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END TIME START TIME TARGET REPORTS: LIVE SIMULATED VALID MODE-C: 0
01:02:51.770 01:02:47.140 RADAR-ONLY 119 0 0.0%
SENSOR = 2 BEACON-ONLY 0 0
RADAR & BEACON 0 0 VALID MODE-3/A: 0
TOTAL 119 0 0.0%

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:51.990	Sensor Sector Mark Msg	1715 000c 0039 8d7a 0000 0200

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:02:51.770	0	8.63	3977	350	2		86.39	170.28	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:51.990	Radar Report Msg	0b01 001c 0039 8d70 1599 2a92 0450 3e24 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.59	3994	351	1		86.81	172.25	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 8d70 15b4 2b10 054c 3e68 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	8.97	4083	359	3		87.83	170.41	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:51.990	Radar Report Msg	0b01 001c 0039 8d84 15f5 2a9a 047c 3fcc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	11.09	4051	356	1			87.81		172.61		1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 8d84 15f4 2b27 058c 3f4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	23.84	4051	356	3			90.19		185.20		3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 8d84 168c 2e4d 0bec 3f4c 0203 0300 0003 0003 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	9.09	67	6	1			88.91		170.20	1			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 8d84 163a 2a8d 048c 010c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:02:51.990	1	8.84	23	2	2		88.27		170.16	2			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:52.220	Radar Report Msg	0b01 001c 0039 8e56 1611 2a8a 046c 005c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.81	25	2	3			87.39		167.17	3			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 8e56 15d9 29cb 02e8 0064 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	6.16	139	12	1			88.45		167.13	1			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 8e56 161d 29c8 0314 022c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:02:52.310	358	DSO92	2	7303	7303	0	+21	+271	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9
-2.48	+8.61	344	8.90	3911 344	8.91	85.56	170.48	271	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
4	+15029	+14900	+14867	+14912	+10	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:52.310	Active Track Maintenance Msg	1700 0058 0001 d204 0001 d5aa 0001 d09c 0039 8c96 fbf7 0050 fec2 044e 0000 0000
		0181 1347 0001 f477 08ea 0ec3 7fff 08f8 0005 1564 2a9f 1356 0166 0000 0000 0100
		091f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0200 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0ec3 0000 0172 0172 0172 003c 010c 0000
		0000 0000 0000 0000 0000 0005 0005 0000 0000 0000 00c9 0000 016c 002d 0166 0154
		0000 000a 0000 01cd 0187 0113 0000 0000 0000 0000 0000 0000 0000 01ef ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
		0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0005 2000 af00 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
		0001 0000 0000 0043 4639 3030 0000 0000 564e 5900 504d 4400 2020 2020 2020 2020
		2020 0000 4453 4f39 3200 0000 0000 0032 3133 0000 0000 0000 0000 0020 0000 0000
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:02:52.210	3	10.31	195	17	1		91.13	170.48	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:52.440	Radar Report Msg	0b01 001c 0039 8ece 16c8 2a9f 0528 030c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.69	259	23	1			92.19	170.22	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 8ece 170c 2a8e 0558 040c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
17.38	251	22	3							96.11		175.69	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:52.450	Radar Report Msg	0b01 001c 0039 8f32 1807 2bec 08b0 03ec 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
26.03	307	27	3							103.03		181.23	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 8f32 19c2 2d4f 0d04 04cc 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:52.530	451	2		7211	+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+32.23	-22.09	124	39.02	1415 124	39.07	111.30	132.27	128	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+829	+700	+0	+829	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:52.530	Active Track Maintenance Msg	1700 0058 0000 19ea 0000 19ea 0000 0000 0000 0000 fbf7 0000 101d f4f4 0000 0000
		0000 0000 0000 587c 2712 0e89 587c 2712 0000 1bd3 2111 091c 01c3 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:02:52.320	4	1.06	397	35	0		86.31	162.30	0			RT		2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:52.540	Radar Report Msg	0b01 001c 0039 8faa 1594 2893 0088 0634 0200 0000 0000 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		7.22	467	41	1		91.58	165.80	1			RT		2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 8faa 16e5 2973 039c 074c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:52.650	424	2	4121		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+40.30	+0.98	88	40.26	1008	89	40.31	124.98	152.53	149 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1129	+1000	+0	+1129	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:52.650	Active Track Maintenance Msg	1700 0058 0000 234a 0000 234a 0000 0000 0000 0000 fbf7 0000 1426 007e 0000 0000
		0000 0000 0000 3f01 284f 0851 3f01 284f 0000 1f3f 2622 0a9c 01a8 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:52.750	Delete Track Msg	1704 0008 01a1 0810

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
01:02:52.530	5	7.22	490	43	1				91.70	165.58	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:52.760	Radar Report Msg	0b01 001c 0039 907c 16ed 2965 039c 07a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
		7.41	499	44	1				91.92	165.61	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 907c 16fb 2967 03b4 07cc 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
		3.69	699	61	4				88.98	162.63	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:52.870	Radar Report Msg	0b01 001c 0039 9090 163f 28a8 01d8 0aec 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS

22.91 650 57 3 107.47 168.97 3 RT 2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9090 1ade 2a3e 0b74 0a28 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:52.970	72	2	2013		+336	+399			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+34.31	+42.59	38	54.67	440	39 54.70	129.58	194.23	523	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
40	+29000	+29000	+29000	+29000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:52.970	Active Track Maintenance Msg	1700 0058 0003 8a40 0003 8a40 0003 8a40 0039 8f6b 0000 0000 1128 154c 0000 0000 17f6 1c71 0000 1b8f 36b4 040b 1ba0 36b4 0000 2065 308f 2531 0048 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
01:02:52.780	7	4.03	732	64	7		89.39	162.53	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:53.000	Radar Report Msg	0b01 001c 0039 9162 1659 28a2 0204 0b70 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
		1.84	742	65	0		86.98	162.05	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9162 15bf 2883 00ec 0b98 0200 0000 0000 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
		3.91	777	68	2		89.30	162.27	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9162 1653 2891 01f4 0c24 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	3.53	740	65	1			88.84	162.39	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9162 1636 2899 01c4 0b90 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:53.090	3	2	7220		+332	+364			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7
+32.37	+19.05	59	37.48	676 59	37.54	121.72	172.03	493	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
42	+23300	+23300	+23309	+23410	+21	+0	11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:53.090	Active Track Maintenance Msg	1700 0058 0002 db91 0002 d820 0002 d86a 0039 9073 0000 00ad 102f 0987 0000 0000 17ae 19ec 0000 2a47 258b 0e90 2a50 2590 082c 1e6e 2b02 231c 0003 0000 0000 0000 071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:53.190	6	2	1274	+0	-9				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+37.60	+17.77	64	41.54	735 65	41.60	126.64	169.52	9	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
173	-770	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:53.190	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e7eb ffff e3e1 0039 90b6 fbf7 0000 12cd 08e3 0000 0000 0012 ff58 0000 2df9 299a 02bc 2e00 2998 0000 1fa9 2a61 00a9 0006 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:02:52.890	8	2.84	956	84	7		88.08	161.48	7		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:53.200	Radar Report Msg	0b01 001c 0039 9234 1605 285f 016c 0ef0 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	50.78	980	86	4			135.59		152.31	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9234 21e6 2614 1964 0f50 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	5.28	974	86	4			90.70		160.94	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9234 16ad 283c 02a4 0f38 0204 0400 0001 0303 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	8.41	1080	95	4			93.53	159.06	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9234 1762 27c4 0434 10e0 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:53.310	311	2	3275	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+25.59	-26.04	135	36.46	1541 135	36.51	103.88	130.16	227	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:53.310	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0ccc f2fb 0000 0000 0000 0000 0000 6059 2482 06bd 6059 2482 0000 19f8 208a 1025 0137 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:53.430	245	2	5266	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
+47.59	-3.45	94	47.68	1071	94	47.71	130.89	146.38	167

INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+3929	+3800	+0	+3929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:53.430	Active Track Maintenance Msg	1700 0058 0000 7aca 0000 7aca 0000 0000 0000 0000 fbf7 0000 17cb fe46 0000 0000
		0000 0000 0000 42f3 2fb6 0ab6 42f3 2fb6 0000 20b9 2498 0bea 00f5 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:53.440	523		2	0646		-255	-76		RADAR-ONLY: NO

FIRMNESS: 30

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
+45.77	+0.77	89	45.75	1011 89	45.74	130.19	151.00	266	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
253	+13829	+13700	+13723	+13683	-9	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:53.440	Active Track Maintenance Msg	1700 0058 0001 ab98 0001 b02a 0001 acd9 0039 91ed fbf7 ffb8 16e3 0062 0000 0000
		edd1 fa98 ffff 3f3f 2dbe 01a6 3f50 2dc8 0000 208c 25c0 12f9 020b 0000 0000 0000
		071f 1e00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:02:53.440	532	EJA631	2	4757		0	-277	-154	RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+12.52	+30.76	22	33.19	252 22	33.21	105.69	188.34	0	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
240	CST	CST	+0	+0	+0	+0	00000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:02:53.440 Active Track Maintenance Msg 1700 0058 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0643 0f61 0000 0000
ec3c f4fb 0000 0fc1 2135 09ef 0fc1 2135 0000 1a6c 2f16 0001 0214 0001 0000 0000
0000 3f00 0201 1000 0000 0000 0000 0000 0100 0000 0000 0100

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09ef 0000 0172 ffff ffff 003c 026d 0000
0000 0000 0000 0001 0001 0001 0001 0000 0000 0000 009a 0000 003e 01bd 0214 01a5
0000 00ec 0000 01c8 005b 0124 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2fff 0100 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0702
0101 0000 0000 0031 4335 3658 0000 0000 504d 4400 564e 5900 2020 2020 2020 2020
2020 0000 454a 4136 3331 0000 0000 0039 3135 0000 0000 0000 0000 0020 0000 0000
0000 2020 2000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:02:53.220	10	28.94	1114	98	7		112.44	150.73	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:53.450	Radar Report Msg	0b01 001c 0039 92ca 1c1c 25af 0e78 1168 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		2.91	1123	99	0		87.97	160.88	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 92ca 15fe 2838 0174 118c 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		16.91	1123	99	3		101.20	155.16	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 92ca 194d 26ca 0874 118c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		46.47	1109	97	4		128.77	144.33	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 92ca 2031 2415 173c 1154 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
	7.53	1175	103	2					92.27	158.39	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 92ca 1711 2799 03c4 125c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
	6.34	1232	108	3					90.91	158.50	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:53.470	Radar Report Msg	0b01 001c 0039 932e 16ba 27a0 032c 1340 0203 0300 0001 0203 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
8.00	1163	102	2				92.75	158.30	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 932e 1730 2793 0400 122c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.63	1173	103	4				92.36	158.36	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 932e 1717 2797 03d0 1254 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
47.78	1246	110	5				125.25	135.02	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 932e 1f50 21c1 17e4 1378 0205 0500 0005 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:53.560	101	2	3507	+0	+0		RADAR-ONLY: NO		

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES

+22.92 -31.83 144 39.18 1641 144 39.22 99.83 125.23 228 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:53.560	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0b76 f016 0000 0000 0000 0000 0000 6691 2739 0747 6691 2739 0000 18f5 1f4f 1037 0065 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:53.560	527	2	4676	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID
+22.17	-28.29	142	35.88	1614 142	35.94	100.00	128.84	119	INHIBIT MSAW PROCESS:

FIRMNESS: 0

ALTITUDE: YES

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2429	+2300	+0	+2429	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 4bea 0000 4bea 0000 0000 0000 0000 fbf7 0000 0b16 f1db 0000 0000 0000 0000 0000 0000 64ea 23f1 09be 64ea 23f1 0000 1900 2036 0883 020f 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:53.560	328	2	6655	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID
+22.11	-23.52	136	32.23	1556 137	32.27	101.16	133.47	212	INHIBIT MSAW PROCESS:

FIRMNESS: 0

ALTITUDE: YES

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2029	+1900	+0	+2029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 3f6a 0000 3f6a 0000 0000 0000 0000 fbf7 0000 0b0e f43e 0000 0000
0000 0000 0000 6141 2046 0dad 6141 2046 0000 194a 215e 0f15 0148 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	X	SYSTEM NM	Y	PROC NM	STR STAT	SC	TYP	SYS
01:02:53.320	11	7.34	1290	113	1				91.41		157.42	1			RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:53.560	Radar Report Msg	0b01 001c 0039 9360 16da 275b 03ac 1428 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	X	SYSTEM NM	Y	PROC NM	STR STAT	SC	TYP	SYS
		5.66	1219	107	1				90.36		158.98	1			RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9360 1697 27bf 02d4 130c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
20.66	1242	109	1				102.86	150.38	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9360 19b7 2598 0a54 1368 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.31	1256	110	2				90.75	158.33	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9360 16b0 2795 0328 13a0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
40.34	1283	113	4				117.77	137.33	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9360 1d71 2255 142c 140c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
0.97	1332	117	3				86.25	161.41	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 9360 1590 285a 007c 14d0 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	46.50	1343	118	5					119.89	130.33	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:53.560	Radar Report Msg	0b01 001c 0039 9388 1df9 2095 1740 14fc 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	20.63	1328	117	5					101.19	148.23	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9388 194c 250f 0a50 14c0 0205 0500 0003 0102 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	15.22	1376	121	4			96.34	151.02	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9388 1816 25c1 079c 1580 0204 0400 0004 0101 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:53.650	339	2	2201		-238	-98			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+52.38	-11.09	102	53.53	1161 102	53.53	133.61	137.86	258	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
247	+9229	+9100	+9113	+9026	-18	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:53.650	Active Track Maintenance Msg	1700 0058 0001 1a15 0001 206a 0001 1ccd 0039 9293 fbf7 ff6a 1a31 fa74 0000 0000
		ef0c f8fa 0000 4893 3588 0481 4880 358c 0000 2167 2277 125a 0153 0000 0000 2f74
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:53.650	597	2	4665		-161	+95			RADAR-ONLY: NO
									FIRMNESS: 35

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	
+39.18	-5.02	97	39.44	1111	98	39.33	122.39	147.06	187

VALID ALTITUDE: YES
INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
300	+3429	+3300	+3309	+3394	+18	+0	10011

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 6a10 0000 6b2a 0000 676d 0039 9257 fbf7 0092 1397 fd7e 0000 0000
		f487 06c3 0000 4571 2755 09b5 4530 2780 0000 1e99 24c4 0d51 0255 0000 0000 0000
		0413 2300 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:53.650	519		2	1631	-160	-87			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+54.93	-7.71	98	55.41	1112 98	55.39	136.92	140.47	182	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
241	+8029	+7900	+7900	+7900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 f6e6 0000 faea 0000 f6e0 0039 9260 fbf7 0001 1b77 fc25 0000 0000 f49e f9c5 0000 458b 3763 0399 45b0 3778 0000 223b 231e 0cfa 0207 0000 0000 2524 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:53.650	298		2	0771	-219	+35			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+32.35	-4.70	98	32.65	1118 98	32.67	115.83	149.13	221	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
279	+10429	+10300	+10257	+10196	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0001 3ea2 0001 45ea 0001 4089 0039 9263 fbf7 ff97 102d fda7 0000 0000
f06c 0287 0000 45ed 20ab 01f9 45e0 20b0 0000 1cf5 2548 0fc8 012a 0000 0000 2199
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:53.770	361	2	4631		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0
+4.05	-15.16	165	15.64	1877 165	15.68	85.83	146.16	146	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+729	+600	+0	+729	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:53.770	Active Track Maintenance Msg	1700 0058 0000 16ca 0000 16ca 0000 0000 0000 0000 fbf7 0000 0206 f86c 0000 0000
		0000 0000 0000 755e 0faf 0999 755e 0faf 0000 1575 248a 0a69 0169 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:02:53.870	394	N121NA	2	1320	1320	1X	-116	+22	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
+20.87	-3.39	99	21.08	1129 99	21.14	105.08	153.28	118	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
281	+5929	+5800	+5800	+5800	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:53.870	Active Track Maintenance Msg	1700 0058 0000 b540 0000 b94a 0000 b540 0039 9270 fbf7 0000 0a6f fe4e 0000 0000
		f7be 019e 0000 469f 1525 02d0 4690 1524 0000 1a45 2652 086a 018a 0000 0000 00a7
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 02d0 0015 003c 003c 003c 0000 023d 0000
		0000 0000 0000 0000 0000 0024 0005 0000 0000 0000 02db 0000 001a 015e 018a 0099
		018b 0027 0000 0113 0248 0168 0000 0000 0000 0000 0000 0000 0000 020e ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000
		0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 a4ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102

0001 0000 0000 0043 5041 3434 0000 0000 5241 4c00 5344 3800 2020 2020 2020 2020
2020 0000 4e31 3231 4e41 0000 0000 0036 3932 0000 0058 0000 0000 0020 0000 0046
3036 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:02:53.870 207 N8451R 2 4647 4647 1X -102 +14 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+8.41 -3.10 110 8.91 1254 110 8.98 93.09 156.73 103 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
278 +6029 +5900 +5908 +5911 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 b8bb 0000 bc6a 0000 b8a0 0039 92fc fbf7 0006 0435 fe73 0000 0000 f8b9 010c 0000 4e60 08fa 09a7 4e60 08f8 a008 1746 272f 075a 00cf 0000 0000 8ea0 0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 09a7 0015 003c 003c 003c 0028 0068 0000 0000 0000 0000 0000 0000 0026 0001 0000 0000 0000 00b0 0000 0037 00e1 00cf 0041 0000 0044 0000 01bb 0036 00bd 0000 0000 0000 0000 0000 0000 0000 020c ffff 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000 0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102 0001 0000 0000 0043 5032 3841 0000 0000 504f 4300 5656 5600 2020 2020 2020 2020 2020 0000 4e38 3435 3152 0000 0000 0036 3633 0000 0058 0000 0000 0020 5656 5600 0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:53.870	590	2	4624		+64	-89			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID
+34.18	-13.24	111	36.58	1263 111	36.75	115.47	140.38	110	ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
144	+2929	+2800	+2800	+2801	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 578a 0000 5b8a 0000 5787 0039 9309 fbf7 0001 1117 f961 0000 0000 049d f9a7 0000 4ef6 24c1 0994 4f10 24a8 0000 1cde 2318 07d8 024e 0000 0000 c554 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:53.870	389	2	1654		-209	-99			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID
+45.78	-14.12	107	47.86	1220 107	47.89	126.45	136.61	231	ALTITUDE: YES

FIRMNESS: 5

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
244	+9029	+8900	+8892	+8901	+2	+0	11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 162f 0001 1a2a 0001 15e7 0039 92d5 fbf7 0010 16e4 f8f1 0000 0000
		f120 f8f4 0000 4c40 2fe3 03ac 4c30 2fe8 0000 1f9d 2227 1075 0185 0000 0000 0000
		051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:02:53.640	13	59.97	1595	140	4		111.22		107.58	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:53.890	Radar Report Msg	0b01 001c 0039 94c8 1bce 1ae5 1dfc 18ec 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	4.13	1530	134	2			87.70		158.58	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 94c8 15ed 27a5 0210 17e8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	4.28	1535	135	4			87.77		158.42	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 94d2 15f1 279b 0224 17fc 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:02:53.990 280 2 6737 +503 +110 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+45.38 -20.95 114 49.97 1306 115 49.97 124.22 130.19 515 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
77 +25600 +25600 +25593 +25741 +33 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:02:53.990 Active Track Maintenance Msg 1700 0058 0003 2468 0003 2000 0003 1fcf 0039 9337 0000 010f 16b1 f586 0000 0000
23d6 07e1 0007 51aa 31f9 0ddf 51a0 31fc a00a 1f0e 208c 24b1 0118 0000 0000 00d1
041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:53.990	55	2		7230		-238	-113		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
+18.63	-9.80	117	21.02	1339 118	21.06	101.28	147.66	264	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
244	+5829	+5700	+5696	+5565	-28	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 adeb 0000 b62a 0000 b205 0039 935d fbf7 ff1e 0950 fb1a 0000 0000
		ef0e f7ec 0000 53b2 150f 0e98 53c0 150c 0320 1952 24ea 12c6 0037 0000 0000 0001
		081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:53.990	431	2		2734		-32	-135		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+33.32	-17.67	117	37.69	1343 118	37.75	113.52	136.31	139	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
193	+2629	+2500	+2497	+2341	-33	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 492a 0000 522a 0000 4e0d 0039 935f fbf7 fef3 10a9 f72a 0000 0000
fdad f65e 0001 53ff 25c0 05dc 53e0 25b8 0b02 1c61 2214 09e9 01af 0000 0000 068f
051f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:54.000	333	2			+79	-25			RADAR-ONLY: NO

FIRMNESS: 17

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: NO
+10.86	-0.73	93	10.83	1067	94	10.88	96.09	158.39	83 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
107	CST	CST	+1800	+1800	+0	+0	00110

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:54.000	Active Track Maintenance Msg	1700 0058 0000 3840 0000 0000 0000 3840 0039 8013 fbf7 0000 056e ffa2 0000 0000 05af fe2b 0000 42be 0ae2 0280 42a0 0ac8 0000 1806 2799 05f9 014d 0000 0000 0000 0306 1100 0203 1001 0300 0000 0000 0001 0100 0000 0000 0101

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:02:53.770	14	4.00	1718	151	2		86.67	158.30	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:54.000	Radar Report Msg	0b01 001c 0039 954a 15ab 2793 0200 1ad8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		4.09	1786	157	4		86.31	158.11	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 954a 1594 2787 020c 1be8 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		5.03	1763	155	1		86.63	157.16	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 954a 15a8 274a 0284 1b8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.06	1819	160	3			86.13	158.13	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 954a 1588 2788 0208 1c6c 0203 0300 0001 0203 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:54.090	460	2	4622		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+13.98	-21.90	147	25.94	1677 147	25.98	93.72	137.11	152	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+4029	+3900	+0	+4029	+0	+0	11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:54.090	Active Track Maintenance Msg	1700 0058 0000 7dea 0000 7dea 0000 0000 0000 0000 fbf7 0000 06fe f50d 0000 0000 0000 0000 0000 68d8 19fb 0992 68d8 19fb 0000 176e 2247 0ad4 01cc 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
01:02:53.860	15	4.38	1882	165	1		85.77	157.77	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:54.100	Radar Report Msg	0b01 001c 0039 95ae 1571 2771 0230 1d68 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
	21.00	1845	162	5			86.92	140.94	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 95ae 15bb 233c 0a80 1cd4 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
	4.13	1811	159	2			86.17	158.06	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 95ae 158b 2784 0210 1c4c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	3.94	1861	164	3				85.88		158.25	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 95ae 1578 2790 01f8 1d14 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.19	1891	166	3				85.69		156.91	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 95ae 156c 273a 0298 1d8c 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:54.210	561	2	4745	-151	+121				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+19.16	-19.40	135	27.22	1539 135	27.23	99.38	138.25	193	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
308	+6829	+6700	+6709	+6584	-28	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:54.210	Active Track Maintenance Msg	1700 0058 0000 cdc0 0000 d56a 0000 d1ad 0039 943e fbf7 ff20 0995 f64d 0000 0000
		f53f 089e fffe 6035 1b3c 09e5 6040 1b44 0000 18d8 2290 0dc7 0231 0000 0000 0000
		051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:54.210	329	2	4657	-133	+176				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+26.51	-27.84	136	38.41	1552 136	38.44	104.34	128.22	220	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
323	+7029	+6900	+6900	+6900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 d7a0 0000 dbaa 0000 d7a0 0039 944c fbf7 0000 0d41 f215 0000 0000
f689 0c89 0000 6105 2670 09af 6100 2670 0000 1a16 200e 0fb5 0149 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:54.210	530	2	4643				-277	+187	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+26.45	-46.54	150	53.49	1711 150	53.54	99.55	110.23	334	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
304	+20000	+20000	+20000	+20000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0002 7100 0002 7100 0002 7100 0039 94fe 0000 0000 0d3a e8bb 0000 0000
ec44 0d54 0000 6af5 358a 09a3 6af0 3588 0000 18e3 1b8f 17d0 0212 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:02:54.210 312 2 3220 -18 -176 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+8.23 -13.58 148 15.84 1690 149 15.97 90.28 146.63 177 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
186 +2729 +2600 +2616 +2481 -34 -2 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 4d89 0000 554a 0000 51c5 0039 94ea fbf7 feea 041d f936 0000 0000
fea8 f370 ffee 69a7 0ff8 0690 69d0 0fe0 a00a 1692 24a8 0ca3 0138 0000 0000 0080
041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:02:54.210 98 2 3253 +197 +70 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+6.48 -9.20 145 11.21 1645 145 11.28 89.70 151.33 209 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
70	+6529	+6400	+6393	+6337	-9	+1	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 c609 0000 cc0a 0000 c7ca 0039 94b8 fbf7 ffb1 033e fb66 0000 0000 0e0f 04ff 0008 66db 0b48 06ab 6700 0b44 7f00 166d 25d5 0eeb 0062 0000 0000 001c 041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:54.210	278	2	4613		+247	+64			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
+13.44	-22.41	149	26.10	1695 149	26.12	93.08	136.77	256	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
75	+5929	+5800	+5794	+5787	-1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 b4d9 0000 b94a 0000 b510 0039 94ee fbf7 fff5 06b8 f4cb 0000 0000
		11a0 0499 0000 69fc 1a1f 098b 6a00 1a24 0000 1745 2231 1237 0116 0000 0000 0000
		071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:54.210	7	2	1275		+14	+2			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+41.65	-14.47	109	44.05	1240 109	44.08	122.36	137.31	14	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
82	+0	+0	+0	+0	+0		00000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 0000 0000 0000 0000 0000 0039 92ef 0000 0000 14d3 f8c4 0000 0000
0101 0025 0000 4d8d 2c14 02bd 4da0 2c18 0000 1e97 2254 0104 0007 0000 0000 0000
0000 2600 0203 1000 0300 0100 0000 0001 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	21.72	1912	168	5			84.73		140.20	5		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:54.210	Radar Report Msg	0b01 001c 0039 961c 152f 230d 0adc 1de0 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	9.50	1890	166	7			85.64		152.47	7		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 961c 1569 261e 04c0 1d88 0207 0700 0003 0302 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:54.430	219	2	1060	-394	-156				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+7.05	-15.16	155	16.66	1762 155	16.73	88.58	146.36	424	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
248	+35000	+35000	+35000	+35000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:54.430	Active Track Maintenance Msg	1700 0058 0004 45c0 0004 45c0 0004 45c0 0039 953a 0000 0000 0387 f86c 0000 0000 e3f8 f4d7 0000 6e2e 10ba 0230 6e40 10b8 0000 1625 2497 1e2c 00db 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:54.530	176	2	4772	+217	+80				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+1.21	-11.23	174	11.25	1974 174	11.30	84.11	150.70	231	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
69	+5929	+5800	+5785	+5803	+4	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:02:54.530 Active Track Maintenance Msg 1700 0058 0000 b55e 0000 b94a 0000 b4cc 0039 962b fbf7 0020 009b fa63 0000 0000
0f74 05be 0000 7b65 0b4d 09fa 7ba0 0b4c 0001 1507 25ad 107c 00b0 0000 0000 892e
051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:54.530	449	2	7242		-317	+141			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9
+4.62	-36.09	172	36.35	1964 173	36.38	81.14	126.13	347	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
294	+31700	+31700	+31738	+31865	+27	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0003 e3cb 0003 dea0 0003 dfd7 0039 961c 0000 00d9 024f edf5 0000 0000
		e96a 0a0f 0000 7acd 2460 0ea2 7ad0 2464 0307 1449 1f88 18ba 01c1 0000 0000 0000
		091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:54.530	160	2	4645		+74	+289			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+0.80	-18.74	177	18.70	2018	177 18.79	81.81	143.58	299	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
14	+10729	+10600	+10587	+10752	+36	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 5002 0001 4f4a 0001 4adf 0039 965a fbf7 0121 0067 f6a1 0000 0000
		054f 149e 0002 7e2f 12c9 09a5 7e40 12c4 0000 1474 23e5 154a 00a0 0000 0000 0000
		061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:02:54.220	17	19.05	2022	178	7	4614-0	000-20	000	81.69	143.30	7	W		RB	0

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:54.530	Beacon Report Msg	0b02 002c 0039 9702 0000 0000 0000 098c 146c 23d3 0986 1f98 0207 0700 0314 0000
		7f00 0000 0001 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	4.16	2005	176	2			85.05		158.08	2		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:54.540	Radar Report Msg	0b01 001c 0039 9702 1543 2785 0214 1f54 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.09	2067	182	1			84.41		157.20	1		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9702 151a 274d 028c 204c 0201 0100 0001 0000 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
19.97	2154	189	4				77.67	143.66	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9702 136b 23ea 09fc 21a8 0204 0400 0004 0101 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.03	2134	188	2				83.97	157.42	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:54.560	Radar Report Msg	0b01 001c 0039 9770 14fe 275b 0284 2158 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
31.31	2170	191	6				72.36	133.59	6			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9770 1217 2166 0fa8 21e8 0206 0600 0004 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.41	2246	197	2				83.03	157.47	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 9770 14c2 275e 02b4 2318 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
4.44	2218	195	1				83.72			158.25		1		RT		2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9770 14ee 2790 0238 22a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
8.16	2283	201	3				81.14			155.31		3		RT		2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9770 1449 26d4 0414 23ac 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
13.50	2228	196	4			78.97	150.28	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9770 13be 2592 06c0 22d0 0204 0400 0004 0101 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:54.650	580	2	4614		-67	+48			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: NO
+0.76	-19.03	177	19.01	2023	178	19.09	81.69	143.25	82	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
306	-129	+3903	+3939	+7	+0	11110	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:54.650	Active Track Maintenance Msg	1700 0058 0000 7b19 0000 0000 0000 79f9 0039 965c fbf7 003e 0061 f67c 0000 0000 fb3b 0374 0000 7e74 1316 098c 7e60 130c 0039 146c 23d0 05e3 0244 0000 0000 2977 031e 2600 0203 1000 0300 0100 0000 0001 0001 0000 0000 0101

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:54.650	310	2	1051		+416	+95			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
-0.73	-33.66	181	33.63	2062 181	33.67	76.59	129.61	427	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
77	+19800	+19800	+19777	+19959	+40	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 6fba 0002 6ac0 0002 6a0a 0039 9689 0000 0143 ffa3 ef2c 0000 0000
		1d9a 06d0 0003 80ef 21ab 0229 7fff 21ac 1486 1326 2067 1e60 0136 0000 0000 0000
		061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:54.870	49	2	6311		+382	-94			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
-16.29	-42.81	200	45.79	2283 201	45.80	59.20	124.59	394	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
103	+12429	+12300	+12284	+12178	-22	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:54.870	Active Track Maintenance Msg	1700 0058 0001 7c96 0001 846a 0001 7fe0 0039 9784 fbf7 ff4d f7db ea98 0000 0000 1b3c f94b 0001 8eb6 2dcd 0cc9 7fff 2dd0 0039 0ecd 1f26 1c0c 0031 0000 0000 17a0 071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:02:54.560	19	4.59	2295	202	5		83.22	158.38	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:54.870	Radar Report Msg	0b01 001c 0039 9856 14ce 2798 024c 23dc 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:02:54.770	21	5.56	2506	220	1		81.41	158.78	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 98ce 145a 27b2 02c8 2728 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	NM	Y	NM	STAT	SYSTEM COR	SYSTEM	PROC	STR	SC	TYP	SYS
	5.56	2531	222	1			81.30		158.95		1			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:54.990	Radar Report Msg	0b01 001c 0039 98ce 1453 27bd 02c8 278c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	NM	Y	NM	STAT	SYSTEM COR	SYSTEM	PROC	STR	SC	TYP	SYS
	5.97	2581	227	4			80.72		159.09		4			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 98ce 142e 27c6 02fc 2854 0204 0400 0001 0303 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	30.06	2534	223	5			60.48	145.66	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:55.010	Radar Report Msg	0b01 001c 0039 9928 0f1f 246a 0f08 2798 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.13	2652	233	4			76.52	158.05	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:55.030	Radar Report Msg	0b01 001c 0039 9932 1321 2783 0510 2970 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	6.63	2634	232	2			79.89	159.23	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9932 13f9 27cf 0350 2928 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	8.69	2659	234	3			77.83	158.69	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 9932 1375 27ac 0458 298c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT			
	6.78	2636	232	4			79.73	159.19	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9932 13ef 27cc 0364 2930 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT			
	7.22	2666	234	1			79.20	159.31	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9932 13cd 27d4 039c 29a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	38.28	2691	237	4			49.58	149.50	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:55.090	Radar Report Msg	0b01 001c 0039 9996 0c65 2560 1324 2a0c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	15.75	2747	241	2			70.56	158.08	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9996 11a4 2785 07e0 2aec 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:55.190	511	2	5202	+0	+0		RADAR-ONLY: NO		

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+20.56	-1.83	95	20.64	1081 95	20.64	105.19	154.83	113	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
0	+1529	+1400	+0	+1529	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:55.190	Active Track Maintenance Msg	1700 0058 0000 2fca 0000 2fca 0000 0000 0000 0000 fbf7 0000 0a48 ff16 0000 0000

0000 0000 0000 439c 14a4 0a82 439c 14a4 0000 1a4c 26b5 0811 01ff 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:55.190	275	2	0257		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+36.78	+0.30	89	36.75	1018 90	36.78	121.41	152.77	85	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
0	+1629	+1500	+0	+1629	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 32ea 0000 32ea 0000 0000 0000 0000 fbf7 0000 1264 0027 0000 0000
		0000 0000 0000 3fa9 24c8 00af 3fa9 24c8 0000 1e5a 2631 0611 0113 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:02:54.990	22	8.72	2746	241	3		77.45	159.77	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:55.190	Radar Report Msg	0b01 001c 0039 9a0e 135d 27f1 045c 2ae8 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		24.72	2755	242	1		61.77	156.20	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9a0e 0f71 270d 0c5c 2b0c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		29.63	2810	247	1		56.52	157.53	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9a0e 0e21 2762 0ed0 2be8 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:55.310	379	2	6312	+318	-9		RADAR-ONLY: NO		

FIRMNESS: 38

DISPLAY X	DISPLAY NM	DISPLAY Y	DISPLAY NM	PRED_AZIM AZI DEG	PREDICTED RANGE NM	SYSTEM ACP	SYSTEM DEG	SYSTEM RANGE NM	SPEED X	SPEED NM	SPEED Y	SPEED NM	ALTITUDE KNOTS

ALTITUDE FIRMNESS: 10

VALID ALTITUDE: YES

-10.91 -12.46 221 16.52 2513 221 16.53 72.13 152.59 318 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
91	+10029	+9900	+9890	+9887	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:55.310	Active Track Maintenance Msg	1700 0058 0001 34fe 0001 396a 0001 3513 0039 9889 fbf7 fffd fa8b f9c5 0000 0000 16a1 ff5b 0000 9d1b 1088 0cca 7fff 1090 0000 1208 2626 16a3 017b 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:55.310	304	2	7342		-312	+155			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-23.39	-22.89	225	32.70	2567 226	32.73	57.78	145.86	348	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
296	+35000	+35000	+34966	+34957	-1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 4469 0004 45c0 0004 44b1 0039 98c1 0000 fff1 f44e f48e 0000 0000
		e9cd 0b10 0000 a075 20bc 0ee2 7fff 20bc 0000 0e72 2477 18cd 0130 0000 0000 0141
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:55.310	8	2	1273		+0	+0			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-37.78	-33.20	228	50.26	2601 229	50.29	40.83	139.30	0	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
9	-899	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 ffff e3e1 ffff e3e1 ffff e3e1 0039 98e9 0000 0000 ed1c ef67 0000 0000
0002 000c 0000 a29f 324a 02bb 7fff 324c a014 0a35 22d3 000c 0008 0000 0000 aec8
0a1f 2603 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:02:55.080	23	12.00	2835	249	3		73.95		160.56	3			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:55.320	Radar Report Msg	0b01 001c 0039 9a22 127d 2824 0600 2c4c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		2.00	2797	246	5		84.61		161.64	5			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9a22 1527 2869 0100 2bb4 0205 0500 0003 0102 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	24.47	2907	255	3			61.36	161.91	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:55.320	Radar Report Msg	0b01 001c 0039 9a72 0f57 287a 0c3c 2d6c 0203 0300 0004 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:02:55.630	591	N31F	2	0260	0260	1Y	+51	+77	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-8.42	-4.08	244	9.30	2778 244	9.34	76.59	160.03	92	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: YES

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC WINDOW
33	+2029	+1900	+1863	+1851	-2	+0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:55.630	Active Track Maintenance Msg	1700 0058 0000 39da 0000 3f6a 0000 3a3f 0039 99af fbf7 ffeb fbca fdf6 0000 0000
		03a8 057a 0000 ada8 0956 00b0 7fff 095c 401c 1326 2802 0696 024f 0000 0000 0058
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 00b0 008a 0104 ffff ffff 003d 000e 0000
		0000 0000 0000 0000 0000 008a 008a 0000 0000 0000 0000 0000 00c9 0215 024f 015c
		0000 00b1 0000 013a 00d7 00d5 0000 0000 0000 0000 0000 0000 0000 0448 ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0004 2020 2fff 0000 0000 0000 0000 0000 0000 0000 0000 0001 0702
0001 0000 0000 0043 0000 0000 0000 0000 0000 0000 564e 5900 2020 2020 2020 2020
2020 0000 4e33 3146 0000 0000 0000 0000 0000 0000 0059 0000 0000 0020 564e 5900
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:02:55.630 586 2 4673 +308 +21 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-22.89 -12.32 241 25.98 2749 242 26.00 60.56 155.73 309 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
86 +11029 +10900 +10900 +10900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 54a0 0001 58aa 0001 54a0 0039 998f fbf7 0000 f48e f9d7 0000 0000
15ee 0182 0000 abdf 19ff 09bb 7fff 1a00 0000 0f24 26ef 15fb 024a 0000 0000 0058
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:02:55.630 173 2 6307 +498 -218 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-20.63 -8.32 248 22.23 2821 248 22.25 64.34 159.09 544 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
113 +33000 +33000 +33000 +33000 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0004 0740 0004 0740 0004 0740 0039 99e0 0000 0000 f5af fbd7 0000 0000
2378 f074 0000 b05e 1641 0cc7 7fff 1640 0000 1016 27c6 26ba 00ad 0000 0000 0058
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:02:55.630 319 OPT708 2 4725 4725 1W +131 +27 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 8
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-2.55 -0.96 249 2.67 2835 249 2.71 83.06 161.55 134 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
78	+1529	+1400	+1429	+1361	-14	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 2a8f 0000 2fca 0000 2cad 0039 99ef fbf7 ff89 feb9 ff85 0000 0000 095b 01f0 0000 b136 02b7 09d5 7fff 02bc 0000 14c4 2863 098d 013f 0000 0000 8008 081f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Flight Plan Maintenance Msg 1800 01d4 0000 0004 0000 0000 0000 0202 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0003
0000 0200 0000 0600 0000 0000 0000 0000 8000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09d5 0003 0122 ffff ffff 002a 0168 0000
0000 0000 0000 0253 0000 0001 0001 0000 0000 0000 005b 0000 00d8 0058 013f 00c5
0000 00be 0000 010d 008c 01a6 0000 0000 0000 0000 0000 0000 0000 022e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 03ff 0100 0000 0000 0000 0000 0100 0000 0000 0001 0001 0502
0001 0000 0000 0031 4245 3430 0000 0000 504d 4400 4255 5200 2020 2020 2020 2020
2020 0000 4f50 5437 3038 0000 0000 0032 3931 0000 0057 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: OVR
01:02:55.630 274 N8063T 2 4763 4763 1W +114 +46 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-19.47 -4.00 258 19.84 2939 258 19.87 65.95 162.91 124 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
67 +6129 +6000 +6034 +6084 +10 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

01:02:55.630 Active Track Maintenance Msg 1700 0058 0000 be20 0000 bf8a 0000 bc94 0039 9a65 fbf7 0056 f644 fe00 0000 0000

082d 0352 0000 b7bb 13df 09f3 7fff 13e0 0000 107d 28ba 08d4 0112 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0800 0000 0000 0000 0000 0000 0040 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09f3 0003 0032 ffff 0032 002c 022a 0000
0000 0000 0000 0174 0000 0003 0005 0000 0000 0000 00ae 0000 0070 0245 0112 00cb
0000 002d 0000 0194 0133 0144 0000 0000 0000 0000 0000 0000 0000 042f ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 00ff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0502
0001 0000 0000 0036 5041 3332 0000 0000 4f58 5200 4844 4600 2020 2020 2020 2020
2020 0000 4e38 3036 3354 0000 0000 0030 3030 0000 0057 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:02:55.630 545 N4171H 2 4706 4706 0 -157 -14 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-20.41 -5.24 255 21.02 2906 255 21.08 64.70 161.94 157 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
264 +4029 +3900 +3900 +3900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 79e0 0000 7dea 0000 79e0 0039 9a41 fbf7 0000 f5cb fd61 0000 0000
f4d4 fef6 0000 b5ae 1515 09c6 7fff 1514 0101 102d 287c 0b39 0221 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09c6 0000 0028 0028 0028 001e 003d 0000
0000 0000 0000 0000 0000 0001 0003 0000 0000 0000 0068 0000 00fa 020a 0221 0235
0000 0102 0000 00a7 0144 0075 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 21ff 0600 0000 0000 0000 0000 0100 0000 0000 0001 0000 0502
0001 0000 0000 0036 4d32 3050 0000 0000 5748 5000 4f58 5200 2020 2020 2020 2020
2020 0000 4e34 3137 3148 0000 0000 0034 3534 3234 3400 0000 0000 0020 4f58 5200
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:02:55.630 297 2 1056 -12 +121 RADAR-ONLY: NO
FIRMNESS: 36
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-40.85 -3.96 264 41.00 3010 265 41.06 45.27 168.36 122 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
354 +5029 +4900 +4940 +4997 +12 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 9c2c 0000 9d2a 0000 9a62 0039 9ab3 fbf7 0063 eb93 fe05 0000 0000
ff15 08ab 0000 bc24 290f 022e 7fff 290c 0102 0b51 2a17 08b7 0129 0000 0000 0202
0a1f 2400 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:02:55.370	25	36.28	3032	266	7		50.22		168.84	7					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:55.630	Radar Report Msg	0b01 001c 0039 9b80 0c8e 2a36 1224 2f60 0207 0700 0005 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	13.50	3139	276	3			73.22		166.53	3					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9b80 124e 29a2 06c0 310c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	13.69	3121	274	4			72.92		166.25	4					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:55.650	Radar Report Msg	0b01 001c 0039 9b8a 123b 2990 06d8 30c4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	12.84	3143	276	4			73.88		166.38	4					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 9b8a 1278 2998 066c 311c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
11.44	3216	283	2				75.70		167.03		2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:55.660	Radar Report Msg	0b01 001c 0039 9bbc 12ed 29c2 05b8 3240 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
13.34	3132	275	2				73.31		166.34		2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9bbc 1254 2996 06ac 30f0 0202 0200 0001 0103 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.13	3244	285	4			77.09	166.80	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9bbc 1346 29b3 0510 32b0 0204 0400 0001 0303 1d00 0000
01:02:55.750	Delete Track Msg	1704 0008 014e 0910

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:02:55.530	26	14.09	3290	289	1		74.14	169.63	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:55.750	Radar Report Msg	0b01 001c 0039 9c2a 1289 2a68 070c 3368 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	13.91	3285	289	4			74.23	169.44	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9c2a 128f 2a5c 06f4 3354 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.16	3344	294	4			81.94	164.89	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9c2a 147c 2939 0294 3440 0204 0400 0004 0101 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:02:55.850	475	N6887L	2	4714	4714	1W	+185	-6	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8
-22.28	-1.71	265	22.31	3020 266	22.34	63.81	165.83	185	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
92	+5029	+4900	+4904	+4908	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:55.850	Active Track Maintenance Msg	1700 0058 0000 9963 0000 9d2a 0000 9944 0039 9ac1 fbf7 0007 f4dc ff25 0000 0000
		0d31 ff8d 0000 bccd 1657 09cc 7fff 1658 0000 0ff4 2975 0d33 01db 0000 0000 0000
		081f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0000 0000 0004 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 2000 0000
0000 0000 0000 0000 0000 0080 0010 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09cc 0003 0000 ffff 0032 0038 0253 0000
0000 0000 0000 0081 0000 0003 0000 0000 0000 0000 00f2 0000 0014 0138 01db 00c3
0000 0000 0000 0062 0054 01c9 0000 0000 0000 0000 0000 0000 0000 025c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 1dff 0600 0000 0000 0000 0000 0100 0000 0000 0001 0001 0502
0001 0000 0000 0036 4334 3231 0000 0000 4f58 5200 4343 4200 2020 2020 2020 2020
2020 0000 4e36 3838 374c 0000 0000 0037 3937 0000 0057 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:02:55.850 9 2 1275 -2 -7 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-12.52 -11.01 228 16.65 2602 229 16.69 70.88 154.38 7 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
197 -470 -599 -599 -599 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 ffff ed41 ffff f14b ffff ed41 0039 98e9 fbf7 0000 f9bd fa7f 0000 0000

ffd5 ff77 0000 a2a3 10b0 02bd 7fff 10ac 0000 11b8 2698 008f 0009 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:02:55.970	87	CPF420	2	4664	4664	1X	+74	-68	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-6.20	+0.81	277	6.24	3158 278	6.25	80.02	164.19	101	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
132	+4229	+4100	+4131	+4188	+12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:55.970	Active Track Maintenance Msg	1700 0058 0000 82e3 0000 842a 0000 811c 0039 9b5a fbf7 0063 fce7 0068 0000 0000
		054e fb28 0000 c562 0640 09b4 7fff 0640 0003 1401 290c 072f 0057 0000 0000 9ca2
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
		0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09b4 0015 0032 0032 0032 003c 017c 0000
		0000 0000 0000 0000 0000 0001 0026 0000 0000 0000 00ed 0000 01b0 009b 0057 0201
		0000 023a 0000 0010 0184 0185 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
		0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 2eff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
		0001 0000 0000 0043 4332 3036 0000 0000 5748 5000 544f 4100 2020 2020 2020 2020
		2020 0000 4350 4634 3230 0000 0000 0035 3634 0000 0058 0000 0000 0020 0000 0000
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0100 0000 0000 0005 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
01:02:55.660	27	7.91	3356	295	7		79.81	166.77	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:55.980	Radar Report Msg	0b01 001c 0039 9ca2 13f4 29b1 03f4 3470 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
		6.69	3319	292	5		80.55	165.67	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg	0b01 001c 0039 9ca2 1423 296b 0358 33dc 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	7.19	3430	301	4			80.92		166.88	4		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9ca2 143b 29b8 0398 3598 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:02:56.070 84 N774CS 2 3376 3376 1W +148 -149 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-24.63 +8.09 288 25.91 3278 288 25.93 64.05 175.88 210 INHIBIT MSAW PROCESS: YES
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
135 +10429 +10300 +10319 +10279 -8 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

01:02:56.070 Active Track Maintenance Msg 1700 0058 0001 413a 0001 45ea 0001 427e 0039 9be2 fbf7 ffba f3b0 040b 0000 0000
0a89 f560 0000 ccee 19ef 06fe 7fff 19ec 2a4d 1003 2bf8 0ef7 0054 0000 0000 911c
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 06fe 0003 012c ffff f830 0037 01ab 0000
0000 0000 0000 00db 0000 0007 002e 0000 0000 0000 00a9 0000 0215 0249 0054 0250
0000 0000 0000 005e 0091 014a 0000 0000 0000 0000 0000 0000 0000 03cb ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2056 2eff 0000 0000 0000 0000 0000 0101 0003 0000 0001 0001 0502
0001 0000 0000 0043 4332 3130 0000 0000 5341 3900 544f 4100 2020 2020 2020 2020
2020 0000 4e37 3734 4353 0000 0000 0036 3032 0000 0057 0000 0000 0020 0000 004f
4646 5620 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:56.070	362	2	0006		+350	-313			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-32.79	+7.58	283	33.61	3219 283	33.60	56.08	177.42	469	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
131	+17529	+17400	+17396	+17339	-12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 1ddb 0002 23ca 0002 1fa7 0039 9ba0 fbf7 ff9d ef9b 03ca 0000 0000 18ee e9be 0000 c93b 219a 0006 7fff 21a8 a00e 0e05 2c5b 216c 016a 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:02:56.070 194 DDA77 2 4043 4043 0 +419 -339 RADAR-ONLY: NO
FIRMNESS: 33
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-50.44 +23.85 295 55.77 3360 295 55.77 43.14 197.61 539 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
129 +23400 +23400 +23416 +23046 -85 -2 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0002 d035 0002 db40 0002 dbc2 0039 9c3e 0000 fd55 e6c8 0bed 0000 0000
1dd1 e7e1 ffef d207 37c6 0823 7fff 37cc 0000 0ac9 3167 2659 00c2 0000 0000 0000
041f 2100 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0823 0000 0136 ffff 0172 0044 0204 0000
0000 0000 0000 0000 0000 0007 0007 0000 0000 0000 00ab 0000 0000 0000 00c2 0000
0000 0000 0000 00c8 0155 0189 0000 0000 0000 0000 0000 0000 0000 023d ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0100 0000 0100 0000 0000 0000 0100 0000 0100 0000 0100 0000
0100 0000 0001 0000 0001 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0005 2000 2fff 0000 0000 0000 0000 0000 0100 0000 0000 0001 0000 0102
0001 0000 0000 0043 4c4a 3335 0000 0000 4649 4d00 564e 5900 2020 2020 2020 2020
2020 0000 4444 4137 3700 0000 0000 0033 3535 0000 0000 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
01:02:55.870	28	9.25	3473	305	4				79.91	168.80	4				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:56.080	Radar Report Msg	0b01 001c 0039 9d74 13fa 2a33 04a0 3644 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
		7.06	3428	301	4				80.98	166.77	4				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9d74 143f 29b1 0388 3590 0204 0400 0001 0303 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.06	3449	303	4			81.16	166.92	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9d74 144a 29bb 0388 35e4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	8.91	3523	310	4			80.66	168.94	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9d74 142a 2a3c 0474 370c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.41	3667	322	1			83.75	166.58	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:56.100	Radar Report Msg	0b01 001c 0039 9d88 14f0 29a5 02b4 394c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:02:55.960	29	5.03	3684	324	4		84.02	166.27	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:02:56.190 Radar Report Msg 0b01 001c 0039 9de2 1501 2991 0284 3990 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	4.94	3684	324	4			84.05		166.17		4				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9de2 1503 298b 0278 3990 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:56.290	59	2	4603		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+56.69	+14.39	75	58.48	861 76	58.48	144.13	161.31	346	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+22700	+22700	+0	+22700	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:56.290	Active Track Maintenance Msg	1700 0058 0002 c560 0002 c560 0000 0000 0000 0000 0000 0000 1c58 0732 0000 0000 0000 0000 0000 35de 3a7c 0983 35de 3a7c 0000 2408 2854 18a9 003b 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:56.290	51	2	1331		-198	+280			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-21.57	+13.48	302	25.41	3436 302	25.43	68.66	179.98	343	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
324	+31000	+31000	+31000	+31000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:02:56.290 Active Track Maintenance Msg 1700 0058 0003 c8c0 0003 c8c0 0003 c8c0 0039 9c93 0000 0000 f537 06bd 0000 0000
f1eb 13f8 0000 d6c6 196e 02d9 7fff 1970 0039 112a 2cff 1870 0033 0000 0000 1870
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:56.290	56	2	4752		-132	+186			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-25.64	+19.19	306	32.01	3490 307	32.02	65.88	186.86	228	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
324	+12029	+11900	+11900	+11900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 73e0 0001 77ea 0001 73e0 0039 9cd1 fbf7 0000 f32e 0998 0000 0000
f68b 0d3c 0000 da2a 2005 09ea 7fff 2008 405c 1078 2eb7 1044 0038 0000 0000 003c
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:02:56.290 392 2 7304 -244 +250 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 9
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-22.12 +17.97 309 28.43 3517 309 28.48 69.06 184.67 350 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
315 +21100 +21100 +21112 +21257 +31 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0002 9849 0002 9360 0002 93c4 0039 9cee 0000 00fa f4f1 08fc 0000 0000
ee9d 11d5 0000 dbd5 1c7b 0ec4 7fff 1c80 a00d 1144 2e2b 18e8 0188 0000 0000 056c
091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:02:56.290 400 2 4675 -188 -46 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-38.46 +33.79 311 51.15 3542 311 51.21 57.17 204.23 193 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
256	+14029	+13900	+13900	+13900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 b260 0001 b66a 0001 b260 0039 9d0a fbf7 0000 ecc5 10e5 0000 0000 f29c fcb3 0000 dd6a 3337 09bd 7fff 3334 0000 0e4b 330f 0dca 0190 0000 0000 cdf6 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR SYSTEM	SYSTEM PROC	STR	SC	TYP	SYS
01:02:56.080	30	4.75	3706	326	1		84.27		166.03	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:56.310	Radar Report Msg	0b01 001c 0039 9e50 1511 2982 0260 39e8 0201 0100 0001 0000 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
23.47	3736	328	5				78.94	184.22	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9e50 13bc 2e0e 0bbc 3a60 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
9.13	3718	327	5				82.91	170.34	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9e50 14ba 2a96 0490 3a18 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.72	3811	335	1				84.41	169.25	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9e50 151a 2a50 03dc 3b8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
4.59	3754	330	3				84.63	165.97	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg	0b01 001c 0039 9e50 1528 297e 024c 3aa8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.03	3834	337	1			85.08		166.55		1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9e50 1545 29a3 0284 3be8 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:02:56.630 322 N900RL 2 3601 3601 1F -64 -268 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 9
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-10.19 +15.70 327 18.70 3719 327 18.76 79.92 179.58 275 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
193 +7929 +7800 +7778 +7769 -1 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:02:56.630 Active Track Maintenance Msg 1700 0058 0000 f2ca 0000 f7ca 0000 f314 0039 9dd4 fbf7 fff1 fae8 07d9 0000 0000
fb6d ecf0 0000 e876 12c2 0781 7fff 12b8 0000 13fb 2ce5 139a 0142 0000 0000 0000
091f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0781 0001 0122 ffff 01c2 0037 01b6 0000
0000 0000 0000 0084 0000 0001 008a 0000 0000 0000 008f 0000 012b 00a5 0142 009b
0000 01c6 0000 01cb 000c 020d 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0100 0000 0000 0000 0000 0100 0003 0000 0001 0001 0702
0001 0000 0000 0031 474c 4634 0000 0000 504d 4400 5656 5600 2020 2020 2020 2020
2020 0000 4e39 3030 524c 0000 0000 0035 3736 0000 0046 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: DEP
01:02:56.630 74 N40905 2 6701 6701 0 -60 +70 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-8.22 +14.61 330 16.70 3762 331 16.77 81.55 177.98 93 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
319 +10029 +9900 +9906 +9908 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 35a1 0001 396a 0001 3592 0039 9e02 fbf7 0003 fbe4 074e 0000 0000
fbac 0503 0000 eb24 10c4 0dc1 7fff 10c4 0003 1463 2c7f 069f 004a 0000 0000 92c0
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0dc1 0000 0064 0064 0064 058a 0094 0000
		0000 0000 0000 0000 0000 0058 0005 0000 0000 0000 029c 0000 01cc 012f 004a 01c6
		0000 0213 0000 0001 0134 005a 0000 0000 0000 0000 0000 0000 0000 00dc ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
		0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 9900 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
		0001 0000 0000 0043 5032 3852 0000 0000 4d59 4600 4c48 5300 2020 2020 2020 2020
		2020 0000 4e34 3039 3035 0000 0000 0035 3837 0000 0000 0000 0000 0020 0000 0056
		3539 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

END TIME	START TIME	TARGET REPORTS: LIVE	SIMULATED	VALID MODE-C:	0
01:02:56.420	01:02:51.770	RADAR-ONLY	112	0	0.0%
SENSOR = 2		BEACON-ONLY	0	0	
		RADAR & BEACON	0	0	VALID MODE-3/A: 0
		TOTAL	112	0	0.0%

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:56.640	Sensor Sector Mark Msg	1715 000c 0039 9fa4 0000 0200

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
01:02:56.430	1	8.63	3976	349	2				86.38		170.28	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:02:56.640 Radar Report Msg 0b01 001c 0039 9f36 1598 2a92 0450 3e20 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
11.06	4049	356	5				87.77		172.59	5			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:56.640	Radar Report Msg	0b01 001c 0039 9fb8 15f1 2b26 0588 3f44 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
5.81	26	2	4				87.39		167.17	4			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9fb8 15d9 29cb 02e8 0068 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	9.09	67	6	1			88.91	170.20	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 9fb8 163a 2a8d 048c 010c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:56.730	358	DSO92	2	7303	7303	0	+19	+277	DEP

RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS
-2.46	+8.99	344	9.26	3920 345	9.27	85.67	170.86	278

ALTITUDE FIRMNESS: 3

VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
4	+15129	+15000	+14950	+15005	+12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:56.730	Active Track Maintenance Msg	1700 0058 0001 d4e9 0001 d8ca 0001 d330 0039 9eb6 fbf7 0062 fec5 047f 0000 0000
		0162 13bd 0001 f50d 0944 0ec3 7fff 0954 2a4d 156b 2ab7 13c9 0166 0000 0000 9072
		031f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0200 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0ec3 0000 0172 0172 0172 003c 010c 0000
		0000 0000 0000 0000 0000 0005 0005 0000 0000 0000 00c9 0000 016c 002d 0166 0154
		0000 000a 0000 01cd 0187 0113 0000 0000 0000 0000 0000 0000 0000 01ef ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0005 2000 af00 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
0001 0000 0000 0043 4639 3030 0000 0000 564e 5900 504d 4400 2020 2020 2020 2020
2020 0000 4453 4f39 3200 0000 0000 0032 3133 0000 0000 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	COR NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	5.88	55	5	2			87.66	167.16	2			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:56.860	Radar Report Msg	0b01 001c 0039 a080 15ea 29ca 02f0 00dc 0202 0200 0001 0103 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	6.19	98	9	3			88.13	167.31	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a080 1608 29d4 0318 0188 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.31	195	17	1			91.13	170.48	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a080 16c8 2a9f 0528 030c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:02:56.880	4	10.72	259	23	1		92.20	170.23	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:57.090	Radar Report Msg	0b01 001c 0039 a0f8 170d 2a8f 055c 040c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.63	253	22	3			92.06	170.22	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 a0f8 1704 2a8e 0550 03f4 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT			
	10.47	234	21	1			91.73	170.28	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a0f8 16ef 2a92 053c 03a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT			
	7.22	490	43	1			91.70	165.58	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:57.090	Radar Report Msg	0b01 001c 0039 a17a 16ed 2965 039c 07a8 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:57.300	451	2	7211		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+32.21	-22.22	124	39.09	1417 125	39.13	111.25	132.16	124	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+729	+600	+0	+729	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:57.300	Active Track Maintenance Msg	1700 0058 0000 16ca 0000 16ca 0000 0000 0000 0000 fbf7 0000 101b f4e4 0000 0000
		0000 0000 0000 589a 2721 0e89 589a 2721 0000 1bd0 210a 08de 01c3 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM PROC	STR	SC	TYP	SYS
01:02:57.090	5	7.38	515	45	1		91.98	165.44	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a242 16ff 295c 03b0 080c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:57.400	424	2	4121		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0

X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+40.12 +0.94 88 40.07 1008 89 40.13 124.80 152.53 149 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
0 +1029 +900 +0 +1029 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:57.400	Active Track Maintenance Msg	1700 0058 0000 202a 0000 202a 0000 0000 0000 0000 fbf7 0000 140f 0078 0000 0000
		0000 0000 0000 3f0c 2820 0851 3f0c 2820 0000 1f33 2622 0a9e 01a8 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:57.630	72	2		2013	+339	+397			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+34.73	+43.12	38	55.29	441 39	55.37	130.13	194.63	523	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
40	+29000	+29000	+29000	+29000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:57.630	Active Track Maintenance Msg	1700 0058 0003 8a40 0003 8a40 0003 8a40 0039 a195 0000 0000 115e 158f 0000 0000 182c 1c4c 0000 1b9b 375f 040b 1ba0 3760 0000 2088 30a8 2537 0048 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:57.630	3	2		7220	+336	+361			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
+32.80	+19.52	59	38.11	673 59	38.16	122.27	172.36	494	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
43	+23400	+23400	+23405	+23503	+21	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:02:57.630 Active Track Maintenance Msg 1700 0058 0002 de7d 0002 db40 0002 db6b 0039 a29a 0000 00aa 1067 09c3 0000 0000
17ef 19bc 0000 2a19 2629 0e90 2a20 262c a017 1e91 2b17 2325 0003 0000 0000 0000
081f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:57.630	6	2	1274		-4	-7			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+37.57	+17.84	64	41.57	735 65	41.59	126.63	169.58	9	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
211	-770	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e7eb ffff e3e1 0039 a2de fbf7 0000 12c9 08ec 0000 0000
		ffa7 ff72 0000 2dfe 2997 02bc 2df0 2998 5858 1fa8 2a65 00a7 0006 0000 0000 0044
		0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:02:57.420	7	3.66	700	62	4		88.94		162.61	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:57.650	Radar Report Msg	0b01 001c 0039 a38c 163c 28a7 01d4 0af0 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
		4.03	732	64	7		89.39		162.53	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a396 1659 28a2 0204 0b70 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
		3.91	776	68	2		89.28		162.27	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a396 1652 2891 01f4 0c20 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:02:57.740 311 2 3275 +0 +0 RADAR-ONLY: NO
FIRMNESS: 63
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 0
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+25.73 -25.79 135 36.37 1536 135 36.43 104.08 130.36 226 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
0 +5029 +4900 +0 +5029 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:57.740	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0cde f31b 0000 0000 0000 0000 0000 600b 246e 06bd 600b 246e 0000 1a05 2097 1014 0137 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:02:57.510	8	4.34	858	75	1		89.80	161.83	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:57.740	Radar Report Msg	0b01 001c 0039 a3e6 1673 2875 022c 0d68 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:02:57.640	9	17.34	1003	88	3		102.59	158.00	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:57.840	Radar Report Msg	0b01 001c 0039 a45e 19a6 2780 08ac 0fac 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		5.31	978	86	4		90.73	160.91	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a45e 16af 283a 02a8 0f48 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		50.72	1099	97	4		132.98	143.45	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 a45e 213f 23dd 195c 112c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
16.91	1124	99	3							101.19		155.14	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:57.860	Radar Report Msg	0b01 001c 0039 a468 194c 26c9 0874 1190 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
8.78	1100	97	2							93.80		158.69	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a468 1773 27ac 0464 1130 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	29.00	1114	98	7			112.48	150.72	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a468 1c1f 25ae 0e80 1168 0207 0700 0003 0302 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:02:58.060	532	EJA631	2	4757	0		-277	-155	RADAR-ONLY: NO
									FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+12.15	+30.51	21	32.82	247	22	32.84	105.25	188.19	0 INHIBIT MSAW PROCESS: NO
									INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
240	CST	CST	+0	+0	+0	+0	00000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:58.060	Active Track Maintenance Msg	1700 0058 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0613 0f41 0000 0000
		ec3c f4e9 0000 0f70 20d6 09ef 0f70 20d6 0000 1a50 2f0c 0001 0214 0001 0000 0000
		0000 3f00 0201 1000 0000 0000 0000 0000 0100 0000 0000 0100
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09ef 0000 0172 ffff ffff 003c 026d 0000
		0000 0000 0000 0001 0001 0001 0001 0000 0000 0000 009a 0000 003e 01bd 0214 01a5
		0000 00ec 0000 01c8 005b 0124 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2fff 0100 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0702
0101 0000 0000 0031 4335 3658 0000 0000 504d 4400 564e 5900 2020 2020 2020 2020
2020 0000 454a 4136 3331 0000 0000 0039 3135 0000 0000 0000 0000 0020 0000 0000
0000 2020 2000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:58.070	245		2	5266		+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+47.42	-3.58	94	47.51	1073	94	47.55	130.70	146.30	169

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+3929	+3800	+0	+3929	+0	+0	11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:58.070	Active Track Maintenance Msg	1700 0058 0000 7aca 0000 7aca 0000 0000 0000 0000 fbf7 0000 17b6 fe36 0000 0000 0000 0000 0000 4311 2f8e 0ab6 4311 2f8e 0000 20ad 2493 0c0b 00f5 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:02:57.840	10	7.56	1171	103	4		92.31	158.41	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:58.080	Radar Report Msg	0b01 001c 0039 a4e0 1714 279a 03c8 124c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		39.88	1156	102	7		121.47	144.20	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a4e0 1e5e 240d 13f0 1210 0207 0700 0005 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		7.72	1171	103	4		92.45	158.34	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a4e0 171d 2796 03dc 124c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	2.94	1124	99	0			88.02		160.86		0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a4e0 1601 2837 0178 1190 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	36.16	1124	99	4			118.89		147.45		4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a4e0 1db9 24dd 1214 1190 0204 0400 0005 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:58.180	523	2		0646	-250	-88			RADAR-ONLY: NO

FIRMNESS: 33

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
+45.46	+0.62	89	45.44	1013 89	45.43	129.84	150.94	266	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
250	+13729	+13600	+13644	+13588	-12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:58.180	Active Track Maintenance Msg	1700 0058 0001 a8a1 0001 ad0a 0001 aa64 0039 a419 fbf7 ff9b 16bb 004f 0000 0000
		ee27 f9b8 ffff 3f5d 2d6e 01a6 3f70 2d78 0003 2076 25bc 12eb 020b 0000 0000 0100
		081f 2100 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	6.34	1233	108	3			90.91	158.48	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:58.180	Radar Report Msg	0b01 001c 0039 a5b2 16ba 279f 032c 1344 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	5.91	1210	106	1			90.63	158.91	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a5b2 16a8 27ba 02f4 12e8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	3.28	1235	109	1					88.16	160.27	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a5b2 160a 2811 01a4 134c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	7.34	1290	113	2					91.41	157.42	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a5b2 16da 275b 03ac 1428 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	47.66	1291	113	4			123.20		132.42	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a5b2 1ecd 211b 17d4 142c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	20.69	1326	117	5			101.27		148.25	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:58.180	Radar Report Msg	0b01 001c 0039 a5c6 1951 2510 0a58 14b8 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	44.34	1372	121	4			116.94		130.36	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a5c6 1d3c 2097 162c 1570 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	28.06	1388	122	7			104.98		141.47	7		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 a5c6 1a3f 235e 0e08 15b0 0207 0700 0003 0302 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:58.280	101	2	3507	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+23.10	-31.59	143	39.09	1636 144	39.13	100.06	125.42	228	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:58.280	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0b8d f035 0000 0000
		0000 0000 0000 6645 2721 0747 6645 2721 0000 1904 1f5b 103b 0065 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:58.280	527	2	4676		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+22.30	-28.29	141	35.96	1612 142	36.02	100.13	128.81	117	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2329	+2200	+0	+2329	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 48ca 0000 48ca 0000 0000 0000 0000 fbf7 0000 0b26 f1db 0000 0000 0000 0000 0000 64cd 2405 09be 64cd 2405 0000 1908 2034 085b 020f 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:02:58.090	12	40.03	1443	127	4		110.66	130.55	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:58.290	Radar Report Msg	0b01 001c 0039 a620 1baa 20a3 1404 168c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	32.66	1411	124	4			107.28	137.34	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a620 1ad2 2256 1054 160c 0204 0400 0005 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:58.400	519	2	1631	-151	-105				RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES INHIBIT MSAW PROCESS: INHIBIT MSAW DISPLAY:
+54.75	-7.86	98	55.30	1115 98	55.25	136.72	140.38	184	

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
235	+8029	+7900	+7900	+7901	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:58.400	Active Track Maintenance Msg	1700 0058 0000 f6e9 0000 faea 0000 f6e4 0039 a48c fbf7 0001 1b60 fc12 0000 0000
		f541 f880 0000 45b8 373f 0399 45d0 3750 5858 222e 2318 0d1a 0207 0000 0000 0584
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: DEP
01:02:58.400 394 N121NA 2 1320 1320 1X -114 +24 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+20.73 -3.36 99 20.95 1129 99 20.99 104.95 153.34 117 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
281 +5929 +5800 +5800 +5800 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 b540 0000 b94a 0000 b540 0039 a49a fbf7 0000 0a5d fe52 0000 0000
f7d4 01b8 0000 4692 14fd 02d0 4690 1500 1be0 1a3d 2656 0859 018a 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 02d0 0015 003c 003c 003c 0000 023d 0000
0000 0000 0000 0000 0000 0024 0005 0000 0000 0000 02db 0000 001a 015e 018a 0099
018b 0027 0000 0113 0248 0168 0000 0000 0000 0000 0000 0000 0000 020e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 a4ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5041 3434 0000 0000 5241 4c00 5344 3800 2020 2020 2020 2020
2020 0000 4e31 3231 4e41 0000 0000 0036 3932 0000 0058 0000 0000 0020 0000 0046
3036 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:02:58.400 298 2 0771 -221 +9 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+32.05 -4.80 98 32.35 1118 98 32.39 115.52 149.09 222 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
272 +10329 +10200 +10197 +10137 -13 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 3cc8 0001 42ca 0001 3eac 0039 a491 fbf7 ff98 1006 fd99 0000 0000
f039 00aa 0000 45e3 2065 01f9 4610 2068 0000 1ce1 2546 0fcb 012a 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:58.400	339		2	2201		-233	-111		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+52.07	-11.36	102	53.28	1162 102	53.25	133.23	137.67	258	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
244	+9129	+9000	+9017	+8928	-19	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 1700 0001 1d4a 0001 19cc 0039 a4c1 fbf7 ff65 1a09 fa52 0000 0000
		ef61 f816 0000 48af 3541 0481 48c0 354c 0000 214f 226b 1269 0153 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:58.400	389		2	1654		-208	-91		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+45.55	-14.20	107	47.66	1222 107	47.66	126.22	136.58	227	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
246	+9029	+8900	+8900	+8909	+1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0001 166a 0001 1a2a 0001 1626 0039 a501 fbf7 000f 16c7 f8e6 0000 0000
f129 f985 0000 4c65 2faa 03ac 4c50 2fb8 0000 1f8e 2225 1032 0185 0000 0000 0100
061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:58.400	207	N8451R	2	4647	4647	1X	-103	+16	ARR RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+8.27	-3.08	110	8.80	1256 110	8.84	92.95	156.80	104	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
279	+6029	+5900	+5907	+5910	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:58.400	Active Track Maintenance Msg	1700 0058 0000 b8b0 0000 bc6a 0000 b89b 0039 a529 fbf7 0004 0423 fe76 0000 0000
		f8a1 0128 0000 4e80 08d8 09a7 4e80 08d4 0001 173d 2733 0776 00cf 0000 0000 a62a
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09a7 0015 003c 003c 003c 0028 0068 0000
		0000 0000 0000 0000 0000 0026 0001 0000 0000 0000 00b0 0000 0037 00e1 00cf 0041
		0000 0044 0000 01bb 0036 00bd 0000 0000 0000 0000 0000 0000 0000 020c ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
		0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
		0001 0000 0000 0043 5032 3841 0000 0000 504f 4300 5656 5600 2020 2020 2020 2020
		2020 0000 4e38 3435 3152 0000 0000 0036 3633 0000 0058 0000 0000 0020 5656 5600
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:58.400	590	2	4624		+42	-100			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
+34.18	-13.36	111	36.63	1265 111	36.82	115.44	140.27	109	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
156	+2929	+2800	+2800	+2801	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 5788 0000 5b8a 0000 5786 0039 a535 fbf7 0000 1117 f952 0000 0000 030e f8de 0000 4f1d 24d3 0994 4f30 24b4 1d00 1cdc 2311 07c3 024e 0000 0000 1e96 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:58.400	280	2	6737		+504	+111			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+46.02	-20.83	114	50.49	1301 114	50.50	124.88	130.16	516	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
77	+25700	+25700	+25709	+25831	+25	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0003 273c 0003 2320 0003 236c 0039 a55b 0000 00cd 1703 f596 0000 0000
23e4 07e5 fffe 5154 3280 0ddf 5150 3284 031c 1f38 208a 24c0 0118 0000 0000 0001
051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:02:58.400 55 2 7230 -243 -100 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 9
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+18.32 -9.91 118 20.80 1348 118 20.86 100.97 147.64 263 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
247 +5729 +5600 +5579 +5453 -27 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 aa6a 0000 b30a 0000 ae5f 0039 a58f fbf7 ff27 0929 fb0c 0000 0000
eea7 f8e2 0001 5440 14db 0e98 5430 14d4 0000 193e 24e9 12c0 0037 0000 0000 0000
091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:02:58.400 431 2 2734 -42 -132 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 6
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+33.23 -17.90 118 37.69 1346 118 37.79 113.38 136.11 138 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
197	+2529	+2400	+2376	+2240	-28	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 4603 0000 4f0a 0000 4a44 0039 a58e fbf7 ff1c 109e f70d 0000 0000 fcfa f69d 0003 5426 25c9 05dc 5420 25c0 0002 1c58 2207 09dd 01af 0000 0000 0000 061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:58.400	361	2	4631		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+3.90	-15.21	165	15.67	1884 166	15.70	85.67	146.14	140	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+629	+500	+0	+629	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:58.400	Active Track Maintenance Msg	1700 0058 0000 13aa 0000 13aa 0000 0000 0000 0000 fbf7 0000 01f3 f865 0000 0000 0000 0000 0000 75c7 0fb3 0999 75c7 0fb3 0000 156b 2489 0a01 0169 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:58.400	328	2	6655		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+21.88	-23.38	136	32.01	1557 137	32.02	100.97	133.66	209	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2029	+1900	+0	+2029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 3f6a 0000 3f6a 0000 0000 0000 0000 fbf7 0000 0af1 f44f 0000 0000
0000 0000 0000 6159 2006 0dad 6159 2006 0000 193e 216a 0eea 0148 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	34.72	1440	127	5		107.47		134.80		5		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:58.510	Radar Report Msg	0b01 001c 0039 a6a2 1ade 21b3 115c 1680 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	4.25	1530	134	4		87.78		158.47		4		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a6a2 15f2 279e 0220 17e8 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
16.91	1545	136	5				94.06	147.20	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a6a2 1784 24cd 0874 1824 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:58.630	561	2	4745	-154	+116				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+18.95	-19.24	135	26.96	1540 135	27.00	99.22	138.44	192	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
307	+6729	+6600	+6595	+6477	-25	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:58.630	Active Track Maintenance Msg	1700 0058 0000 ca6c 0000 d24a 0000 ce1a 0039 a669 fbf7 ff36 097a f661 0000 0000
		f50c 0841 0001 6047 1b01 09e5 6050 1b04 0039 18ce 229c 0db7 0231 0000 0000 0400
		061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:58.630	329	2	4657	-137	+174				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
+26.30	-27.62	136	38.06	1551 136	38.16	104.20	128.48	222	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
321	+7029	+6900	+6900	+6900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 d7a0 0000 dbaa 0000 d7a0 0039 a676 fbf7 0000 0d26 f231 0000 0000 f63c 0c6c 0000 60f9 2628 09af 6100 2624 0001 1a0d 201f 0fcd 0149 0000 0000 0100 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:58.630	597		2		-161	+95			RADAR-ONLY: NO

FIRMNESS: 32

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: NO
+38.88	-4.98	97	39.18	1107 97	39.19	122.09	147.17	187	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
300	CST	CST	+3309	+3394	+18	+0	10011

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 6a10 0000 6b2a 0000 676d 0039 9257 fbf7 0092 1370 fd82 0000 0000
		f487 06c3 0000 4532 2731 09b5 4530 2780 0000 1e86 24cb 0d51 0255 0000 0000 0000
		0413 2000 0203 1001 0303 0000 0000 0001 0100 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:58.630	333		2		+79	-25			RADAR-ONLY: NO

FIRMNESS: 16

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: NO
+10.96	-0.77	94	10.96	1069 94	10.99	96.17	158.33	83	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
107	CST	CST	+1800	+1800	+0	+0	01100

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 3840 0000 0000 0000 3840 0039 8013 fbf7 0000 057b ff9e 0000 0000
05af fe2b 0000 42d6 0afd 0280 42a0 0ac8 0000 180b 2795 05f9 014d 0000 0000 0000
030c 1000 0203 1001 0300 0000 0000 0001 0100 0000 0000 0101

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:02:58.310	14	18.50	1668	147	6		91.67	144.39	6			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:58.630	Radar Report Msg	0b01 001c 0039 a706 16eb 2419 0940 1a10 0206 0600 0004 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		3.25	1690	149	7		86.58	159.14	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a706 15a5 27c9 01a0 1a68 0207 0700 0003 0302 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:02:58.530	15	4.84	1737	153	5		86.77		157.38	5				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:58.740	Radar Report Msg	0b01 001c 0039 a7ce 15b1 2758 026c 1b24 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		18.59	1747	154	6		89.55		143.70	6				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a7ce 1663 23ed 094c 1b4c 0206 0600 0004 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		24.38	1707	150	7		92.17		138.38	7				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a7ce 170b 2298 0c30 1aac 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		30.47	1731	152	3		92.70		132.22	3				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 a7ce 172d 210e 0f3c 1b0c 0203 0300 0004 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
5.03	1763	155	1						86.63	157.16	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a7d8 15a8 274a 0284 1b8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
4.09	1787	157	2						86.30	158.11	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a7d8 1593 2787 020c 1bec 0202 0200 0001 0103 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
21.03	1843	162	3			86.98	140.91	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a7d8 15bf 233a 0a84 1ccc 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:58.860	7	2	1275		+12	-6			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+41.65	-14.47	109	44.05	1241	109	44.11	122.36	137.31	14 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC WINDOW
119	+0	+0	+0	+0	+0	00000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:58.860	Active Track Maintenance Msg	1700 0058 0000 0000 0000 0000 0000 0000 0039 a519 0000 0000 14d3 f8c4 0000 0000 00e2 ff81 0000 4d90 2c1d 02bd 4da0 2c18 0003 1e97 2254 0103 0007 0000 0000 a6a2 0000 2600 0203 1000 0300 0100 0000 0001 0000 0000 0000 0000
01:02:58.860	Delete Track Msg	1704 0008 016a 0910

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:58.860	98	2	3253		+194	+63			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+6.72 -9.14 143 11.31 1631 143 11.35 89.94 151.33 204 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
71 +6429 +6300 +6308 +6228 -17 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:58.860	Active Track Maintenance Msg	1700 0058 0000 c2a2 0000 c8ea 0000 c521 0039 a6d3 fbf7 ff71 035c fb6e 0000 0000 0dd4 0487 fffe 65fe 0b59 06ab 6630 0b58 0000 167c 25d5 0e8d 0062 0000 0000 0000 051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:58.860	312	2	3220	-50	-166				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+8.15	-13.73	149	15.91	1698 149	16.09	90.17	146.50	174	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
197	+2629	+2500	+2501	+2388	-24	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 4aa2 0000 522a 0000 4e2f 0039 a71b fbf7 ff3b 0413 f922 0000 0000
		fc64 f424 0000 6a24 1018 0690 6a30 0ff8 1be0 168b 24a0 0c65 0138 0000 0000 0000
		051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:58.860	278	2	4613	+248	+64				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+13.77	-22.34	148	26.21	1688 148	26.23	93.42	136.77	256	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
75	+6029	+5900	+5881	+5969	+25	+2	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 ba8e 0000 bc6a 0000 b7ca 0039 a70f fbf7 00ca 06e2 f4d5 0000 0000
11a6 048f 0015 6981 1a3b 098b 6980 1a3c 0000 175b 2231 123a 0116 0000 0000 0000
041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:58.860	530	2	4643		-273	+190			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+26.13	-46.28	150	53.12	1713 151	53.15	99.30	110.55	333	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
304	+20000	+20000	+20000	+20000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0002 7100 0002 7100 0002 7100 0039 a72b 0000 0000 0d11 e8dc 0000 0000
ec87 0d93 0000 6b18 3527 09a3 6b10 3528 a012 18d3 1ba3 17bc 0212 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:02:58.860 219 2 1060 -396 -152 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+6.55 -15.34 157 16.63 1784 157 16.70 88.08 146.31 425 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
249 +35000 +35000 +35000 +35000 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0004 45c0 0004 45c0 0004 45c0 0039 a77c 0000 0000 0347 f854 0000 0000
e3ca f520 0000 6f88 10b3 0230 6f90 10b0 0000 1605 2494 1e3d 00db 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:02:58.860 460 2 4622 +0 +0 RADAR-ONLY: NO
FIRMNESS: 63
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 0
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+13.80 -21.88 147 25.84 1681 148 25.87 93.55 137.17 151 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+4029	+3900	+0	+4029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:58.860	Active Track Maintenance Msg	1700 0058 0000 7dea 0000 7dea 0000 0000 0000 0000 fbf7 0000 06e7 f50f 0000 0000 0000 0000 0000 6911 19df 0992 6911 19df 0000 1763 224b 0acb 01cc 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	SYSTEM Y	NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:02:58.630	16	3.97	1866	164	2		85.84		158.22	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:58.860	Radar Report Msg	0b01 001c 0039 a83c 1576 278e 01fc 1d28 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
9.53	1893	166	5				85.59	152.45	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a83c 1566 261d 04c4 1d94 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.28	1882	165	1				85.75	156.81	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a83c 1570 2734 02a4 1d68 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.66	1886	166	2				85.72	155.38	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a83c 156e 26d8 0354 1d78 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
18.98	2017	177	7	4614-0		000-18 000	81.84	143.33	7	W			RB	0	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:02:58.950 Beacon Report Msg 0b02 002c 0039 a8b4 0000 0000 0000 098c 1476 23d5 097e 1f84 0207 0700 0312 0000 7f00 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	4.19	2003	176	1			85.05		158.05	1		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:58.950	Radar Report Msg	0b01 001c 0039 a8b4 1543 2783 0218 1f4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	19.03	2028	178	7			81.53		143.36	7		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a8b4 1462 23d7 0984 1fb0 0207 0700 0003 0302 1d00 0000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:59.070	Delete Track Msg	1704 0008 000e 0010

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
01:02:58.970	18	5.09	2071	182	4				84.38	157.20	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:59.180	Radar Report Msg	0b01 001c 0039 a990 1518 274d 028c 205c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
		5.03	2134	188	2				83.97	157.42	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a990 14fe 275b 0284 2158 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
		18.09	2204	194	7				77.20	145.98	7		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a990 134d 247f 090c 2270 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS

31.34	2168	191	5		72.44	133.53	5		RT	2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:59.190	Radar Report Msg	0b01 001c 0039 a99a 121c 2162 0fac 21e0 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	5.41	2248	198	2			83.02	157.47	2			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a99a 14c1 275e 02b4 2320 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	4.44	2218	195	1			83.72	158.25	1			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a99a 14ee 2790 0238 22a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG X	QUA NM	BEACON Y	ALT NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	4.44	2243	197	1		83.59	158.33	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 a99a 14e6 2795 0238 230c 0201 0100 0001 0000 1d00 0000
01:02:59.290	Delete Track Msg	1704 0008 015c 0010
01:02:59.290	Delete Track Msg	1704 0008 023d 0110
01:02:59.290	Delete Track Msg	1704 0008 01c7 0810

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:59.290	176	2	4772	+210	+74				RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PREDICTED DEG	RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4
+1.45	-11.15	172	11.21	1959	172	11.22	84.34	150.72	223	VALID ALTITUDE: YES
										INHIBIT MSAW PROCESS:
										INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
70	+5829	+5700	+5717	+5717	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:59.290	Active Track Maintenance Msg	1700 0058 0000 b2aa 0000 b62a 0000 b2aa 0039 a845 fbf7 0000 00b9 fa6d 0000 0000
		0efb 0555 0000 7a76 0b39 09fa 7ac0 0b40 0000 1516 25ae 0fe7 00b0 0000 0000 00fe
		041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:59.290	449	2		7242	-313	+146			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+4.26	-35.91	173	36.13	1971 173	36.16	80.84	126.41	346	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
295	+31900	+31900	+31879	+32010	+28	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:59.290	Active Track Maintenance Msg	1700 0058 0003 e856 0003 e4e0 0003 e43b 0039 a84d 0000 00e5 0221 ee0c 0000 0000
		e9ae 0a6e 0000 7b3d 2428 0ea2 7b30 2428 0000 1436 1f9a 18a3 01c1 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:59.290	580	2	4614	-23	+85				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: NO
+0.91	-18.96	177	18.96	2025	178	18.99	81.84	143.28	88 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
344	-129	+3939	+3975	+7	+0	11100	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 7c39 0000 0000 0000 7b19 0039 a881 fbf7 003e 0074 f685 0000 0000
		fe59 061b 0000 7e96 12fd 098c 7e10 12fc 0000 1476 23d2 0653 0244 0000 0000 0000
		031c 2600 0203 1000 0300 0100 0000 0001 0000 0000 0000 0101

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:59.290	160	2	4645	+69	+293				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
+0.90	-18.34	177	18.33	2015	177	18.41	82.02	143.94	302 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
13	+10829	+10700	+10723	+10874	+32	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0001 53d4 0001 526a 0001 4f1f 0039 a880 fbf7 0101 0073 f6d4 0000 0000
04ef 14e8 ffff 7dfc 1268 09a5 7e00 1260 4023 1481 23fc 157b 00a0 0000 0000 003c
071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:59.290	310	2	1051		+416	+99			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
-0.20	-33.53	180	33.50	2052 180	33.55	77.13	129.61	427	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
76	+19900	+19900	+19926	+20091	+35	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 73dc 0002 6de0 0002 6eb2 0039 a8a8 0000 011a ffe6 ef3c 0000 0000
		1d97 0718 ffff 8045 218c 0229 7fff 2188 a012 1348 2067 1e6e 0136 0000 0000 003c
		071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	X	SYSTEM NM	Y	PROC NM	STR STAT	SC	TYP	SYS
01:02:59.290	20	5.56	2506	220	1				81.41		158.78		1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:59.520	Radar Report Msg	0b01 001c 0039 aada 145a 27b2 02c8 2728 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	X	SYSTEM NM	Y	PROC NM	STR STAT	SC	TYP	SYS
		5.56	2531	222	1				81.30		158.95		1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 aada 1453 27bd 02c8 278c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	X	SYSTEM NM	Y	PROC NM	STR STAT	SC	TYP	SYS
		30.00	2531	222	7				60.61		145.58		7		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 aada 0f27 2465 0f00 278c 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.97	2583	227	4			80.70	159.11	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 aada 142d 27c7 02fc 285c 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:59.740	49	2	6311		+380	-87			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8
-15.88	-42.91	200	45.72	2276 200	45.75	59.58	124.41	390	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
103	+12329	+12200	+12188	+12088	-21	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:59.740	Active Track Maintenance Msg	1700 0058 0001 79c4 0001 814a 0001 7ce5 0039 a9a7 fbf7 ff54 f810 ea8c 0000 0000
		1b0c f9c3 0000 8e4a 2dbf 0cc9 7fff 2dc0 0000 0ee5 1f1a 1bc2 0031 0000 0000 0000
		081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:59.740	379	2	6312		+313	-4			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: YES
-10.52	-12.47	220	16.27	2502 220	16.28	72.50	152.48	313	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
90	+9929	+9800	+9850	+9840	-2	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 3381 0001 364a 0001 33d0 0039 aaa6 fbf7 ffee fabd f9c4 0000 0000
		164c ffaa 0000 9c6a 1048 0cca 7fff 1050 0000 1220 261f 164c 017b 0000 0000 0000
		031f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:59.740	304	2	7342		-313	+150			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-23.79	-22.72	226	32.84	2575 226	32.89	57.44	146.14	347	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
295	+35000	+35000	+34972	+34966	-1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:59.740	Active Track Maintenance Msg	1700 0058 0004 44b1 0004 45c0 0004 44e0 0039 aaf4 0000 fff7 f41b f4a4 0000 0000 e9b0 0ab2 0000 a0f8 20e3 0ee2 7fff 20e4 170e 0e5c 2489 18be 0130 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:02:59.530	22	8.66	2658	234	3		77.88		158.69	3		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:59.740	Radar Report Msg	0b01 001c 0039 abc0 1378 27ac 0454 2988 0203 0300 0001 0203 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	6.78	2636	232	4			79.73	159.19	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 abc0 13ef 27cc 0364 2930 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	11.66	2714	239	3			74.72	158.50	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:59.740	Radar Report Msg	0b01 001c 0039 abca 12ae 27a0 05d4 2a68 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	8.75	2747	241	3			77.42	159.77	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 abca 135b 27f1 0460 2aec 0203 0300 0001 0203 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:02:59.840	275	2		0257		+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X	DISPLAY NM	DISPLAY Y	DISPLAY NM	PRED_AZIM AZI DEG	PREDICTED RANGE NM	SYSTEM ACP	SYSTEM DEG	SYSTEM RANGE NM	SPEED X	SPEED NM	SPEED Y	SPEED NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES

+36.68 +0.32 89 36.63 1018 89 36.68 121.31 152.81 85 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1729	+1600	+0	+1729	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:59.840	Active Track Maintenance Msg	1700 0058 0000 360a 0000 360a 0000 0000 0000 0000 fbf7 0000 1257 0029 0000 0000 0000 0000 0000 3fa4 24ae 00af 3fa4 24ae 0000 1e54 2634 061c 0113 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	15.75	2747	241	2		70.56	158.08	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:02:59.850	Radar Report Msg	0b01 001c 0039 ac1a 11a4 2785 07e0 2aec 0202 0200 0001 0103 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
2.00	2795	246	5				84.61	161.64	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ac1a 1527 2869 0100 2bac 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
12.00	2835	249	3				73.95	160.56	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ac1a 127d 2824 0600 2c4c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
14.59	2933	258	2				71.28	162.45	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ac1a 11d2 289d 074c 2dd4 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:00.050	8	2	1273	+0	+0				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PREDICTED DEG	RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES

-37.78 -33.20 228 50.26 2602 229 50.29 40.83 139.30 0 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
321	-899	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:00.050	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e3e1 ffff e3e1 0039 ab13 0000 0000 ed1c ef66 0000 0000 fff8 000b 0000 a2a0 324b 02bb 7fff 324c 0000 0a35 22d3 000e 0008 0000 0000 000c 0a1f 2603 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:00.170	586		2	4673	+308	+24			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-22.48	-12.28	241	25.56	2745 241	25.64	60.97	155.67	309	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
85	+11029	+10900	+10900	+10900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:00.170	Active Track Maintenance Msg	1700 0058 0001 54a0 0001 58aa 0001 54a0 0039 abb5 fbf7 0000 f4c2 f9dc 0000 0000
		15f4 01bf 0000 ab9d 19a3 09bb 7fff 19a0 a003 0f3e 26eb 1606 024a 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:00.170	173		2	6307	+499	-218			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-19.99	-8.60	246	21.70	2807 247	21.77	64.91	158.69	544	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
113	+33000	+33000	+33000	+33000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0004 0740 0004 0740 0004 0740 0039 abf9 0000 0000 f601 fbb3 0000 0000
237f f07a 0000 af70 15c5 0cc7 7fff 15c4 a004 103a 27ac 26be 00ad 0000 0000 000c
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:00.170	591	N31F	2	0260	0260	1Y	+49	+73	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-8.38	-4.01	244	9.28	2782 245	9.25	76.67	160.09	88	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: YES

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
34	+2229	+2100	+2058	+2256	+56	+5	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 4681 0000 45aa 0000 4054 0039 abdc fbf7 01c3 fbd0 fdff 0000 0000 0389 0535 002f ade9 093f 00b0 7fff 0948 0039 132b 2806 064b 024f 0000 0000 05a4 041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 00b0 008a 0104 ffff ffff 003d 000e 0000 0000 0000 0000 0000 0000 008a 008a 0000 0000 0000 0000 0000 00c9 0215 024f 015c 0000 00b1 0000 013a 00d7 00d5 0000 0000 0000 0000 0000 0000 0000 0448 ffff 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0000 0000 0100 0000 0001 0000 0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0004 2020 2fff 0000 0000 0000 0000 0000 0000 0000 0000 0001 0702 0001 0000 0000 0043 0000 0000 0000 0000 0000 0000 564e 5900 2020 2020 2020 2020 2020 0000 4e33 3146 0000 0000 0000 0000 0000 0000 0059 0000 0000 0020 564e 5900 0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 000f 0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:00.170	319	OPT708	2	4725	4725	1W	+130	+26	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9
-2.38	-0.94	248	2.55	2827 249	2.55	83.23	161.53	133	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
78	+1529	+1400	+1378	+1316	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 2925 0000 2fca 0000 2b16 0039 ac11 fbf7 ff95 fecf ff88 0000 0000
094d 01e6 0000 b0bd 028e 09d5 7fff 0290 0000 14cf 2862 097e 013f 0000 0000 3030
091f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0004 0000 0000 0000 0202 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0003
0000 0200 0000 0600 0000 0000 0000 0000 8000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09d5 0003 0122 ffff ffff 002a 0168 0000
0000 0000 0000 0253 0000 0001 0001 0000 0000 0000 005b 0000 00d8 0058 013f 00c5
0000 00be 0000 010d 008c 01a6 0000 0000 0000 0000 0000 0000 0000 022e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 03ff 0100 0000 0000 0000 0000 0100 0000 0000 0001 0001 0502
0001 0000 0000 0031 4245 3430 0000 0000 504d 4400 4255 5200 2020 2020 2020 2020
2020 0000 4f50 5437 3038 0000 0000 0032 3931 0000 0057 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:00.170	406	2		4622	-116	+11			RADAR-ONLY: NO

FIRMNESS: 15

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+13.79	-21.92	147	25.84	1679 148	26.00	93.55	137.14	117	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
275	+4029	+3900	+3900	+3900	+0	+0	00011

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 79e0 0000 7dea 0000 79e0 0039 a708 fbf7 0000 06e5 f50a 0000 0000 f7b1 00d9 0000 68f0 1a00 0992 6920 19e8 006d 1763 2249 085a 0196 0000 0000 0700 0403 0f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:02:59.850	24	37.91	2995	263	4		48.27	167.05	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ad0a 0c11 29c3 12f4 2ecc 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	13.34	3130	275	2			73.31	166.31	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:00.180	Radar Report Msg	0b01 001c 0039 ad64 1254 2994 06ac 30e8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
01:03:00.060	25	12.81	3141	276	2				73.89	166.33	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:00.280	Radar Report Msg	0b01 001c 0039 ade6 1279 2995 0668 3114 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
		13.75	3122	274	4				72.86	166.30	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ade6 1237 2993 06e0 30c8 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	37.91	3162	278	4			50.81	176.38	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ade6 0cb4 2c18 12f4 3168 0204 0400 0005 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:00.390	511		2			+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+20.41	-1.85	95	20.45	1082	95	20.49	105.03	154.84	113

INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	CST	CST	+0	+1529	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:00.390	Active Track Maintenance Msg	1700 0058 0000 2fca 0000 2fca 0000 0000 0000 0000 fbf7 0000 0a34 ff13 0000 0000 0000 0000 0000 43af 147d 0a82 43af 147d 0000 1a42 26b6 0811 01ff 0001 0000 0000 001f 3f00 0203 1000 0303 0000 0000 0001 0100 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:00.390	491		2	1022		+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0

X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-0.30 -16.05 180 16.00 2060 181 16.05 81.39 146.39 174 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
0 +1529 +1400 +0 +1529 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 2fca 0000 2fca 0000 0000 0000 0000 fbf7 0000 ffda f7f9 0000 0000 0000 0000 0000 80c0 100e 0212 80c0 100e 0000 1459 2499 0c61 01eb 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
01:03:00.180	26	10.19	3245	285	4				77.05	166.84	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:00.400	Radar Report Msg	0b01 001c 0039 ae54 1343 29b6 0518 32b4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	58.34	3205	282	4			33.53	187.72	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ae54 0862 2eee 1d2c 3214 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	13.91	3282	288	4			74.20	169.38	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ae54 128d 2a58 06f4 3348 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:00.490	545	N4171H	2	4706	4706	0	-157	-11	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-20.62	-5.27	255	21.22	2908 256	21.28	64.50	161.97	158	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
266	+4029	+3900	+3900	+3900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:00.490	Active Track Maintenance Msg	1700 0058 0000 79e0 0000 7dea 0000 79e0 0039 ac6c fbf7 0000 f5b1 fd5e 0000 0000

f4c5 ff32 0000 b5cb 1547 09c6 7fff 1548 1df6 1020 287e 0b42 0221 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09c6 0000 0028 0028 0028 001e 003d 0000
0000 0000 0000 0000 0000 0001 0003 0000 0000 0000 0068 0000 00fa 020a 0221 0235
0000 0102 0000 00a7 0144 0075 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 21ff 0600 0000 0000 0000 0000 0100 0000 0000 0001 0000 0502
0001 0000 0000 0036 4d32 3050 0000 0000 5748 5000 4f58 5200 2020 2020 2020 2020
2020 0000 4e34 3137 3148 0000 0000 0034 3534 3234 3400 0000 0000 0020 4f58 5200
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: OVR
01:03:00.490 274 N8063T 2 4763 4763 1V +117 +39 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-19.31 -3.96 258 19.71 2940 258 19.72 66.11 162.89 123 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
71 +6229 +6100 +6089 +6140 +11 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 bfe2 0000 c2aa 0000 be4c 0039 ac8f fbf7 0058 f658 fe05 0000 0000
0856 02d4 0000 b7ce 13b8 09f3 7fff 13b8 0000 1087 28b9 08cd 0112 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0800 0000 0000 0000 0000 0000 0040 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09f3 0005 0032 ffff 0032 002c 022a 0000
0000 0000 0000 0184 0000 0003 0003 0000 0000 0000 00ae 0000 0070 0245 0112 00cb
0000 002d 0000 0194 0133 0144 0000 0000 0000 0000 0000 0000 0000 042f ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 00ff 0600 0000 0000 0000 0000 0100 0201 0000 0001 0001 0102
0001 0000 0000 0036 5041 3332 0000 0000 4f58 5200 4844 4600 2020 2020 2020 2020
2020 0000 4e38 3036 3354 0000 0000 0030 3030 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:00.490	297	2	1056	-17	+115				RADAR-ONLY: NO

FIRMNESS: 37

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-40.88	-3.90	264	41.05	3012 265	41.05	45.27	168.42	117	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
351	+5129	+5000	+4998	+5055	+12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 9dff 0000 a04a 0000 9c33 0039 acde fbf7 0064 eb90 fe0d 0000 0000 fec4 083f 0000 bc47 290e 022e 7fff 2910 a00d 0b51 2a1b 0857 0129 0000 0000 0101 0a1f 2500 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:00.490 475 N6887L 2 4714 4714 1W +184 +4 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 9
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-22.05 -1.69 265 22.06 3020 266 22.10 64.03 165.78 184 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
88 +5029 +4900 +4904 +4907 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 995f 0000 9d2a 0000 9947 0039 aceb fbf7 0005 f4fa ff28 0000 0000
0d25 005a 0000 bcce 161a 09cc 7fff 161c 0000 1002 2972 0d26 01db 0000 0000 0000
091f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0000 0000 0004 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 2000 0000
0000 0000 0000 0000 0000 0080 0010 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09cc 0003 0000 ffff 0032 0038 0253 0000
0000 0000 0000 0081 0000 0003 0000 0000 0000 0000 00f2 0000 0014 0138 01db 00c3
0000 0000 0000 0062 0054 01c9 0000 0000 0000 0000 0000 0000 0000 025c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 1dff 0600 0000 0000 0000 0000 0100 0000 0000 0001 0001 0502
0001 0000 0000 0036 4334 3231 0000 0000 4f58 5200 4343 4200 2020 2020 2020 2020
2020 0000 4e36 3838 374c 0000 0000 0037 3937 0000 0057 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:00.490 9 2 1275 +0 -6 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-12.52 -11.01 228 16.65 2601 229 16.69 70.88 154.38 6 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
181 -470 -599 -599 -599 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 ffff ed41 ffff f14b ffff ed41 0039 ab13 fbf7 0000 f9bd fa7f 0000 0000
fffc ff84 0000 a29d 10b0 02bd 7fff 10ac 0000 11b8 2698 007d 0009 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:00.270	27	14.09	3290	289	1		74.14	169.63	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:00.500	Radar Report Msg	0b01 001c 0039 aeae 1289 2a68 070c 3368 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	9.72	3306	291	3			77.94	167.36	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 aeae 137c 29d7 04dc 33a8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.13	3427	301	4			80.94	166.81	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 aeae 143c 29b4 0390 358c 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:00.610	87	CPF420	2	4664	4664	1X	+75	-64	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X	DISPLAY NM	DISPLAY Y	DISPLAY NM	PRED_AZIM AZI DEG	PREDICTED RANGE NM	SYSTEM ACP	SYSTEM DEG	SYSTEM RANGE NM	SPEED X	SPEED NM	SPEED Y	SPEED NM	ALTITUDE KNOTS	ALTITUDE FIRMNESS: 10
														VALID ALTITUDE: YES

-6.11 +0.75 277 6.11 3150 277 6.14 80.08 164.11 99 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
130	+4329	+4200	+4192	+4250	+12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:00.610	Active Track Maintenance Msg	1700 0058 0000 84d3 0000 874a 0000 8303 0039 ad7e fbf7 0065 fcf2 0060 0000 0000 0558 fb68 0000 c4e2 0625 09b4 7fff 0628 0039 1405 2907 070c 0057 0000 0000 28b9 0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09b4 0015 0032 0032 0032 003c 017c 0000
0000 0000 0000 0000 0000 0001 0026 0000 0000 0000 00ed 0000 01b0 009b 0057 0201
0000 023a 0000 0010 0184 0185 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2eff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 4332 3036 0000 0000 5748 5000 544f 4100 2020 2020 2020 2020
2020 0000 4350 4634 3230 0000 0000 0035 3634 0000 0058 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 0005 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:00.610 362 2 0006 +344 -315 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-32.36 +7.16 282 33.09 3214 282 33.10 56.39 176.91 467 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
132 +17429 +17300 +17325 +17264 -13 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0002 1b87 0002 20aa 0002 1d6e 0039 adc3 fbf7 ff97 efd2 0394 0000 0000

1888 e989 0000 c8e0 2119 0006 7fff 2124 0005 0e19 2c3a 2144 016a 0000 0000 ad0a
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.25	3430	301	2			80.88	166.92	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:00.620	Radar Report Msg	0b01 001c 0039 af26 1438 29bb 03a0 3598 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	13.66	3472	305	5			77.02	172.19	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 af26 1341 2b0c 06d4 3640 0205 0500 0003 0102 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
34.53	3420	301	3			61.50	186.33	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 af26 0f60 2e95 1144 3570 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
8.94	3517	309	4			80.58	168.92	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 af26 1425 2a3b 0478 36f4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
9.25	3483	306	3			80.02	168.89	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 af26 1401 2a39 04a0 366c 0203 0300 0001 0203 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:00.830	84	N774CS	2	3376	3376	1W	+148	-148	ARR RADAR-ONLY: NO FIRMNESS: 38

DISPLAY X	DISPLAY NM Y	DISPLAY AZI	DISPLAY DEG RANGE	DISPLAY NM	PRED_AZIM ACP	PREDICTED DEG RANGE	SYSTEM NM X	SYSTEM NM Y	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES

-24.44 +7.90 287 25.67 3275 288 25.69 64.19 175.66 210 INHIBIT MSAW PROCESS: YES
INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
134	+10429	+10300	+10286	+10248	-8	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:00.830	Active Track Maintenance Msg	1700 0058 0001 4040 0001 45ea 0001 4175 0039 ae09 fbf7 ffbe f3c8 03f3 0000 0000 0a98 f572 0000 ccbe 19b0 06fe 7fff 19b0 a004 100c 2bea 0ef5 0054 0000 0000 0000 0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 06fe 0003 012c ffff f830 0037 01ab 0000
0000 0000 0000 00db 0000 0007 002e 0000 0000 0000 00a9 0000 0215 0249 0054 0250
0000 0000 0000 005e 0091 014a 0000 0000 0000 0000 0000 0000 0000 03cb ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2056 2eff 0000 0000 0000 0000 0000 0101 0003 0000 0001 0001 0502
0001 0000 0000 0043 4332 3130 0000 0000 5341 3900 544f 4100 2020 2020 2020 2020
2020 0000 4e37 3734 4353 0000 0000 0036 3032 0000 0057 0000 0000 0020 0000 004f
4646 5620 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:00.830 194 DDA77 2 4043 4043 0 +422 -330 RADAR-ONLY: NO
FIRMNESS: 34
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-49.88 +23.49 295 55.11 3358 295 55.11 43.58 197.13 536 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
128 +23100 +23100 +23091 +22760 -70 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0002 c745 0002 d1e0 0002 d19b 0039 ae66 0000 fdc9 e70f 0bbf 0000 0000

1e03 e877 0003 d1e5 371d 0823 7fff 3724 0000 0ae5 3148 2624 00c2 0000 0000 0000
051f 2200 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0823 0000 0136 ffff 0172 0044 0204 0000
0000 0000 0000 0000 0000 0007 0007 0000 0000 0000 00ab 0000 0000 0000 00c2 0000
0000 0000 0000 00c8 0155 0189 0000 0000 0000 0000 0000 0000 0000 023d ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0100 0000 0100 0000 0000 0000 0100 0000 0100 0000 0100 0000
0100 0000 0001 0000 0001 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0005 2000 2fff 0000 0000 0000 0000 0000 0100 0000 0000 0001 0000 0102
0001 0000 0000 0043 4c4a 3335 0000 0000 4649 4d00 564e 5900 2020 2020 2020 2020
2020 0000 4444 4137 3700 0000 0000 0033 3535 0000 0000 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:00.840	51	2	1331		-201	+278			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-21.84	+13.82	302	25.82	3440 302	25.84	68.48	180.39	343	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
324	+31000	+31000	+31000	+31000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:00.840	Active Track Maintenance Msg	1700 0058 0003 c8c0 0003 c8c0 0003 c8c0 0039 aec2 0000 0000 f515 06e9 0000 0000 f1b2 13ca 0000 d707 19d7 02d9 7fff 19d8 1598 111f 2d19 186b 0033 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:00.840	56	2	4752		-131	+188			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-25.80	+19.45	307	32.26	3492 307	32.30	65.78	187.14	229	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
325	+12029	+11900	+11900	+11900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0001 73e0 0001 77ea 0001 73e0 0039 aefd fbf7 0000 f319 09b9 0000 0000
f6a7 0d67 0000 da4a 204e 09ea 7fff 2050 1f38 1072 2ec9 1057 0038 0000 0000 0103
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:00.840	392	2	7304		-246	+248			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-22.42	+18.29	309	28.87	3518 309	28.93	68.84	185.05	350	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
315	+21300	+21300	+21273	+21423	+32	+0	11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 9d78 0002 99a0 0002 98cd 0039 af19 0000 0104 f4ca 0925 0000 0000
		ee73 11b0 0000 dbe4 1cef 0ec4 7fff 1cf0 fff6 1136 2e43 18eb 0188 0000 0000 0700
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:03:00.840	Delete Track Msg	1704 0008 023a 0510
01:03:00.840	Delete Track Msg	1704 0008 01e5 0710

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:00.520	29	1.59	3583	315	0		85.22	162.75	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:00.840	Radar Report Msg	0b01 001c 0039 afa8 154e 28b0 00cc 37fc 0200 0000 0000 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	19.03	3578	314	3			76.05	178.11	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 afa8 1303 2c87 0984 37e8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.50	3651	321	1			83.59	166.61	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 afa8 14e6 29a7 02c0 390c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.94	3685	324	4			84.06	166.17	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 afa8 1504 298b 0278 3994 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:00.730	30	4.88	3689	324	4		84.11	166.13	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:00.950	Radar Report Msg	0b01 001c 0039 b070 1507 2988 0270 39a4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.38	3673	323	2			83.80	166.56	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b070 14f3 29a4 02b0 3964 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	8.59	3691	324	3			82.75	169.72	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b070 14b0 2a6e 044c 39ac 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	23.41	3740	329	5			79.09	184.20	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b070 13c6 2e0d 0bb4 3a70 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:00.840	31	4.38	3796	334	1		84.94	165.81	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:01.050 Radar Report Msg 0b01 001c 0039 b0e8 153c 2974 0230 3b50 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	7.72	3811	335	1			84.41	169.25	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b0e8 151a 2a50 03dc 3b8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	7.78	3842	338	2			84.75	169.38	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b0e8 1530 2a58 03e4 3c08 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:01.150	59	2	4603		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+56.43	+14.02	76	58.09	865 76	58.14	143.78	161.03	347	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+22600	+22600	+0	+22600	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:01.150	Active Track Maintenance Msg	1700 0058 0002 c240 0002 c240 0000 0000 0000 0000 0000 0000 1c37 0703 0000 0000
		0000 0000 0000 3613 3a25 0983 3613 3a25 0000 23f2 2842 18af 003b 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:01.150	400	2	4675		-188	-44			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-38.67	+33.77	311	51.29	3539 311	51.34	56.95	204.25	193	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
256	+14029	+13900	+13900	+13900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:01.150 Active Track Maintenance Msg 1700 0058 0001 b260 0001 b66a 0001 b260 0039 af32 fbf7 0000 ecaa 10e3 0000 0000
f29a fcda 0000 dd3c 3358 09bd 7fff 3358 0102 0e3d 3310 0dc4 0190 0000 0000 0202
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:01.150	322	N900RL	2	3601	3601	1F	-41	-273	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-10.22	+15.34	326	18.39	3711 326	18.48	79.78	179.23	276	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
188	+7829	+7700	+7743	+7726	-3	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 f176 0000 f4aa 0000 f1f9 0039 aff5 fbf7 ffe3 fae4 07ab 0000 0000
fd0c ec8d 0000 e7f8 127c 0781 7fff 1270 0000 13f2 2ccf 13ac 0142 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0781 0001 0122 ffff 01c2 0037 01b6 0000
0000 0000 0000 0084 0000 0001 008a 0000 0000 0000 008f 0000 012b 00a5 0142 009b
0000 01c6 0000 01cb 000c 020d 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0100 0000 0000 0000 0000 0100 0003 0000 0001 0001 0702
0001 0000 0000 0031 474c 4634 0000 0000 504d 4400 5656 5600 2020 2020 2020 2020
2020 0000 4e39 3030 524c 0000 0000 0035 3736 0000 0046 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: DEP
01:03:01.150 74 N40905 2 6701 6701 0 -62 +70 RADAR-ONLY: NO
FIRMNESS: 38

DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-8.30 +14.71 330 16.84 3761 331 16.88 81.48 178.09 94 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO

HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
318 +10029 +9900 +9905 +9906 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 3595 0001 396a 0001 358a 0039 b02b fbf7 0002 fbd9 075b 0000 0000 fb97 0506 0000 eb12 10e2 0dc1 7fff 10e4 1202 145f 2c86 06b0 004a 0000 0000 0000 0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000

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END TIME START TIME TARGET REPORTS: LIVE SIMULATED VALID MODE-C: 0
01:03:00.930 01:02:56.420 RADAR-ONLY 101 0 0.0%
SENSOR = 2 BEACON-ONLY 0 0
RADAR & BEACON 0 0 VALID MODE-3/A: 0
TOTAL 101 0 0.0%

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:01.150	Sensor Sector Mark Msg	1715 000c 0039 b142 0000 0200

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:00.930	0	11.09	4051	356	1		87.81	172.61	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:01.170	Radar Report Msg	0b01 001c 0039 b0f2 15f4 2b27 058c 3f4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		8.63	3976	349	2		86.38	170.28	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b0f2 1598 2a92 0450 3e20 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		10.84	4010	352	3		87.09	172.47	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b0f2 15c6 2b1e 056c 3ea8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:03:01.170	1	5.81	26	2	3			87.39		167.17	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:01.390	Radar Report Msg	0b01 001c 0039 b1ce 15d9 29cb 02e8 0068 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
		9.06	63	6	4			88.84		170.20	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b1ce 1636 2a8d 0488 00fc 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
44.53	4	0	4			97.30	204.80	4		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b1ce 1853 3333 1644 0010 0204 0400 0005 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:01.570	358	DSO92	2	7303	7303	0	+14	+284	DEP

RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS
-2.45	+9.38	345	9.68	3929 345	9.63	85.78	171.25	285

ALTITUDE FIRMNESS: 4

VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
3	+15229	+15100	+15084	+15220	+34	+2	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:01.570	Active Track Maintenance Msg	1700 0058 0001 dba6 0001 dbea 0001 d762 0039 b0e9 fbf7 0116 fec7 04b1 0000 0000
		010c 1441 0012 f594 09a2 0ec3 7fff 09b4 0000 1572 2ad0 1448 0166 0000 0000 0000
		041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0200 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0ec3 0000 0172 0172 0172 003c 010c 0000
		0000 0000 0000 0000 0000 0005 0005 0000 0000 0000 00c9 0000 016c 002d 0166 0154
		0000 000a 0000 01cd 0187 0113 0000 0000 0000 0000 0000 0000 0000 01ef ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0005 2000 af00 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
0001 0000 0000 0043 4639 3030 0000 0000 564e 5900 504d 4400 2020 2020 2020 2020
2020 0000 4453 4f39 3200 0000 0000 0032 3133 0000 0000 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:01.570	384		2	1200		+0	+0		RADAR-ONLY: NO

FIRMNESS: 7

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: YES
-36.09	-2.33	266	36.13	3030 266	36.17	50.28	168.73	0	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+5629	+5500	+5500	+5500	+0	+0	00001

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:01.570	Active Track Maintenance Msg	1700 0058 0000 abe0 0000 afea 0000 abe0 0039 acf4 fbf7 0000 edf4 fed6 0000 0000 0000 0000 0000 bd60 242c 0280 7fff 242c 0c76 0c92 2a2f 0000 0180 0000 0000 0000 0301 0700 0203 1000 0303 0100 0000 0100 0001 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:03:01.390	3	10.34	195	17	1		91.14		170.52	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:01.600	Radar Report Msg	0b01 001c 0039 b304 16c9 2aa1 052c 030c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
		9.44	209	18	4		90.83		169.63	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b304 16b5 2a68 04b8 0344 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
		10.41	234	21	3		91.69		170.22	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b304 16ec 2a8e 0534 03a8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.59	248	22	2			91.98	170.25	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b304 16ff 2a90 054c 03e0 0202 0200 0001 0103 1d00 0000
01:03:01.710	Delete Track Msg	1704 0008 01b0 0110

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:01.810	451	2	7211		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0
+32.16	-22.39	124	39.15	1420 125	39.18	111.16	132.00	125	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+729	+600	+0	+729	+0	+0	11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:01.810	Active Track Maintenance Msg	1700 0058 0000 16ca 0000 16ca 0000 0000 0000 0000 fbf7 0000 1014 f4ce 0000 0000 0000 0000 0000 58c8 272f 0e89 58c8 272f 0000 1bca 2100 08e7 01c3 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:03:01.590	4	21.41	346	30	3			100.88	176.89	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:01.820	Radar Report Msg	0b01 001c 0039 b386 1938 2c39 0ab4 0568 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:03:01.710	5	7.22	490	43	1			91.70	165.58	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b3f4 16ed 2965 039c 07a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
		7.22	467	41	1			91.58	165.80	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b3f4 16e5 2973 039c 074c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
	39.34	499	44	4		119.28	182.34	4				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b3f4 1dd2 2d96 13ac 07cc 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
	7.38	515	45	1		91.98	165.44	1				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:01.940	Radar Report Msg	0b01 001c 0039 b3fe 16ff 295c 03b0 080c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:02.030	72	2		2013	+349	+390			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+35.22	+43.59	39	56.00	442 39	56.04	130.72	194.97	523	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
41	+29000	+29000	+29000	+29000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:02.030	Active Track Maintenance Msg	1700 0058 0003 8a40 0003 8a40 0003 8a40 0039 b334 0000 0000 119c 15cc 0000 0000 18d4 1bc9 0000 1ba1 380b 040b 1bb0 380c 0b01 20ae 30be 2543 0048 0000 0000 39e8 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:01.820	6	3.69	698	61	4		88.97	162.63	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:02.030	Radar Report Msg	0b01 001c 0039 b4b2 163e 28a8 01d8 0ae8 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		4.03	732	64	7		89.39	162.53	7			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:02.150	Radar Report Msg	0b01 001c 0039 b520 1659 28a2 0204 0b70 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	1.88	744	65	0			86.69	162.00	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b520 15ac 2880 00f0 0ba0 0200 0000 0000 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	1.44	697	61	0			86.70	162.06	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b520 15ad 2884 00b8 0ae4 0200 0000 0000 0303 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	3.91	776	68	2			89.28	162.27	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b520 1652 2891 01f4 0c20 0202 0200 0001 0103 1d00 0000
01:03:02.480	Delete Track Msg	1704 0008 023a 0010
01:03:02.480	Delete Track Msg	1704 0008 0164 0110
01:03:02.480	Delete Track Msg	1704 0008 01a8 0210
01:03:02.480	Delete Track Msg	1704 0008 016f 0310
01:03:02.480	Delete Track Msg	1704 0008 0007 0410
01:03:02.480	Delete Track Msg	1704 0008 0224 0710
01:03:02.480	Delete Track Msg	1704 0008 016d 0910

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:02.480	3	2	7220		+331	+368			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9
+33.20	+20.04	59	38.75	670 59	38.77	122.78	172.77	495	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
42	+23500	+23500	+23502	+23599	+21	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:02.480	Active Track Maintenance Msg	1700 0058 0002 e17d 0002 de60 0002 de71 0039 b433 0000 00a9 109a 0a05 0000 0000
		1798 1a35 0000 29ed 26c6 0e90 29e0 26c8 0000 1eb2 2b31 2344 0003 0000 0000 0000
		091f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:02.480	6	2	1274		-8	-2			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+37.57	+17.84	64	41.57	735 65	41.57	126.63	169.58	8	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
253	-770	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e7eb ffff e3e1 0039 b47c fbf7 0000 12c9 08ec 0000 0000 ff68 ffd2 0000 2dfb 2993 02bc 2df0 2998 a003 1fa8 2a65 009f 0006 0000 0000 589c 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:02.270	9	4.34	858	75	1		89.80	161.83	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:02.490	Radar Report Msg	0b01 001c 0039 b61a 1673 2875 022c 0d68 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		6.03	954	84	3		91.50	160.97	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b61a 16e0 283e 0304 0ee8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		4.28	915	80	1		89.70	161.48	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b61a 166d 285f 0224 0e4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		5.28	974	86	2		90.70	160.94	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 b61a 16ad 283c 02a4 0f38 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
29.00	1113	98	7				112.50		150.75		7		RT		2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:02.510	Radar Report Msg	0b01 001c 0039 b674 1c20 25b0 0e80 1164 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
29.09	1114	98	3				112.58		150.67		3		RT		2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:02.530	Radar Report Msg	0b01 001c 0039 b688 1c25 25ab 0e8c 1168 0203 0300 0003 0003 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
2.91	1123	99	0				87.97	160.88	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b688 15fe 2838 0174 118c 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
46.66	1112	98	5				128.86	144.06	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b688 2037 2404 1754 1160 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
16.97	1123	99	3				101.27	155.13	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b688 1951 26c8 087c 118c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
36.22	1123	99	4				118.97	147.48	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 b688 1dbe 24df 121c 118c 0204 0400 0005 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:02.600	532	EJA631	2	4757	0		-278	-153	RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+11.77	+30.38	21	32.57	240 21	32.58	104.86	188.17	0	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
241	CST	CST	+0	+0	+0	+0	00000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:02.600	Active Track Maintenance Msg	1700 0058 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 05e3 0f31 0000 0000 ec29 f50d 0000 0f0f 2095 09ef 0f0f 2095 0000 1a37 2f0b 0001 0214 0001 0000 0000 0000 3f00 0201 1000 0000 0000 0000 0000 0100 0000 0000 0100

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09ef 0000 0172 ffff ffff 003c 026d 0000
		0000 0000 0000 0001 0001 0001 0001 0000 0000 0000 009a 0000 003e 01bd 0214 01a5
		0000 00ec 0000 01c8 005b 0124 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000 0100 0000 0001 0000
		0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 2fff 0100 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0702
		0101 0000 0000 0031 4335 3658 0000 0000 504d 4400 564e 5900 2020 2020 2020 2020
		2020 0000 454a 4136 3331 0000 0000 0039 3135 0000 0000 0000 0000 0020 0000 0000
		0000 2020 2000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
01:03:02.600	Delete Track Msg	1704 0008 00c9 0610

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:03:02.380	10	2.72	1161	102	0			87.72	160.86	0				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:02.600	Radar Report Msg	0b01 001c 0039 b6e2 15ee 2837 015c 1224 0200 0000 0000 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
		7.47	1179	104	1			92.19	158.38	1				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b6e2 170c 2798 03bc 126c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	2.91	1146	101	0			87.94	160.80	0				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b6e2 15fc 2833 0174 11e8 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.59	1170	103	4			92.34	158.41	4				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b6e2 1716 279a 03cc 1248 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:02.700	311	2	3275		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+25.88	-25.52	134	36.33	1531 135	36.34	104.28	130.58	226	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:02.700	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0cf0 f33d 0000 0000 0000 0000 0000 5fb8 2458 06bd 5fb8 2458 0000 1a12 20a5 101c 0137 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:02.700	245	2	5266		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+47.26	-3.70	94	47.39	1074 94	47.40	130.52	146.22	167	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+4029	+3900	+0	+4029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 7dea 0000 7dea 0000 0000 0000 0000 fbf7 0000 17a1 fe26 0000 0000
0000 0000 0000 432f 2f67 0ab6 432f 2f67 0000 20a1 248e 0bec 00f5 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:02.700	523	2		0646		-248	-88		RADAR-ONLY: NO

FIRMNESS: 34

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
+45.16	+0.55	89	45.13	1016 89	45.13	129.53	150.95	263	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
250	+13729	+13600	+13594	+13541	-11	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:02.700	Active Track Maintenance Msg	1700 0058 0001 a72d 0001 ad0a 0001 a8d4 0039 b5b9 fbf7 ffa5 1694 0047 0000 0000 ee54 f9af 0000 3f80 2d20 01a6 3f80 2d28 0000 2062 25bd 12c4 020b 0000 0000 00d1 091f 2200 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:02.820	101	2	3507	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+23.28	-31.34	143	39.00	1631 143	39.04	100.30	125.63	229	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:02.820	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0ba4 f055 0000 0000 0000 0000 0000 65f7 2709 0747 65f7 2709 0000 1913 1f68 104a 0065 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:02.820	527	2	4676	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+22.48	-28.30	141	36.07	1610 142	36.14	100.30	128.75	118	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2329	+2200	+0	+2329	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 48ca 0000 48ca 0000 0000 0000 0000 fbf7 0000 0b3e f1d9 0000 0000 0000 0000 0000 64a6 2425 09be 64a6 2425 0000 1913 2030 0875 020f 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:02.580	11	20.66	1242	109	1		102.86		150.38	1			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:02.820	Radar Report Msg	0b01 001c 0039 b7b4 19b7 2598 0a54 1368 0201 0100 0001 0000 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.31	1233	108	3				90.88	158.50	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b7b4 16b8 27a0 0328 1344 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
52.78	1246	110	5				129.39	132.20	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b7b4 2059 210d 1a64 1378 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.34	1290	113	1				91.41	157.42	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b7b4 16da 275b 03ac 1428 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
28.09	1388	122	7				105.00	141.44	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:02.830 Radar Report Msg 0b01 001c 0039 b7be 1a40 235c 0e0c 15b0 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X NM	SYSTEM Y NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
34.97	1345	118	4				111.34	138.06	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b7be 1bd6 2284 117c 1504 0204 0400 0004 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X NM	SYSTEM Y NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
20.63	1365	120	5				100.39	147.39	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b7be 1919 24d9 0a50 1554 0205 0500 0003 0102 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	32.69	1407	124	5			107.45	137.45	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b7be 1add 225d 1058 15fc 0205 0500 0005 0102 1d00 0000
01:03:02.920	Delete Track Msg	1704 0008 010d 0410

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:02.920	298	2		0771		-220	-5		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+31.78	-4.81	98	32.11	1120	98	32.12	115.25	149.16	220 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT Z FT/SEC/SEC	SLID WINDOW
268	+10229	+10100	+10124	+10060	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:02.920	Active Track Maintenance Msg	1700 0058 0001 3a64 0001 3faa 0001 3c62 0039 b630 fbf7 ff92 0fe4 fd98 0000 0000
		f04b ff93 0000 4607 201e 01f9 4620 2024 4032 1cd0 254a 0fb6 012a 0000 0000 0088
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:03:02.920	394	N121NA	2	1320	1320	1X	-115	+22	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+20.57 -3.34 99 20.82 1128 99 20.84 104.81 153.41 117 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
281 +5929 +5800 +5800 +5800 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 b540 0000 b94a 0000 b540 0039 b638 fbf7 0000 0a49 fe54 0000 0000 f7ce 019b 0000 468c 14d8 02d0 4690 14d8 0000 1a34 265a 085a 018a 0000 0000 0000 0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 02d0 0015 003c 003c 003c 0000 023d 0000
0000 0000 0000 0000 0000 0024 0005 0000 0000 0000 02db 0000 001a 015e 018a 0099
018b 0027 0000 0113 0248 0168 0000 0000 0000 0000 0000 0000 0000 020e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 a4ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5041 3434 0000 0000 5241 4c00 5344 3800 2020 2020 2020 2020
2020 0000 4e31 3231 4e41 0000 0000 0036 3932 0000 0058 0000 0000 0020 0000 0046
3036 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:02.920 519 2 1631 -143 -117 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+54.57 -8.00 98 55.14 1118 98 55.11 136.50 140.28 185 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
230 +8029 +7900 +7900 +7901 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 f6ea 0000 faea 0000 f6e6 0039 b62c fbf7 0001 1b49 fc00 0000 0000

f5ca f7ac 0000 45e2 371d 0399 45f0 3728 0000 2220 2312 0d2d 0207 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:02.920	339	2	2201		-234	-103			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+51.81	-11.38	102	53.04	1165 102	53.02	132.97	137.72	256	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
246	+9129	+9000	+8953	+8869	-18	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 1529 0001 1d4a 0001 17c9 0039 b660 fbf7 ff6f 19e8 fa4f 0000 0000
		ef58 f89d 0000 48df 3505 0481 48d0 350c 0000 213e 226e 1239 0153 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:03.040	361	2	4631		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+3.76	-15.27	166	15.70	1890 166	15.72	85.52	146.13	135	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+629	+500	+0	+629	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:03.040	Active Track Maintenance Msg	1700 0058 0000 13aa 0000 13aa 0000 0000 0000 0000 fbf7 0000 01e1 f85e 0000 0000 0000 0000 0000 762a 0fb8 0999 762a 0fb8 0000 1561 2488 099d 0169 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:03.040	328	2	6655		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+21.66	-23.25	137	31.75	1559 137	31.78	100.80	133.84	207	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2029	+1900	+0	+2029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 3f6a 0000 3f6a 0000 0000 0000 0000 fbf7 0000 0ad5 f460 0000 0000
0000 0000 0000 6170 1fc7 0dad 6170 1fc7 0000 1933 2176 0ebd 0148 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:03.040	207	N8451R	2	4647	4647	1X	-102	+21	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+8.16	-3.05	110	8.66	1257 111	8.70	92.84	156.86	104	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
281	+6029	+5900	+5906	+5908	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:03.040	Active Track Maintenance Msg	1700 0058 0000 b8a3 0000 bc6a 0000 b894 0039 b6c8 fbf7 0003 0414 fe7a 0000 0000
		f8b2 018b 0000 4e9f 08b4 09a7 4e90 08b4 0807 1736 2737 0777 00cf 0000 0000 7b30
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09a7 0015 003c 003c 003c 0028 0068 0000
		0000 0000 0000 0000 0000 0026 0001 0000 0000 0000 00b0 0000 0037 00e1 00cf 0041
		0000 0044 0000 01bb 0036 00bd 0000 0000 0000 0000 0000 0000 0000 020c ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
		0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
		0001 0000 0000 0043 5032 3841 0000 0000 504f 4300 5656 5600 2020 2020 2020 2020
		2020 0000 4e38 3435 3152 0000 0000 0036 3633 0000 0058 0000 0000 0020 5656 5600
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:03.040	389	2	1654	-204	-93				RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4
+45.31	-14.35	107	47.52	1224 108	47.45	125.94	136.50	224	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
245	+8929	+8800	+8818	+8818	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 1392 0001 170a 0001 1392 0039 b6a3 fbf7 0000 16a8 f8d3 0000 0000 f17b f951 0000 4c87 2f74 03ac 4c80 2f88 0000 1f7c 2220 0ffc 0185 0000 0000 0000 041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:03.040	280	2	6737		+506	+109			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+46.68	-20.69	114	51.01	1296 114	51.04	125.55	130.11	517	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
77	+25800	+25800	+25812	+25920	+22	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0003 2a01 0003 2640 0003 26a5 0039 b6f4 0000 00b7 1757 f5a8 0000 0000
23fd 07c3 ffff 5102 3309 0ddf 5100 3310 0000 1f63 2087 24d1 0118 0000 0000 0000
061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:03.040 590 2 4624 +6 -114 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+34.15 -13.54 111 36.70 1268 111 36.86 115.36 140.11 114 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
176 +2929 +2800 +2800 +2800 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 5786 0000 5b8a 0000 5785 0039 b6d6 fbf7 0000 1113 f93b 0000 0000
007c f7df 0000 4f47 24dd 0994 4f60 24bc 0000 1cd7 2307 0825 024e 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:03.040 431 2 2734 -35 -131 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+33.23 -18.02 118 37.75 1349 119 37.80 113.33 136.00 136 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
195	+2529	+2400	+2373	+2336	-7	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 4905 0000 4f0a 0000 4a2b 0039 b72e fbf7 ffc1 109d f6fd 0000 0000 fd73 f6ac 0000 5456 25cc 05dc 5440 25cc 0000 1c55 2200 09ac 01af 0000 0000 0000 041f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:03.040	55	2	7230		-245	-100			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+17.99	-10.05	119	20.54	1355 119	20.62	100.61	147.58	264	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
247	+5529	+5400	+5432	+5300	-28	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:03.040	Active Track Maintenance Msg	1700 0058 0000 a5a1 0000 acca 0000 a9c6 0039 b737 fbf7 ff19 08ff fafa 0000 0000 ee8f f8df 0000 54ba 149f 0e98 54c0 149c 1646 1927 24e5 12d8 0037 0000 0000 0300 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:02.830	13	38.19	1451	128	7		109.14	131.69	7			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:03.040	Radar Report Msg	0b01 001c 0039 b840 1b49 20ec 1318 16ac 0207 0700 0005 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	10.41	1491	131	3			91.55	153.34	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b840 16e3 2656 0534 174c 0203 0300 0004 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	38.19	1467	129	7					108.39			131.13	7		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b84a 1b19 20c8 1318 16ec 0207 0700 0005 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.03	1530	134	3					90.84			153.34	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:03.050	Radar Report Msg	0b01 001c 0039 b8a4 16b6 2656 0504 17e8 0203 0300 0003 0003 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.25	1534	135	4			87.75	158.45	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b8a4 15f0 279d 0220 17f8 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:03.030	14	3.25	1690	149	7		86.58	159.14	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:03.260	Radar Report Msg	0b01 001c 0039 b976 15a5 27c9 01a0 1a68 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	19.09	1731	152	3			90.11	143.31	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b976 1687 23d4 098c 1b0c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.00	1718	151	2			86.67	158.30	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 b976 15ab 2793 0200 1ad8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
						ALT	X NM	Y NM	STAT						
	5.03	1763	155	1			86.63	157.16	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b976 15a8 274a 0284 1b8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
						ALT	X NM	Y NM	STAT						
	4.09	1787	157	1			86.30	158.11	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 b976 1593 2787 020c 1bec 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:03.360	561	2	4745	-156	+113				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
+18.75	-19.10	135	26.74	1541 135	26.77	99.06	138.64	193	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
306	+6629	+6500	+6489	+6377	-23	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:03.360	Active Track Maintenance Msg	1700 0058 0000 c74e 0000 cf2a 0000 caca 0039 b808 fbf7 ff41 0960 f673 0000 0000
		f4e8 0814 0001 605b 1ac4 09e5 6060 1ac4 10b0 18c4 22a9 0dba 0231 0000 0000 0000
		071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:03.360	329	2	4657	-135	+177				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+26.15	-27.38	136	37.84	1551 136	37.87	104.11	128.75	223	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
322	+7029	+6900	+6900	+6900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 d7a0 0000 dbaa 0000 d7a0 0039 b812 fbf7 0000 0d13 f250 0000 0000
f666 0ca0 0000 60f5 25de 09af 60f0 25dc 0001 1a07 2030 0fdc 0149 0000 0000 a3a0
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:03.360	98	2	3253		+195	+48			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+6.96	-9.09	142	11.41	1619 142	11.43	90.19	151.31	201	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
76	+6329	+6200	+6211	+6118	-20	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 bf37 0000 c5ca 0000 c21a 0039 b862 fbf7 ff5d 037b fb75 0000 0000
0de3 036a ffff 6533 0b6f 06ab 6560 0b74 1ff3 168c 25d4 0e4d 0062 0000 0000 0303
061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:03.360 597 2 -161 +95 RADAR-ONLY: NO
FIRMNESS: 28
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 3
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: NO
+38.66 -4.86 97 38.92 1105 97 38.97 121.94 147.34 187 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
300 CST CST +3394 +3478 +18 +0 00110

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 6cb3 0000 6b2a 0000 6a10 0039 9257 fbf7 0092 1355 fd92 0000 0000
f487 06c3 0000 4519 26f9 09b5 4530 2780 a008 1e7c 24d6 0d51 0255 0000 0000 0e0c
0306 1c00 0203 1001 0303 0000 0000 0001 0100 0000 0000 0101

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:03.360 333 2 +79 -25 RADAR-ONLY: NO
FIRMNESS: 15
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 3
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: NO
+11.06 -0.80 93 11.09 1070 94 11.09 96.16 158.31 83 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
107	CST	CST	+1800	+1800	+0	+0	00000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 3840 0000 0000 0000 3840 0039 8013 fbf7 0000 0588 ff9a 0000 0000 05af fe2b 0000 42ef 0b18 0280 42a0 0ac8 0038 180a 2794 05f9 014d 0000 0000 0400 0300 0f00 0203 1001 0300 0000 0000 0001 0100 0000 0100 0100

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:03.240	16	3.91	1835	161	1		86.02		158.30	1			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:03.480	Radar Report Msg	0b01 001c 0039 ba02 1581 2793 01f4 1cac 0201 0100 0001 0000 1d00 0000

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TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	22.72	1827	161	3				87.64		139.27	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ba02 15e9 22d1 0b5c 1c8c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	9.56	1887	166	5				85.67		152.41	5		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ba02 156b 261a 04c8 1d7c 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	4.09	1859	163	1				85.89		158.08	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ba02 1579 2785 020c 1d0c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	5.28	1885	166	2				85.73		156.81	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 ba02 156f 2734 02a4 1d74 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	21.78	1911	168	5			84.77		140.14		5		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ba02 1531 2309 0ae4 1ddc 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:03.580	7	2	1275		+7	-10			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+41.65	-14.46	109	44.05	1241 109	44.13	122.36	137.31	13	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
144	+0	+0	+0	+0	+0	00000	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:03.580	Active Track Maintenance Msg	1700 0058 0000 0000 0000 0000 0000 0000 0039 b6b7 0000 0000 14d3 f8c5 0000 0000 008d ff3d 0000 4d99 2c21 02bd 4da0 2c18 4048 1e97 2254 00f1 0007 0000 0000 000c 0000 2600 0203 1000 0300 0100 0000 0001 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:03.580	530	2	4643		-269	+195			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+25.80	-46.02	150	52.71	1715 151	52.77	99.03	110.89	332	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
305	+20000	+20000	+20000	+20000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:03.580 Active Track Maintenance Msg 1700 0058 0002 7100 0002 7100 0002 7100 0039 b8cb 0000 0000 0ce6 e8fd 0000 0000
ecd4 0de1 0000 6b38 34c4 09a3 6b30 34c4 0000 18c2 1bb9 17ab 0212 0000 0000 ffa3
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:03.580	278	2	4613		+247	+77			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5
+14.11	-22.20	147	26.27	1680 148	26.33	93.78	136.80	258	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
72	+6029	+5900	+5912	+5957	+9	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 ba29 0000 bc6a 0000 b8c4 0039 b8a2 fbf7 004e 070e f4e6 0000 0000
1192 057d 0000 6905 1a55 098b 68f0 1a50 0001 1772 2233 1268 0116 0000 0000 b30e
051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:03.580 312 2 3220 -91 -147 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 6
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+8.01 -13.88 150 16.02 1706 150 16.18 90.00 146.39 173 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
211 +2529 +2400 +2395 +2286 -23 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 4773 0000 4f0a 0000 4add 0039 b8c2 fbf7 ff45 0401 f90f 0000 0000
f97c f57f 0001 6aa3 102d 0690 6ab0 1008 1d00 1680 2499 0c5c 0138 0000 0000 1f82
061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:03.580 219 2 1060 -397 -157 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+6.03 -15.56 159 16.68 1805 159 16.68 87.55 146.23 427 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
248	+35000	+35000	+35000	+35000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 45c0 0004 45c0 0004 45c0 0039 b932 0000 0000 0304 f838 0000 0000 e3c1 f4d4 0000 70df 10ae 0230 70f0 10b0 0b01 15e3 248f 1e60 00db 0000 0000 16b0 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:03:03.580	Delete Track Msg	1704 0008 01cc 0210
	Delete Track Msg	1704 0008 014d 0210

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:03.360	17	18.92	2027	178	7	4614-0	000-18	000	81.58	143.45	7	W		RB	0

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Beacon Report Msg	0b02 002c 0039 bac0 0000 0000 0000 098c 1465 23dd 0976 1fac 0207 0700 0312 0000 7f00 0000 0001 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
4.16	2005	176	2		85.05		158.08	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:03.590	Radar Report Msg	0b01 001c 0039 bac0 1543 2785 0214 1f54 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
5.19	2074	182	1		84.33		157.13	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 bac0 1515 2748 0298 2068 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
20.16	2115	186	3		78.70		143.03	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:03.600	Radar Report Msg	0b01 001c 0039 baca 13ad 23c2 0a14 210c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
5.38	2090	184	2		84.16		156.97	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:03.700 Radar Report Msg 0b01 001c 0039 bb38 150a 273e 02b0 20a8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.06	2139	188	3				83.92	157.41	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 bb38 14fb 275a 0288 216c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	31.34	2167	190	5				72.47	133.50	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 bb38 121e 2160 0fac 21dc 0205 0500 0003 0102 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
4.44	2218	195	1			83.72	158.25	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 bb38 14ee 2790 0238 22a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
13.47	2227	196	3			79.00	150.31	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 bb38 13c0 2594 06bc 22cc 0203 0300 0004 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:03.920	176	2	4772		+205	+69			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PRED_AZIM DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+1.70	-11.07	171	11.19	1945	171	11.18	84.61	150.73	216	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
71	+5629	+5500	+5536	+5352	-51	-5	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:03.920	Active Track Maintenance Msg	1700 0058 0000 a744 0000 afea 0000 ad02 0039 b9d2 fbf7 fe64 00d9 fa77 0000 0000

0e98 04ed ffd8 7992 0b2f 09fa 79d0 0b34 0000 1527 25af 0f68 00b0 0000 0000 0000
041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:03.920	449	2	7242		-307	+154			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+3.91	-35.70	173	35.89	1978 174	35.92	80.56	126.69	344	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
296	+32000	+32000	+32006	+32136	+28	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0003 ec45 0003 e800 0003 e835 0039 b9f2 0000 00e1 01f4 ee26 0000 0000
		ea23 0b01 0000 7ba6 23eb 0ea2 7b90 23ec 0000 1424 1fac 187a 01c1 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:03.920	160	2	4645		+48	+300			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
+0.94	-17.95	177	17.96	2012 177	18.02	82.14	144.31	304	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
9	+11029	+10900	+10887	+11044	+34	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 5922 0001 58aa 0001 543c 0039 ba1b fbf7 0111 0078 f706 0000 0000
		036f 1566 0001 7dc3 1205 09a5 7de0 11fc 0004 1489 2414 15ac 00a0 0000 0000 0001
		081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:03.920	310	2	1051		+417	+103			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
+0.36	-33.39	179	33.38	2041 179	33.41	77.70	129.61	429	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
76	+20100	+20100	+20096	+20265	+36	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0002 794b 0002 7420 0002 7406 0039 ba3a 0000 0125 002e ef4e 0000 0000
1da8 075c 0000 7f9e 2169 0229 7f90 2164 2a53 136d 2067 1e8f 0136 0000 0000 7100
081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:03.920	580	2	4614		-70	+67			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: NO
+0.61	-18.91	178	18.88	2021 178	18.84	81.59	143.47	97	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
313	+0	+3939	+3975	+7	+0	00000	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 7c39 0000 0000 0000 7b19 0039 ba2a 0000 003e 004e f68b 0000 0000 faf7 04d1 0000 7e5b 12d6 098c 7eb0 12ec 0001 1466 23de 06f8 0244 0000 0000 0100 0300 2600 0203 1000 0300 0100 0000 0001 0001 0000 0000 0100

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:03.570	18	4.44	2243	197	1			83.59		158.33	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:03.920	Radar Report Msg	0b01 001c 0039 bc0a 14e6 2795 0238 230c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		11.59	2275	200	3			79.25		152.39	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 bc0a 13d0 2619 05cc 238c 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:04.020	406	2	4622	-135	+1				RADAR-ONLY: NO

FIRMNESS: 20

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PRED_AZIM DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5
+13.61	-21.94	148	25.79	1685	148	25.81	93.38	137.19	135	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID

DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
270	+4029	+3900	+3900	+3900	+0	+0	00111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:04.020	Active Track Maintenance Msg	1700 0058 0000 79e0 0000 7dea 0000 79e0 0039 b8aa fbf7 0000 06ce f508 0000 0000 f660 0018 0000 6950 19d0 0992 6960 19d0 5858 1758 224c 09a0 0196 0000 0000 02d8 0507 1400 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:03.920	20	5.56	2531	222	1		81.30		158.95	1		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:04.140	Radar Report Msg	0b01 001c 0039 bce6 1453 27bd 02c8 278c 0201 0100 0001 0000 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
12.72	2503	220	6				75.48	154.55	6		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 bcfa 12df 26a3 065c 271c 0206 0600 0004 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
29.94	2531	222	7				60.67	145.61	7		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 bcfa 0f2b 2467 0ef8 278c 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
16.06	2492	219	7				72.89	152.38	7		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 bcfa 1239 2618 0808 26f0 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.56	2506	220	1				81.41	158.78	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 bcfa 145a 27b2 02c8 2728 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	4.09	2563	225	3			82.52		159.95		3		RT		2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 bcfa 14a1 27fd 020c 280c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.97	2582	227	4			80.72		159.11		4		RT		2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 bcfa 142e 27c7 02fc 2858 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:04.240	49	2	6311		+376	-90			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
-15.40	-43.02	199	45.66	2270 200	45.68	60.00	124.16	386	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
103	+12229	+12100	+12093	+11995	-21	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:04.240	Active Track Maintenance Msg	1700 0058 0001 76db 0001 7e2a 0001 79ea 0039 bb3e fbf7 ff57 f84d ea7d 0000 0000
		1abf f98b 0000 8de1 2dae 0cc9 7fff 2db4 0039 0f00 1f0a 1b84 0031 0000 0000 2015
		091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:04.240	379	2	6312		+308	-9			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-10.16	-12.48	219	16.04	2491 219	16.04	72.84	152.38	308	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
91	+9829	+9700	+9723	+9594	-35	-3	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:04.240 Active Track Maintenance Msg 1700 0058 0001 2bd0 0001 332a 0001 2fdb 0039 bc36 fbf7 fee4 faec f9c2 0000 0000
15e9 ff54 ffe7 9bb0 100a 0cca 7fff 1018 0000 1236 2618 15ec 017b 0000 0000 00a3
041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:04.020	21	7.09	2659	234	1		79.34		159.28	1		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:04.250	Radar Report Msg	0b01 001c 0039 bd5e 13d6 27d2 038c 298c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	29.16	2627	231	3			59.27		149.80	3		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 bd5e 0ed1 2573 0e94 290c 0203 0300 0003 0003 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.22	2666	234	1				79.20	159.31	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 bd5e 13cd 27d4 039c 29a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
23.28	2666	234	3				64.09	153.52	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 bd5e 1006 2661 0ba4 29a8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
4.38	2713	238	2				81.88	160.66	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 bd5e 1478 282a 0230 2a64 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:04.360	275	2		0257		+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X	DISPLAY NM	DISPLAY Y	DISPLAY NM	PRED_AZIM AZI DEG	PREDICTED RANGE NM	SYSTEM ACP	SYSTEM DEG	SYSTEM RANGE NM	SPEED X NM	SPEED Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES

+36.56 +0.34 89 36.56 1017 89 36.56 121.20 152.86 86 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1729	+1600	+0	+1729	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:04.360	Active Track Maintenance Msg	1700 0058 0000 360a 0000 360a 0000 0000 0000 0000 fbf7 0000 1248 002c 0000 0000 0000 0000 0000 3f9d 2490 00af 3f9d 2490 0000 1e4d 2637 0627 0113 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR SYSTEM	SYSTEM PROC	STR	SC	TYP	SYS
01:03:04.140	22	8.72	2747	241	4		77.45		159.78	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:04.360	Radar Report Msg	0b01 001c 0039 bdcc 135d 27f2 045c 2aec 0204 0400 0001 0303 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
15.75	2747	241	2				70.56	158.08	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 bdcc 11a4 2785 07e0 2aec 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
2.00	2797	246	5				84.61	161.64	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 bdcc 1527 2869 0100 2bb4 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
46.22	2811	247	4				40.08	155.20	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 bdcc 0a05 26cd 171c 2bec 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
24.72	2755	242	1				61.77	156.20	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg	0b01 001c 0039 bdcc 0f71 270d 0c5c 2b0c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	10.91	2787	245	1			75.16		159.89		1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 bdcc 12ca 27f9 0574 2b8c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:04.470	304	2	7342		-312	+155			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-24.21	-22.49	227	32.99	2583 227	33.05	57.09	146.45	348	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
296	+35000	+35000	+34977	+34974	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:04.470	Active Track Maintenance Msg	1700 0058 0004 44f3 0004 45c0 0004 450f 0039 bc9d 0000 fffb f3e5 f4c1 0000 0000 e9cf 0b0e 0000 a178 210e 0ee2 7fff 210c 0bc4 0e46 249d 18cb 0130 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	28.16	2803	246	3			58.02	157.45	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:04.480	Radar Report Msg	0b01 001c 0039 be30 0e81 275d 0e14 2bcc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	15.22	2839	250	4			70.72	160.30	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 be30 11ae 2813 079c 2c5c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	15.03	2864	252	2			70.86		160.89		2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 be30 11b7 2839 0784 2cc0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	12.00	2835	249	3			73.95		160.56		3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 be30 127d 2824 0600 2c4c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
59.59	2916	256	4			26.22	162.84	4		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 be30 068e 28b6 1dcc 2d90 0204 0400 0005 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:04.680	8	2	1273	-1	+0				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-37.78	-33.20	228	50.26	2602	229	50.29	40.83	139.30	1 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
265	-899	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:04.680	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e3e1 ffff e3e1 0039 bcb1 0000 0000 ed1c ef67 0000 0000
		ffe6 fffe 0000 a2a0 324b 02bb 7fff 324c 0000 0a35 22d3 001a 0008 0000 0000 001c
		0a1f 2603 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:04.470	24	6.41	3018	265	3		79.66	162.91	3	RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:04.700	Radar Report Msg	0b01 001c 0039 bf20 13ea 28ba 0334 2f28 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	ALT NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	13.75	3119	274	4			72.84		166.23	4			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:04.700	Radar Report Msg	0b01 001c 0039 bf20 1236 298f 06e0 30bc 0204 0400 0001 0303 1d00 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:04.800 586 2 4673 +308 +27 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-22.09 -12.24 241 25.20 2741 241 25.27 61.36 155.61 309 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
85 +10929 +10800 +10816 +10732 -23 -2 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:03:04.800 Active Track Maintenance Msg 1700 0058 0001 4f61 0001 558a 0001 5205 0039 bd4e fbf7 ff43 f4f4 f9e1 0000 0000
15f0 01f0 ffee ab5c 1945 09bb 7fff 1944 0000 0f57 26e7 1606 024a 0000 0000 001c
041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:04.800 591 N31F 2 0260 0260 1Y +48 +65 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-8.33 -3.95 244 9.20 2785 245 9.16 76.72 160.13 81 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: YES
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
36 +2229 +2100 +2115 +2195 +17 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 4499 0000 45aa 0000 421d 0039 bd7c fbf7 008a fbd6 fe06 0000 0000
0377 04ac 0000 ae1e 092a 00b0 7fff 0938 0003 132e 2808 05d1 024f 0000 0000 0100
041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 00b0 008a 0104 ffff ffff 003d 000e 0000
0000 0000 0000 0000 0000 008a 008a 0000 0000 0000 0000 0000 00c9 0215 024f 015c
0000 00b1 0000 013a 00d7 00d5 0000 0000 0000 0000 0000 0000 0000 0448 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0004 2020 2fff 0000 0000 0000 0000 0000 0000 0000 0000 0001 0702
0001 0000 0000 0043 0000 0000 0000 0000 0000 0000 564e 5900 2020 2020 2020 2020
2020 0000 4e33 3146 0000 0000 0000 0000 0000 0000 0059 0000 0000 0020 564e 5900
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:04.800 173 2 6307 +498 -221 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-19.35 -8.89 245 21.25 2791 245 21.30 65.47 158.25 545 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
114 +33000 +33000 +33000 +33000 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0004 0740 0004 0740 0004 0740 0039 bd85 0000 0000 f653 fb8e 0000 0000
2372 f037 0000 ae76 154c 0cc7 7fff 154c 2364 105e 2790 26cd 00ad 0000 0000 0103
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:04.800 319 OPT708 2 4725 4725 1W +128 +28 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-2.23 -0.89 248 2.36 2819 248 2.39 83.39 161.53 131 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
77 +1429 +1300 +1310 +1246 -13 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 26f5 0000 2caa 0000 28f3 0039 bda8 fbf7 ff92 fee2 ff8e 0000 0000
0924 020f 0000 b03c 0264 09d5 7fff 0268 0cd8 14d9 2862 095f 013f 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0004 0000 0000 0000 0202 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0003
0000 0200 0000 0600 0000 0000 0000 0000 8000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09d5 0003 0122 ffff ffff 002a 0168 0000
0000 0000 0000 0253 0000 0001 0001 0000 0000 0000 005b 0000 00d8 0058 013f 00c5
0000 00be 0000 010d 008c 01a6 0000 0000 0000 0000 0000 0000 0000 022e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 03ff 0100 0000 0000 0000 0000 0100 0000 0000 0001 0001 0502
0001 0000 0000 0031 4245 3430 0000 0000 504d 4400 4255 5200 2020 2020 2020 2020
2020 0000 4f50 5437 3038 0000 0000 0032 3931 0000 0057 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:04.800 545 N4171H 2 4706 4706 0 -157 -21 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-20.81 -5.30 255 21.46 2910 256 21.48 64.30 161.97 158 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
262 +4029 +3900 +3900 +3900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:03:04.800 Active Track Maintenance Msg 1700 0058 0000 79e0 0000 7dea 0000 79e0 0039 be0a fbf7 0000 f598 fd59 0000 0000
f4d2 fe81 0000 b5e0 157b 09c6 7fff 157c 4050 1013 287e 0b48 0221 0000 0000 000c
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09c6 0000 0028 0028 0028 001e 003d 0000
0000 0000 0000 0000 0000 0001 0003 0000 0000 0000 0068 0000 00fa 020a 0221 0235
0000 0102 0000 00a7 0144 0075 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 21ff 0600 0000 0000 0000 0000 0100 0000 0000 0001 0000 0502
0001 0000 0000 0036 4d32 3050 0000 0000 5748 5000 4f58 5200 2020 2020 2020 2020
2020 0000 4e34 3137 3148 0000 0000 0034 3534 3234 3400 0000 0000 0020 4f58 5200
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE ASSIGNED	BEACON CODE REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:04.900	511		2		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+20.27	-1.89	95	20.34	1084 95	20.36	104.89	154.84	113	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	CST	CST	+0	+1529	+0	+0	11110

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:04.900	Active Track Maintenance Msg	1700 0058 0000 2fca 0000 2fca 0000 0000 0000 0000 fbf7 0000 0a23 ff0e 0000 0000 0000 0000 0000 43c9 145c 0a82 43c9 145c 0000 1a39 26b6 0811 01ff 0001 0000 0000 001e 3f00 0203 1000 0303 0000 0000 0001 0100 0000 0000 0100

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:04.570	25	12.84	3139	276	1		73.84	166.31	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:04.900	Radar Report Msg	0b01 001c 0039 bfe8 1276 2994 066c 310c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	13.47	3130	275	1			73.19	166.36	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 bfe8 124c 2997 06bc 30e8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	13.31	3133	275	2			73.36	166.36	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 bfe8 1257 2997 06a8 30f4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	20.41	3210	282	3			67.61	171.00	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:04.920 Radar Report Msg 0b01 001c 0039 bff2 10e7 2ac0 0a34 3228 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	10.13	3259	286	1					77.22	167.00	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 bff2 134e 29c0 0510 32ec 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	10.13	3235	284	1					77.03	166.67	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 bff2 1342 29ab 0510 328c 0201 0100 0001 0000 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
12.53	3283	289	3			75.38	168.64	3		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 bff2 12d8 2a29 0644 334c 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: OVR
01:03:05.120	274	N8063T	2	4763	4763	1V	+116	+40	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-19.17	-3.91	258	19.51	2941 258	19.56	66.27	162.92	123	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
71	+6229	+6100	+6126	+6174	+10	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:05.120	Active Track Maintenance Msg	1700 0058 0000 c0f0 0000 c2aa 0000 bf72 0039 be2e fbf7 0053 f66a fe0c 0000 0000
		084e 02de 0000 b7d0 138f 09f3 7fff 1390 4056 1091 28bb 08c9 0112 0000 0000 0058
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0800 0000 0000 0000 0000 0000 0040 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09f3 0005 0032 ffff 0032 002c 022a 0000
		0000 0000 0000 0187 0000 0003 0015 0000 0000 0000 00ae 0000 0070 0245 0112 00cb
		0000 002d 0000 0194 0133 0144 0000 0000 0000 0000 0000 0000 0000 042f ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 00ff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0036 5041 3332 0000 0000 4f58 5200 4844 4600 2020 2020 2020 2020
2020 0000 4e38 3036 3354 0000 0000 0030 3030 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:05.120	475	N6887L	2	4714	4714	1W	+183	+12	ARR RADAR-ONLY: NO FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-21.81	-1.67	265	21.87	3021 266	21.87	64.27	165.73	184	INHIBIT MSAW PROCESS: NO INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
86	+4929	+4800	+4818	+4818	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 9690 0000 9a0a 0000 9690 0039 be89 fbf7 0000 f518 ff2a 0000 0000 0d13 00dd 0000 bcd5 15de 09cc 7fff 15e0 0000 1011 296f 0d1a 01db 0000 0000 0058 041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0002 0000 0000 0000 0000 0000 0004 0000 0000 0000 0000 0000 0000 0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 2000 0000 0000 0000 0000 0000 0000 0080 0010 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 09cc 0003 0000 ffff 0032 0038 0253 0000 0000 0000 0000 0081 0000 0003 0000 0000 0000 0000 00f2 0000 0014 0138 01db 00c3 0000 0000 0000 0062 0054 01c9 0000 0000 0000 0000 0000 0000 0000 025c ffff 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000 0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0006 2000 1dff 0600 0000 0000 0000 0000 0100 0000 0000 0001 0001 0502 0001 0000 0000 0036 4334 3231 0000 0000 4f58 5200 4343 4200 2020 2020 2020 2020 2020 0000 4e36 3838 374c 0000 0000 0037 3937 0000 0057 0000 0000 0020 0000 0000 0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:05.120	297	2	1056		-22	+112			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-40.91	-3.70	264	41.04	3014 265	41.07	45.28	168.61	114	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
348	+5129	+5000	+5036	+5090	+11	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 9f10 0000 a04a 0000 9d65 0039 be7f fbf7 005d eb8c fe26 0000 0000 fe69 0802 0000 bc62 2912 022e 7fff 2914 0000 0b52 2a27 082a 0129 0000 0000 a880 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:05.120	9	2	1275		+5	-4			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-12.51	-10.99	228	16.61	2601 229	16.69	70.89	154.38	7	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
131	-470	-599	-599	-599	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 ffff ed41 ffff f14b ffff ed41 0039 bcb1 fbf7 0000 f9bf fa81 0000 0000
		0065 ffa7 0000 a299 10b0 02bd 7fff 10a8 0000 11b9 2698 0086 0009 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:05.120	491	2	1022		+0	+0			RADAR-ONLY: NO
									FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0
-0.50	-16.14	181	16.13	2068 182	16.14	81.17	146.36	174	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
0	+1729	+1600	+0	+1729	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:05.120	Active Track Maintenance Msg	1700 0058 0000 360a 0000 360a 0000 0000 0000 0000 fbf7 0000 ffc0 f7ee 0000 0000
		0000 0000 0000 8143 1025 0212 8143 1025 0000 144b 2497 0c6b 01eb 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:04.810	26	13.94	3282	288	4		74.17	169.39	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:05.130	Radar Report Msg	0b01 001c 0039 c074 128b 2a59 06f8 3348 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE--- ASSIGNED	BEACON CODE--- REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:05.240	87	CPF420	2	4664	4664	1X	+78	-61	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-5.99	+0.66	276	5.97	3143 276	6.04	80.17	163.98	99	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
128	+4429	+4300	+4267	+4329	+13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:05.240	Active Track Maintenance Msg	1700 0058 0000 874d 0000 8a6a 0000 855c 0039 bf13 fbf7 006d fd01 0054 0000 0000 0596 fb9b 0000 c479 060b 09b4 7fff 0608 0000 140b 28ff 071c 0057 0000 0000 001c 0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09b4 0015 0032 0032 0032 003c 017c 0000
0000 0000 0000 0000 0000 0001 0026 0000 0000 0000 00ed 0000 01b0 009b 0057 0201
0000 016b 0000 0010 0184 0185 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2eff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 4332 3036 0000 0000 5748 5000 544f 4100 2020 2020 2020 2020
2020 0000 4350 4634 3230 0000 0000 0035 3634 0000 0058 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:05.240 362 2 0006 +346 -308 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-31.92 +6.80 282 32.58 3207 282 32.60 56.73 176.45 463 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
131 +17329 +17200 +17242 +17175 -14 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0002 18be 0002 1d8a 0002 1ad4 0039 bf5c fbf7 ff8c f00a 0367 0000 0000

189f ea0c 0000 c87e 2099 0006 7fff 20a4 0001 0e2f 2c1d 20fc 016a 0000 0000 ad6e
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:05.030	28	6.63	3310	291	5				80.55	165.56	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:05.240	Radar Report Msg	0b01 001c 0039 c0ce 1423 2964 0350 33b8 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		7.19	3421	301	4				80.84	166.81	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 c0ce 1436 29b4 0398 3574 0204 0400 0001 0303 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.28	3424	301	2				80.80	166.91	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 c0ce 1433 29ba 03a4 3580 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
44.28	3437	302	5				55.45	194.06	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:05.250	Radar Report Msg	0b01 001c 0039 c146 0ddd 3084 1624 35b4 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.19	3440	302	4				81.00	166.95	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 c146 1440 29bd 0398 35c0 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
8.94	3517	309	4				80.58	168.92	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg	0b01 001c 0039 c146 1425 2a3b 0478 36f4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	45.16	3467	305	4			56.41		196.08		4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 c146 0e1a 3105 1694 362c 0204 0400 0005 0003 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:05.340 84 N774CS 2 3376 3376 1W +149 -147 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-24.25 +7.72 287 25.44 3272 288 25.45 64.31 175.42 209 INHIBIT MSAW PROCESS: YES
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
134 +10329 +10200 +10231 +10188 -9 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:03:05.340 Active Track Maintenance Msg 1700 0058 0001 3e66 0001 42ca 0001 3fbb 0039 bfa4 fbf7 ffb6 f3e0 03dc 0000 0000
0a9d f586 0000 cc8d 1973 06fe 7fff 1974 0000 1014 2bdb 0eea 0054 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 06fe 0003 012c ffff f830 0037 01ab 0000
0000 0000 0000 00db 0000 0007 002e 0000 0000 0000 00a9 0000 0215 0249 0054 0250
0000 0000 0000 005e 0091 014a 0000 0000 0000 0000 0000 0000 0000 03cb ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2056 2eff 0000 0000 0000 0000 0000 0101 0003 0000 0001 0001 0502
0001 0000 0000 0043 4332 3130 0000 0000 5341 3900 544f 4100 2020 2020 2020 2020
2020 0000 4e37 3734 4353 0000 0000 0036 3032 0000 0057 0000 0000 0020 0000 004f
4646 5620 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:05.340 194 DDA77 2 4043 4043 0 +420 -328 RADAR-ONLY: NO
FIRMNESS: 35
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 6
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-49.36 +23.06 295 54.44 3356 295 54.45 43.97 196.58 533 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
128 +22700 +22700 +22722 +22369 -77 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0002 bb0f 0002 c560 0002 c616 0039 c002 0000 fd95 e752 0b88 0000 0000
1df0 e8a9 fffe d1ce 3674 0823 7fff 367c 0000 0afe 3125 25f6 00c2 0000 0000 0000
061f 2300 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0823 0000 0136 ffff 0172 0044 0204 0000
		0000 0000 0000 0000 0000 0007 0007 0000 0000 0000 00ab 0000 0000 0000 00c2 0000
		0000 0000 0000 00c8 0155 0189 0000 0000 0000 0000 0000 0000 0000 023d ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0100 0000 0100 0000 0000 0000 0100 0000 0100 0000 0100 0000
		0100 0000 0001 0000 0001 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0005 2000 2fff 0000 0000 0000 0000 0000 0100 0000 0000 0001 0000 0102
		0001 0000 0000 0043 4c4a 3335 0000 0000 4649 4d00 564e 5900 2020 2020 2020 2020
		2020 0000 4444 4137 3700 0000 0000 0033 3535 0000 0000 0000 0000 0020 0000 0000
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG X	QUA NM	BEACON Y	ALT NM	COR STAT	SYSTEM X	SYSTEM Y	PROC	STR	SC	TYP	SYS
01:03:05.130	29	1.63	3577	314	0				85.20	162.77	0		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:05.340	Radar Report Msg	0b01 001c 0039 c1aa 154d 28b1 00d0 37e4 0200 0000 0000 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG X	QUA NM	BEACON Y	ALT NM	COR STAT	SYSTEM X	SYSTEM Y	PROC	STR	SC	TYP	SYS
		5.03	3683	324	4				84.02	166.27	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 c1aa 1501 2991 0284 398c 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:05.560	59	2	4603	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0
+56.18	+13.67	76	57.75	868 76	57.82	143.45	160.75	346	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+22600	+22600	+0	+22600	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:05.560	Active Track Maintenance Msg	1700 0058 0002 c240 0002 c240 0000 0000 0000 0000 0000 0000 1c17 06d6 0000 0000
		0000 0000 0000 3646 39d1 0983 3646 39d1 0000 23dd 2830 189d 003b 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:05.340	30	5.28	3673	323	2		83.84		166.47	2			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:05.570	Radar Report Msg	0b01 001c 0039 c22c 14f6 299e 02a4 3964 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		9.28	3706	326	3		82.70		170.44	3			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 c22c 14ad 2a9c 04a4 39e8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		4.88	3694	325	2		84.14		166.13	2			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:05.580	Radar Report Msg	0b01 001c 0039 c27c 1509 2988 0270 39b8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		4.47	3766	331	2		84.73		165.86	2			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg	0b01 001c 0039 c27c 152f 2977 023c 3ad8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.34	3800	334	2				84.97	165.78	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 c27c 153e 2972 022c 3b60 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.72	3811	335	1				84.41	169.25	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 c27c 151a 2a50 03dc 3b8c 0201 0100 0001 0000 1d00 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:05.680 51 2 1331 -202 +276 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-22.09 +14.18 302 26.20 3444 303 26.25 68.33 180.80 342 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
323 +31000 +31000 +31000 +31000 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:03:05.680 Active Track Maintenance Msg 1700 0058 0003 c8c0 0003 c8c0 0003 c8c0 0039 c064 0000 0000 f4f4 0717 0000 0000
f19c 13b2 0000 d743 1a41 02d9 7fff 1a40 07a4 1115 2d33 1864 0033 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:05.680 392 2 7304 -241 +256 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-22.72 +18.65 309 29.35 3519 309 29.38 68.64 185.47 351 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
316 +21400 +21400 +21414 +21561 +31 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0002 a1cb 0002 9cc0 0002 9d35 0039 c0ba 0000 00fe f4a4 0953 0000 0000
eedc 1238 0000 dbf2 1d62 0ec4 7fff 1d64 0000 1129 2e5e 1904 0188 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:05.680	56	2	4752		-136	+184			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-26.00	+19.65	307	32.57	3494 307	32.59	65.64	187.39	229	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
323	+12029	+11900	+11900	+11900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 73e0 0001 77ea 0001 73e0 0039 c09c fbf7 0000 f300 09d3 0000 0000
f643 0d1c 0000 da6a 2096 09ea 7fff 2098 0000 1069 2ed9 1055 0038 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:05.690 400 2 4675 -188 -45 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-38.95 +33.70 310 51.48 3537 311 51.49 56.67 204.25 194 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
256 +14029 +13900 +13900 +13900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:03:05.690 Active Track Maintenance Msg 1700 0058 0001 b260 0001 b66a 0001 b260 0039 c0cd fbf7 0000 ec87 10d9 0000 0000
f295 fcbf 0000 dd15 337e 09bd 7fff 3380 0039 0e2b 3310 0dcf 0190 0000 0000 0500
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:05.690 322 N900RL 2 3601 3601 1F -30 -274 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-10.26 +14.99 325 18.11 3704 326 18.19 79.67 178.91 276 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
186	+7829	+7700	+7717	+7698	-4	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 f092 0000 f4aa 0000 f12c 0039 c18a fbf7 ffdf fadf 077f 0000 0000 fddd ec74 0000 e782 1230 0781 7fff 122c 1be0 13eb 2cba 13aa 0142 0000 0000 0000 0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0781 0001 0122 ffff 01c2 0037 01b6 0000
		0000 0000 0000 0084 0000 0001 008a 0000 0000 0000 008f 0000 012b 00a5 0142 009b
		0000 01c6 0000 01cb 000c 020d 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
		0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 35ff 0100 0000 0000 0000 0000 0100 0003 0000 0001 0001 0702
		0001 0000 0000 0031 474c 4634 0000 0000 504d 4400 5656 5600 2020 2020 2020 2020
		2020 0000 4e39 3030 524c 0000 0000 0035 3736 0000 0046 0000 0000 0020 5656 5600
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG X	QUA NM	BEACON Y	ALT NM	COR STAT	SYSTEM X	SYSTEM Y	PROC	STR	SC	TYP	SYS
01:03:05.460	31	7.78	3841	338	2				84.73	169.38	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:05.690	Radar Report Msg	0b01 001c 0039 c2f4 152f 2a58 03e4 3c04 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG X	QUA NM	BEACON Y	ALT NM	COR STAT	SYSTEM X	SYSTEM Y	PROC	STR	SC	TYP	SYS
		6.69	3888	342	4				85.36	168.30	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 c2f4 1557 2a13 0358 3cc0 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.06	4011	353	3			86.36	166.59	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:05.690	Radar Report Msg	0b01 001c 0039 c2fe 1597 29a6 0288 3eac 0203 0300 0001 0203 1d00 0000

END TIME	START TIME	TARGET REPORTS: LIVE	SIMULATED	VALID MODE-C:	0
01:03:05.670	01:03:00.930	RADAR-ONLY 119	0	0.0%	
SENSOR = 2		BEACON-ONLY 0	0		
		RADAR & BEACON 0	0	VALID MODE-3/A:	0
		TOTAL 119	0	0.0%	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:05.900	Sensor Sector Mark Msg	1715 000c 0039 c3c6 0000 0200

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	ALT COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:05.680	1	8.63	3977	350	2		86.39	170.28	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:05.900	Radar Report Msg	0b01 001c 0039 c3c6 1599 2a92 0450 3e24 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	ALT COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	11.09	4056	356	3			87.89	172.59	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 c3c6 15f9 2b26 058c 3f60 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	ALT COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.84	33	3	2			87.45	167.19	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 c3c6 15dd 29cc 02ec 0084 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	ALT COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	9.06	53	5	4			88.72	170.25	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:05.910 Radar Report Msg 0b01 001c 0039 c3da 162e 2a90 0488 00d4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.88	55	5	2			87.66		167.16	2		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 c3da 15ea 29ca 02f0 00dc 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: DEP
01:03:06.000 74 N40905 2 6701 6701 0 -55 +77 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-8.37 +14.81 330 16.98 3760 330 17.00 81.45 178.22 95 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
324 +10029 +9900 +9904 +9905 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:03:06.000 Active Track Maintenance Msg 1700 0058 0001 3589 0001 396a 0001 3583 0039 c1c9 fbf7 0001 fbd1 0768 0000 0000
fc0f 0581 0000 eb01 1101 0dc1 7fff 1104 0039 145d 2c8e 06c5 004a 0000 0000 0300
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0dc1 0000 0064 0064 0064 058a 0094 0000
0000 0000 0000 0000 0000 0058 0005 0000 0000 0000 029c 0000 01cc 012f 004a 01c6
0000 0213 0000 0001 0134 005a 0000 0000 0000 0000 0000 0000 0000 00dc ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 9900 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
0001 0000 0000 0043 5032 3852 0000 0000 4d59 4600 4c48 5300 2020 2020 2020 2020
2020 0000 4e34 3039 3035 0000 0000 0035 3837 0000 0000 0000 0000 0020 0000 0056
3539 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:06.000	384	2		1200	+121	+52			RADAR-ONLY: NO

FIRMNESS: 15

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-35.95	-2.27	266	36.01	3030 266	36.17	50.45	168.75	132	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
66	+5629	+5500	+5500	+5500	+0	+0	00011

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 abe0 0000 afea 0000 abe0 0039 be93 fbf7 0000 ee07 fede 0000 0000 08a6 03b3 0000 bd60 242c 0280 7fff 2404 0000 0c9d 2a30 0968 0180 0000 0000 3035 0403 0f00 0203 1000 0303 0100 0000 0100 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:03:06.000	358	DSO92	2	7303	7303	0	+9	+291	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5
-2.44	+9.78	346	10.05	3936 346	10.02	85.89	171.63	291	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
2	+15329	+15200	+15199	+15313	+24	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:06.000	Active Track Maintenance Msg	1700 0058 0001 de8c 0001 df0a 0001 daf9 0039 c28f fbf7 00c7 fec8 04e4 0000 0000
		00b5 14ba 0000 f609 0a04 0ec3 7fff 0a14 0000 1579 2ae8 14bd 0166 0000 0000 0100
		051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0200 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0ec3 0000 0172 0172 0172 003c 010c 0000
		0000 0000 0000 0000 0000 0005 0005 0000 0000 0000 00c9 0000 016c 002d 0166 0154
		0000 000a 0000 01cd 0187 0113 0000 0000 0000 0000 0000 0000 0000 01ef ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
		0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0005 2000 af00 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
		0001 0000 0000 0043 4639 3030 0000 0000 564e 5900 504d 4400 2020 2020 2020 2020
		2020 0000 4453 4f39 3200 0000 0000 0032 3133 0000 0000 0000 0000 0020 0000 0000
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	6.19	98	9	3						88.13		167.31	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:06.020	Radar Report Msg	0b01 001c 0039 c43e 1608 29d4 0318 0188 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	9.50	210	18	3						90.88		169.67	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 c43e 16b8 2a6b 04c0 0348 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:05.910	2	10.34	211	19	1		91.36	170.38	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:06.240	Radar Report Msg	0b01 001c 0039 c4c0 16d7 2a98 052c 034c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		6.56	197	17	5		89.13	167.22	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 c4c0 1648 29ce 0348 0314 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:06.130	3	10.63	244	21	1		91.95	170.31	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:06.340	Radar Report Msg	0b01 001c 0039 c588 16fd 2a94 0550 03d0 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		10.34	234	21	3		91.66	170.17	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 c588 16ea 2a8b 052c 03a8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
17.44	256	23	5			96.25	175.66	5			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 c588 1810 2bea 08b8 0400 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:06.440	451	2		7211	+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+32.11	-22.56	125	39.20	1423 125	39.24	111.06	131.84	127	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+629	+500	+0	+629	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:06.440	Active Track Maintenance Msg	1700 0058 0000 13aa 0000 13aa 0000 0000 0000 0000 fbf7 0000 100e f4b8 0000 0000 0000 0000 0000 58f4 273e 0e89 58f4 273e 0000 1bc4 20f6 0917 01c3 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:06.240	4	7.22	490	43	1		91.70	165.58	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:06.450	Radar Report Msg	0b01 001c 0039 c5b0 16ed 2965 039c 07a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:06.330	5	7.22	467	41	1		91.58	165.80	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 c600 16e5 2973 039c 074c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	7.38	508	45	3			91.95	165.50	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 c600 16fd 2960 03b0 07f0 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:03:06.570	7	3.69	697	61	4		88.97	162.64	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:06.780	Radar Report Msg	0b01 001c 0039 c6dc 163e 28a9 01d8 0ae4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.03	732	64	7			89.39	162.53	7		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:06.780	Radar Report Msg	0b01 001c 0039 c74a 1659 28a2 0204 0b70 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	3.91	776	68	2			89.28	162.27	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 c74a 1652 2891 01f4 0c20 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:06.880	3	2		7220		+324	+378		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+33.60	+20.56	58	39.36	667	59	39.38	123.30	173.16	498 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
40	+23600	+23600	+23599	+23697	+21	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:06.880	Active Track Maintenance Msg	1700 0058 0002 e48b 0002 e180 0002 e17e 0039 c6b3 0000 00a9 10cd 0a48 0000 0000

170c 1aea 0000 29b5 2762 0e90 29a0 2764 0039 1ed3 2b4a 236f 0003 0000 0000 0606
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	3.28	827	73	3		88.61		161.97		3			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:06.880	Radar Report Msg	0b01 001c 0039 c7c2 1627 287e 01a4 0cec 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	4.34	858	75	2		89.80		161.83		2			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 c7c2 1673 2875 022c 0d68 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:07.000 532 EJA631 2 4757 0 -279 -153 RADAR-ONLY: NO
FIRMNESS: 63
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 0
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: NO
+11.40 +30.13 20 32.20 235 21 32.21 104.44 188.02 0 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
241 CST CST +0 +0 +0 +0 00000

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

01:03:07.000 Active Track Maintenance Msg 1700 0058 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 05b3 0f11 0000 0000
ec17 f50d 0000 0ebc 2037 09ef 0ebc 2037 0000 1a1c 2f01 0001 0214 0001 0000 0000
0000 3f00 0201 1000 0000 0000 0000 0000 0100 0000 0000 0100

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09ef 0000 0172 ffff ffff 003c 026d 0000
0000 0000 0000 0001 0001 0001 0001 0000 0000 0000 009a 0000 003e 01bd 0214 01a5
0000 00ec 0000 01c8 005b 0124 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2fff 0100 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0702
0101 0000 0000 0031 4335 3658 0000 0000 504d 4400 564e 5900 2020 2020 2020 2020
2020 0000 454a 4136 3331 0000 0000 0039 3135 0000 0000 0000 0000 0020 0000 0000
0000 2020 2000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:06.780	8	22.53	931	82	3		108.08	159.28	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:07.000	Radar Report Msg	0b01 001c 0039 c826 1b05 27d2 0b44 0e8c 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:07.100	6	2	1274		-7	+2			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+37.57	+17.84	64	41.57	735 65	41.57	126.63	169.58	7	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
287	-770	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:07.100	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e7eb ffff e3e1 0039 c700 fbf7 0000 12c9 08ec 0000 0000 ff78 002a 0000 2df5 2991 02bc 2df0 2998 5453 1fa8 2a65 008e 0006 0000 0000 c81c 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001
01:03:07.240	Delete Track Msg	1704 0008 0115 0110

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:07.240	72	2			+349	+390			RADAR-ONLY: NO

FIRMNESS: 35									
DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
+35.64	+44.12	39	56.66	442 39	56.71	131.25	195.36	523	VALID ALTITUDE: NO

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
41	CST	CST	+29000	+29000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:07.240	Active Track Maintenance Msg	1700 0058 0003 8a40 0003 8a40 0003 8a40 0039 b334 0000 0000 11d2 160f 0000 0000 18d4 1bc9 0000 1baf 38b7 040b 1bb0 380c 0000 20d0 30d7 2543 0048 0000 0000 0000 0a1f 2300 0203 1001 0303 0000 0000 0001 0100 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:07.240	311	2	3275		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63									
DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0
+26.02	-25.27	134	36.24	1526 134	36.26	104.48	130.80	227	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:07.240	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0d02 f35e 0000 0000
		0000 0000 0000 5f67 2443 06bd 5f67 2443 0000 1a1f 20b3 1036 0137 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:07.240	245	2	5266		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+47.14	-3.86	94	47.28	1077 95	47.30	130.36	146.09	165	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+4029	+3900	+0	+4029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 7dea 0000 7dea 0000 0000 0000 0000 fbf7 0000 1792 fe12 0000 0000
		0000 0000 0000 4354 2f4c 0ab6 4354 2f4c 0000 2097 2486 0bca 00f5 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:07.020	9	5.28	974	86	4		90.70	160.94	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:07.240	Radar Report Msg	0b01 001c 0039 c916 16ad 283c 02a4 0f38 0204 0400 0001 0303 1d00 0000
01:03:07.330	Delete Track Msg	1704 0008 0228 0310

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:07.330	101	2	3507		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 0
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+23.42 -31.07 143 38.88 1626 143 38.91 100.50 125.84 230 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
0 +5029 +4900 +0 +5029 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:07.330	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0bb6 f077 0000 0000 0000 0000 0000 65ae 26e8 0747 65ae 26e8 0000 1920 1f76 1064 0065 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:07.330	527	2	4676		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+22.61	-28.29	141	36.15	1608 141	36.21	100.42	128.73	116	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2229	+2100	+0	+2229	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 45aa 0000 45aa 0000 0000 0000 0000 fbf7 0000 0b4e f1db 0000 0000 0000 0000 0000 6487 2436 09be 6487 2436 0000 191b 202f 084e 020f 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:07.070	10	2.72	1162	102	0		87.70	160.84	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:07.340	Radar Report Msg	0b01 001c 0039 c934 15ed 2836 015c 1228 0200 0000 0000 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
		2.91	1123	99	0		87.97	160.88	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 c934 15fe 2838 0174 118c 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	8.00	1162	102	2			92.75	158.30	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 c934 1730 2793 0400 1228 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	16.66	1098	97	3			101.22	155.84	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 c934 194e 26f6 0854 1128 0203 0300 0003 0003 1d00 0000

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TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	16.97	1123	99	3				101.27		155.13	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 c934 1951 26c8 087c 118c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	5.94	1193	105	2				90.73		159.02	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 c934 16af 27c1 02f8 12a4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	7.63	1169	103	4				92.38		158.41	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 c934 1718 279a 03d0 1244 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	7.47	1163	102	1				92.27		158.53	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 c934 1711 27a2 03bc 122c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM STAT	SYSTEM COR	SYSTEM	PROC STR	SC	TYP	SYS
	6.06	1176	103	2			90.92	159.09	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 c934 16bb 27c6 0308 1260 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM STAT	SYSTEM COR	SYSTEM	PROC STR	SC	TYP	SYS
	6.34	1234	108	3			90.89	158.48	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:07.350	Radar Report Msg	0b01 001c 0039 c970 16b9 279f 032c 1348 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	6.31	1256	110	2				90.75		158.33	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 c97a 16b0 2795 0328 13a0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	24.59	1299	114	3				104.88		146.45	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:07.370	Radar Report Msg	0b01 001c 0039 c984 1a38 249d 0c4c 144c 0203 0300 0004 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	47.84	1246	110	5				125.30		134.97	5		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 c984 1f53 21be 17ec 1378 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	7.34	1290	113	1				91.41		157.42	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 c984 16da 275b 03ac 1428 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
19.09	1267	111	3				101.14		150.64		3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 c984 1949 25a9 098c 13cc 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:07.450	523		2	0646		-246	-83		RADAR-ONLY: NO

FIRMNESS: 35

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+44.86	+0.48	89	44.81	1017	89 44.82	129.22	150.95	260	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
251	+13629	+13500	+13525	+13468	-12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:07.450	Active Track Maintenance Msg	1700 0058 0001 a4e6 0001 a9ea 0001 a6af 0039 c83e fbf7 ff9d 166e 003d 0000 0000
		ee7c fa08 0000 3f9a 2cd2 01a6 3f90 2cdc 0303 204e 25bd 1281 020b 0000 0000 002c
		0a1f 2300 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:07.450	519		2	1631		-143	-118		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+54.36	-8.14	98	54.91	1120	98 54.98	136.27	140.20	186	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
230	+8029	+7900	+7900	+7901	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 f6eb 0000 faea 0000 f6e7 0039 c8b3 fbf7 0001 1b2e fbee 0000 0000
f5ce f78c 0000 460a 36fb 0399 4610 36f8 0000 2211 230d 0d3e 0207 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:07.450	298	2		0771		-219	-21		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+31.50	-4.87	98	31.86	1122	99	31.85	114.97	149.17	220	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
264	+10229	+10100	+10074	+10014	-13	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 38f0 0001 3faa 0001 3ad4 0039 c8b6 fbf7 ff98 0fc0 fd91 0000 0000
f066 fe7c 0000 4626 1fda 01f9 4640 1fe0 0038 1cbe 254b 0fad 012a 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:07.450 339 2 2201 -230 -107 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+51.53 -11.57 102 52.78 1167 103 52.76 132.66 137.61 254 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
245 +9029 +8900 +8879 +8798 -17 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 12f4 0001 1a2a 0001 157f 0039 c8e8 fbf7 ff74 19c4 fa37 0000 0000
ef96 f859 0000 48ff 34c2 0481 4900 34d0 0000 212a 2267 121c 0153 0000 0000 000c
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: DEP
01:03:07.450 394 N121NA 2 1320 1320 1X -117 +11 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+20.41 -3.34 99 20.64 1128 99 20.70 104.66 153.44 118 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
275	+5929	+5800	+5800	+5800	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 b540 0000 b94a 0000 b540 0039 c8bd fbf7 0000 0a35 fe54 0000 0000 f79f 00d9 0000 468c 14b2 02d0 46a0 14b0 5858 1a2a 265c 086c 018a 0000 0000 0b40 0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000

Radar Report Msg 0b01 001c 0039 c9de 1e0d 209b 1754 14ec 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT			
15.28	1379	121	3				96.34	150.92	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 c9e8 1816 25bb 07a4 158c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT			
38.31	1463	129	5				108.66	131.17	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 c9e8 1b2a 20cb 1328 16dc 0205 0500 0005 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:07.550	361	2	4631		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID
+3.61	-15.32	167	15.72	1897 167	15.74	85.36	146.11	130	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+529	+400	+0	+529	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:07.550	Active Track Maintenance Msg	1700 0058 0000 108a 0000 108a 0000 0000 0000 0000 fbf7 0000 01ce f857 0000 0000
		0000 0000 0000 7692 0fbd 0999 7692 0fbd 0000 1557 2487 094e 0169 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:07.550	328	2	6655		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID
+21.46	-23.14	137	31.53	1560 137	31.56	100.63	134.00	202	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2029	+1900	+0	+2029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 3f6a 0000 3f6a 0000 0000 0000 0000 fbf7 0000 0abb f46e 0000 0000
0000 0000 0000 6188 1f8f 0dad 6188 1f8f 0000 1928 2180 0e64 0148 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

01:03:07.670 Delete Track Msg 1704 0008 0093 0810

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:07.670	389	2	1654	-202	-82				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+45.13	-14.38	107	47.36	1227 108	47.27	125.75	136.52	219	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
247	+8929	+8800	+8805	+8798	-1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:07.670	Active Track Maintenance Msg	1700 0058 0001 12f5 0001 170a 0001 132c 0039 c928 fbf7 fff5 1690 f8d0 0000 0000
		f195 fa1a 0000 4cb1 2f45 03ac 4c90 2f5c 0000 1f70 2221 0f93 0185 0000 0000 0000
		051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:07.670	590	2	4624		-12	-112			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+34.14	-13.59	111	36.72	1271 112	36.85	115.34	140.05	113	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
186	+2929	+2800	+2800	+2800	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 5785 0000 5b8a 0000 5784 0039 c95b fbf7 0000 1112 f935 0000 0000
		ff17 f802 0000 4f7f 24d9 0994 4f70 24c0 0000 1cd6 2303 080b 024e 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:07.670	207	N8451R	2	4647	4647	1X	-103	+14	RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+8.02	-3.03	110	8.54	1258 111	8.57	92.72	156.89	104	INHIBIT MSAW PROCESS: NO
									INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
277	+6029	+5900	+5905	+5906	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 b895 0000 bc6a 0000 b88c 0039 c94f fbf7 0002 0403 fe7c 0000 0000 f89d 0101 0000 4eac 0892 09a7 4ec0 0894 010e 172e 2739 0774 00cf 0000 0000 0000 0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09a7 0015 003c 003c 003c 0028 0068 0000
		0000 0000 0000 0000 0000 0026 0001 0000 0000 0000 00b0 0000 0037 00e1 00cf 0041
		0000 0044 0000 01bb 0036 00bd 0000 0000 0000 0000 0000 0000 0000 020c ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
		0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
		0001 0000 0000 0043 5032 3841 0000 0000 504f 4300 5656 5600 2020 2020 2020 2020
		2020 0000 4e38 3435 3152 0000 0000 0036 3633 0000 0058 0000 0000 0020 5656 5600
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:07.670	280		2	6737	+507	+108			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
+47.34	-20.55	113	51.56	1291 113	51.58	126.22	130.08	518	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
78	+26000	+26000	+25963	+26090	+28	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0003 2f57 0003 2c80 0003 2b59 0039 c972 0000 00e4 17ac f5b9 0000 0000

2413 07b6 0003 50b3 3395 0ddf 50b0 339c 4033 1f8e 2085 24e3 0118 0000 0000 001c
071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:07.670	431	2	2734		-36	-129			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+33.17	-18.19	118	37.79	1351 119	37.84	113.23	135.84	134	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
195	+2429	+2300	+2311	+2255	-12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 467e 0000 4bea 0000 4838 0039 c9b5 fbf7 ff99 1096 f6e8 0000 0000
		fd68 f6d2 fffe 547f 25d8 05dc 5470 25d4 0001 1c4f 21f6 098a 01af 0000 0000 6412
		051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:07.360	12	40.19	1438	126	5		110.98	130.61	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:07.680	Radar Report Msg	0b01 001c 0039 cab0 1bbf 20a7 1418 1678 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		4.22	1533	135	2		87.75	158.48	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 cab0 15f0 279f 021c 17f4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		23.75	1542	136	4		97.53	141.28	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 cab0 1862 2352 0be0 1818 0204 0400 0004 0101 1d00 0000
01:03:07.780	Delete Track Msg	1704 0008 00c7 0110
01:03:07.780	Delete Track Msg	1704 0008 0144 0110

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:07.780	55	2	7230	-247	-94		RADAR-ONLY: NO		
							FIRMNESS: 38		

DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+17.68 -10.15 119 20.32 1364 120 20.41 100.28 147.55 265 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
249 +5429 +5300 +5300 +5166 -28 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:07.780	Active Track Maintenance Msg	1700 0058 0000 a174 0000 a9aa 0000 a5a0 0039 c9c4 fbf7 ff19 08d7 faed 0000 0000
		ee62 f93f 0000 5544 1468 0e98 5540 1464 a00a 1912 24e3 12de 0037 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:07.780	561	2	4745		-150	+119			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
+18.59	-18.92	135	26.47	1542 136	26.52	98.94	138.84	191	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
308	+6529	+6400	+6388	+6281	-22	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:07.780	Active Track Maintenance Msg	1700 0058 0000 c44a 0000 cc0a 0000 c7a0 0039 ca8c fbf7 ff49 094b f68a 0000 0000 f554 087c 0000 606e 1a86 09e5 6060 1a88 a00a 18bc 22b6 0da2 0231 0000 0000 00d1 081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:07.780	329	2	4657		-137	+175			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+25.95	-27.18	136	37.53	1550 136	37.58	103.98	129.00	222	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
321	+7029	+6900	+6900	+6900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 d7a0 0000 dbaa 0000 d7a0 0039 ca96 fbf7 0000 0cfa f269 0000 0000
f631 0c74 0000 60e9 2594 09af 60f0 2594 008a 19ff 2040 0fdb 0149 0000 0000 0800
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:07.780	597		2		-161	+95			RADAR-ONLY: NO

FIRMNESS: 26

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: NO
+38.46	-4.73	97	38.72	1103	97	38.75	121.77	147.52	187	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
300	CST	CST	+3478	+3562	+18	+0	01100

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 6f55 0000 6b2a 0000 6cb3 0039 9257 fbf7 0092 133b fda2 0000 0000
		f487 06c3 0000 44ff 26c1 09b5 4530 2780 a00a 1e71 24e1 0d51 0255 0000 0000 8b48
		030c 1a00 0203 1001 0303 0000 0000 0001 0100 0000 0100 0101

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
01:03:07.570	14	12.84	1611	142	3			90.89	150.17	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:07.800	Radar Report Msg	0b01 001c 0039 cb28 16b9 258b 066c 192c 0203 0300 0004 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	4.00	1715	151	1				86.69	158.30	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 cb28 15ac 2793 0200 1acc 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:07.890	321	2	4665	+0	+0				RADAR-ONLY: NO
									FIRMNESS: 63

DISPLAY X	DISPLAY NM	DISPLAY Y	DISPLAY NM	PRED_AZIM AZI DEG	PREDICTED RANGE NM	SYSTEM ACP	SYSTEM DEG	SPEED RANGE NM	ALTITUDE FIRMNESS: 0
									VALID ALTITUDE: YES
+38.66	-4.86	97	38.92	1105	97	38.96	122.50	147.52	199 INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID

DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
0	+3329	+3200	+0	+3329	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:07.890	Active Track Maintenance Msg	1700 0058 0000 680a 0000 680a 0000 0000 0000 0000 fbf7 0000 1355 fd92 0000 0000 0000 0000 0000 4518 26f7 09b5 4518 26f7 0000 1ea0 24e1 0e37 0141 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	26.06	1670	147	3	2425-0	000-7		000		94.03	137.19	3	W			RB	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:07.890	Beacon Report Msg	0b02 002c 0039 cb96 0000 0000 0000 0515 1782 224c 0d08 1a18 0203 0300 0007 0000 7f00 0000 0000 0000 0001 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.94	1734	152	5			86.81	157.30	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:07.890	Radar Report Msg	0b01 001c 0039 cb96 15b4 2753 0278 1b18 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.09	1787	157	3			86.30	158.11	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:07.890	Radar Report Msg	0b01 001c 0039 cba0 1593 2787 020c 1bec 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.09	1811	159	3			86.17	158.09	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 cba0 158b 2786 020c 1c4c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.03	1763	155	1			86.63	157.16	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 cba0 15a8 274a 0284 1b8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
22.75	1829	161	4				87.58		139.22		4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 cba0 15e5 22ce 0b60 1c94 0204 0400 0004 0101 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
14.09	1845	162	5				86.53		147.86		5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 cba0 15a2 24f7 070c 1cd4 0205 0500 0003 0102 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.59	1885	166	5			85.73	157.53	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 cba0 156f 2762 024c 1d74 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:07.780	15	9.56	1889	166	7		85.66	152.41	7		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:08.000	Radar Report Msg	0b01 001c 0039 cc04 156a 261a 04c8 1d84 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.09	1860	163	4			85.89	158.08	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 cc04 1579 2785 020c 1d10 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	21.78	1907	168	3			84.91	140.14	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 cc04 153a 2309 0ae4 1dcc 0203 0300 0003 0003 1d00 0000
01:03:08.110 Delete Track Msg 1704 0008 00d2 0010
01:03:08.110 Delete Track Msg 1704 0008 0255 0210

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:08.110	98	2	3253		+199	+17			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
+7.21	-9.09	141	11.57	1607	141	11.56	90.42	151.25	199

INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
85	+6229	+6100	+6109	+6010	-21	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:08.110	Active Track Maintenance Msg	1700 0058 0000 bbd1 0000 c2aa 0000 bee8 0039 cada fbf7 ff54 039b fb74 0000 0000
		0e28 013c 0000 6477 0b8f 06ab 64b0 0b9c 400a 169b 25d0 0e36 0062 0000 0000 0058
		071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:08.110	278	2	4613	+248	+78				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+14.44	-22.10	146	26.36	1671 147	26.40	94.13	136.81	260	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	SLID Z FT/SEC/SEC	ALT WINDOW
72	+6029	+5900	+5922	+5952	+6	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 ba07 0000 bc6a 0000 b917 0039 cb1d fbf7 0034 0738 f4f3 0000 0000
		11a8 059b 0000 687e 1a66 098b 6870 1a68 0000 1788 2234 1287 0116 0000 0000 0058
		061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:08.110	7	2	1275	+10	-5				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+41.67	-14.40	109	44.04	1241 109	44.13	122.39	137.38	11	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
116	+0	+0	+0	+0	+0		00000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 0000 0000 0000 0000 0000 0039 c93a 0000 0000 14d6 f8cd 0000 0000 00bb ffa3 0000 4d9f 2c21 02bd 4d90 2c18 0000 1e99 2258 00d1 0007 0000 0000 0058 0000 2600 0203 1000 0300 0100 0000 0001 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:08.210	321	2	4665		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+39.27	-4.27	96	39.48	1094 96	39.50	122.64	147.70	204	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+3229	+3100	+0	+3229	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:08.210	Active Track Maintenance Msg	1700 0058 0000 64ea 0000 64ea 0000 0000 0000 0000 fbf7 0000 13a2 fddd 0000 0000 0000 0000 0000 446a 277f 09b5 446a 277f 0000 1ea9 24ed 0e89 0141 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:08.340	530	2	4643		-273	+190			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+25.41	-45.81	151	52.37	1717 151	52.38	98.70	111.19	333	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
304	+20000	+20000	+20000	+20000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:08.340 Active Track Maintenance Msg 1700 0058 0002 7100 0002 7100 0002 7100 0039 cb52 0000 0000 0cb4 e918 0000 0000
ec92 0d8a 0000 6b58 3460 09a3 6b60 3464 0039 18ad 1bcc 17af 0212 0000 0000 28bd
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:08.340	312	2	3220			-132	-113		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
+7.86	-13.97	150	15.98	1715	151	16.20	89.83	146.34	174	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
229	+2329	+2200	+2240	+2111	-28	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 41f8 0000 48ca 0000 4606 0039 cb4e fbf7 ff19 03ee f904 0000 0000
		f697 f7f5 fffe 6b38 1032 0690 6b20 1008 0039 1675 2496 0c61 0138 0000 0000 2499
		071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:08.340	219	2	1060		-399	-152			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+5.52	-15.74	160	16.62	1827 161	16.70	87.05	146.19	427	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
249	+35000	+35000	+35000	+35000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 45c0 0004 45c0 0004 45c0 0039 cbce 0000 0000 02c3 f821 0000 0000
		e39c f51f 0000 723c 10b3 0230 7240 10b0 0039 15c3 248c 1e68 00db 0000 0000 280a
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:08.110	17	4.16	2004	176	2		85.05	158.08	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:08.340	Radar Report Msg	0b01 001c 0039 ccea 1543 2785 0214 1f50 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	4.44	1975	174	2			85.17		157.75	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ccea 154b 2770 0238 1edc 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	17.56	2008	176	7			82.38		144.69	7			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ccea 1498 242c 08c8 1f60 0207 0700 0003 0302 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.03	2067	182	1				84.42	157.27	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:08.350	Radar Report Msg	0b01 001c 0039 cd4e 151b 2751 0284 204c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.19	2081	183	2				84.28	157.14	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 cd4e 1512 2749 0298 2084 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.06	2133	187	4				83.95	157.39	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 cd4e 14fd 2759 0288 2154 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
31.41	2166	190	6				72.48	133.42	6			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:08.350 Radar Report Msg 0b01 001c 0039 cd62 121f 215b 0fb4 21d8 0206 0600 0004 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.44	2243	197	1					83.59		158.33	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 cd62 14e6 2795 0238 230c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.44	2218	195	1					83.72		158.25	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 cd62 14ee 2790 0238 22a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:03:08.340	18	45.72	2308	203	4		57.94		125.61	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:08.550	Radar Report Msg	0b01 001c 0039 ce34 0e7c 1f67 16dc 2410 0204 0400 0005 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:08.650	176	2	4772		+196	+69			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4
+1.91	-10.98	170	11.09	1930 170	11.15	84.83	150.75	208	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
70	+5429	+5300	+5308	+5026	-64	-1	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:08.650	Active Track Maintenance Msg	1700 0058 0000 9d12 0000 a9aa 0000 a5e6 0039 cc48 fbf7 fe00 00f4 fa82 0000 0000 0df5 04f5 fff7 78ae 0b27 09fa 7900 0b28 fd98 1535 25b0 0ecf 00b0 0000 0000 c4ec 041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:08.650	449	2	7242		-312	+144			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
+3.45	-35.53	174	35.66	1984 174	35.67	80.16	126.97	344	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
294	+32100	+32100	+32124	+32250	+27	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0003 efd6 0003 eb20 0003 ebe0 0039 cc7f 0000 00db 01b9 ee3c 0000 0000
		e9c2 0a45 0000 7c0a 23ac 0ea2 7c10 23b4 e93b 140a 1fbe 187f 01c1 0000 0000 c6cb
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:08.650	160	2	4645		+69	+302			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
+1.08	-17.54	176	17.53	2010 177	17.62	82.39	144.69	310	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
13	+11129	+11000	+11025	+11175	+32	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 5d3f 0001 5bca 0001 588b 0039 cc99 fbf7 0103 008a f73b 0000 0000 04f6 1584 0000 7da9 119e 09a5 7d80 1194 ef35 1499 242c 1615 00a0 0000 0000 c8bd 091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:08.650	310	2	1051		+419	+103			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
+0.92	-33.24	178	33.20	2031 179	33.28	78.28	129.61	431	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
76	+20300	+20300	+20279	+20453	+37	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0002 7f29 0002 7a60 0002 79be 0039 ccb1 0000 012e 0076 ef61 0000 0000
1dd0 075e 0001 7ef3 2147 0229 7ee0 2144 f626 1392 2067 1eb5 0136 0000 0000 c8eb
091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:08.650	580	2	4614		-91	+43			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3
+0.52	-18.86	178	18.82	2028 178	18.79	81.50	143.47	101	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
295	+4229	+4100	+4100	+4100	+0	+0	00001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:08.650	Active Track Maintenance Msg	1700 0058 0000 8020 0000 842a 0000 8020 0039 ccb1 fbf7 0000 0043 f692 0000 0000 f983 0319 0000 7ec8 12cb 098c 7ee0 12e0 0000 1460 23de 0731 0244 0000 0000 0000 0301 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:08.650	406	2		4622	-144	-8			RADAR-ONLY: NO

FIRMNESS: 24

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+13.39	-21.95	148	25.69	1689 148	25.72	93.16	137.22	145	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
266	+4029	+3900	+3900	+3900	+0	+0	01111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 79e0 0000 7dea 0000 79e0 0039 cb34 fbf7 0000 06b2 f506 0000 0000 f5b4 ff5e 0000 6999 19b8 0992 69b0 19b8 a012 174a 224e 0a51 0196 0000 0000 1cd8 060f 1800 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:08.880	49	2		6311	+373	-92			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: YES
-14.92	-43.14	199	45.62	2263 199	45.64	60.44	123.92	384	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
104	+12029	+11900	+11950	+11842	-23	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:08.880	Active Track Maintenance Msg	1700 0058 0001 7210 0001 77ea 0001 7570 0039 cdba fbf7 ff43 f88a ea6e 0000 0000 1a88 f96a 0000 8d78 2da4 0cc9 7fff 2da8 0000 0f1c 1efb 1b56 0031 0000 0000 0000 031f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:03:08.880	Delete Track Msg	1704 0008 00a9 0110

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:08.680	22	5.56	2506	220	1			81.41	158.78	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:08.890	Radar Report Msg	0b01 001c 0039 cf06 145a 27b2 02c8 2728 0201 0100 0001 0000 1d00 0000

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TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	29.88	2527	222	5			60.81		145.50	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:08.900	Radar Report Msg	0b01 001c 0039 cf1a 0f34 2460 0ef0 277c 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	5.97	2582	227	4			80.72		159.11	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 cf1a 142e 27c7 02fc 2858 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	30.72	2564	225	3			59.20		146.52	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 cf1a 0ecd 24a1 0f5c 2810 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	20.34	2643	232	3			67.11		153.91	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 cf1a 10c7 267a 0a2c 294c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	6.75	2624	231	2					79.81	159.09	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:08.910	Radar Report Msg	0b01 001c 0039 cf7e 13f4 27c6 0360 2900 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	7.22	2666	234	1					79.20	159.31	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 cf7e 13cd 27d4 039c 29a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	6.66	2680	236	2				79.69		159.66	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 cf7e 13ec 27ea 0354 29e0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	8.69	2659	234	3				77.83		158.69	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 cf88 1375 27ac 0458 298c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	22.28	2698	237	1				64.66		154.89	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 cf88 102a 26b9 0b24 2a28 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	8.72	2746	241	4				77.45		159.77	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:08.920 Radar Report Msg 0b01 001c 0039 cf92 135d 27f1 045c 2ae8 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	24.72	2762	243	3			61.70		156.47		3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 cf92 0f6d 271e 0c5c 2b28 0203 0300 0001 0203 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:08.990	379	2	6312		+305	-11			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
-9.76	-12.49	218	15.80	2478 218	15.83	73.22	152.27	305	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
92	+9829	+9700	+9678	+9611	-14	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:08.990	Active Track Maintenance Msg	1700 0058 0001 2c59 0001 332a 0001 2e76 0039 ceac fbf7 ff8c fb1f f9c1 0000 0000 15b2 ff28 0000 9aec 0fd4 0cca 7fff 0fdc 0039 124e 2611 15b6 017b 0000 0000 24b1 051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:08.990	8	2	1273		-1	+0			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-37.78	-33.20	228	50.26	2602 229	50.30	40.83	139.30	1	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
256	-899	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 ffff e3e1 ffff e3e1 ffff e3e1 0039 cf35 0000 0000 ed1c ef66 0000 0000
ffe8 fffa 0000 a2a0 324c 02bb 7fff 324c 0001 0a35 22d3 0019 0008 0000 0000 cf7e
0a1f 2603 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	15.34	2803	246	3		70.70		159.45		3		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:08.990	Radar Report Msg	0b01 001c 0039 cff6 11ad 27dd 07ac 2bcc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	15.75	2747	241	2		70.56		158.08		2		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 cff6 11a4 2785 07e0 2aec 0202 0200 0001 0103 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
15.75	2772	244	5				70.42	158.66	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 cff6 119b 27aa 07e0 2b50 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
2.00	2796	246	5				84.61	161.64	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 cff6 1527 2869 0100 2bb0 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
15.22	2842	250	1				70.70	160.38	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 cff6 11ad 2818 079c 2c68 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:09.330	304	2	7342		-310	+163			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X	DISPLAY NM	DISPLAY Y	DISPLAY NM	PRED_AZIM AZI DEG	PREDICTED RANGE NM	SYSTEM ACP	SYSTEM DEG	SPEED RANGE NM	ALTITUDE X	FIRMNESS: 10 NM	Y	NM	KNOTS	VALID ALTITUDE: YES

-24.63 -22.26 228 33.19 2591 228 33.21 56.73 146.78 350 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
297	+35000	+35000	+34983	+34981	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:09.330	Active Track Maintenance Msg	1700 0058 0004 452d 0004 45c0 0004 453a 0039 cf2b 0000 fffe f3af f4df 0000 0000 e9f1 0b99 0000 a1fe 2135 0ee2 7fff 2134 166a 0e2f 24b2 18ec 0130 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:09.330	586	2	4673		+309	+20			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
-21.69	-12.23	240	24.88	2737 241	24.91	61.75	155.52	310	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
86	+10829	+10700	+10709	+10583	-28	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 4abf 0001 526a 0001 4ead 0039 cfcd fbf7 ff20 f528 f9e2 0000 0000
		1609 016d fffe ab1b 18e8 09bb 7fff 18e8 0404 0f70 26e1 1615 024a 0000 0000 002c
		051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:09.330	173	2	6307		+498	-220			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-18.72	-9.16	244	20.79	2774 244	20.84	66.02	157.84	545	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
113	+33000	+33000	+33000	+33000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:09.330 Active Track Maintenance Msg 1700 0058 0004 0740 0004 0740 0004 0740 0039 cff7 0000 0000 f6a4 fb6b 0000 0000
237a f058 0000 ad6c 14d8 0cc7 7fff 14d8 0039 1081 2776 26c7 00ad 0000 0000 0100
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:09.330	591	N31F	2	0260	0260	1Y	+46	+60	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-8.27	-3.88	244	9.11	2787 245	9.09	76.80	160.19	76	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: YES

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
37	+2129	+2000	+2032	+1947	-29	-4	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 3cd9 0000 428a 0000 3f84 0039 d004 fbf7 ff18 fbdd fe10 0000 0000
		0351 0455 ffdc ae3f 0918 00b0 7fff 0924 267c 1333 280c 0575 024f 0000 0000 0000
		041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 00b0 008a 0104 ffff ffff 003d 000e 0000
		0000 0000 0000 0000 0000 008a 008a 0000 0000 0000 0000 0000 00c9 0215 024f 015c
		0000 00b1 0000 013a 00d7 00d5 0000 0000 0000 0000 0000 0000 0000 0448 ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0000 0000 0100 0000 0001 0000
		0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0004 2020 2fff 0000 0000 0000 0000 0000 0000 0000 0000 0001 0702
		0001 0000 0000 0043 0000 0000 0000 0000 0000 0000 564e 5900 2020 2020 2020 2020
		2020 0000 4e33 3146 0000 0000 0000 0000 0000 0000 0059 0000 0000 0020 564e 5900
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:09.120	24	15.06	2869	252	2				70.81		161.00	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:09.340	Radar Report Msg	0b01 001c 0039 d0d2 11b4 2840 0788 2cd4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	12.00	2835	249	3					73.95		160.56	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 d0d2 127d 2824 0600 2c4c 0203 0300 0001 0203 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:09.450	275	2	0257	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+36.45	+0.34	89	36.44	1017	89 36.45	121.09	152.89	86	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1729	+1600	+0	+1729	+0	+0	11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:09.450	Active Track Maintenance Msg	1700 0058 0000 360a 0000 360a 0000 0000 0000 0000 fbf7 0000 1239 002c 0000 0000 0000 0000 0000 3f9d 2472 00af 3f9d 2472 0000 1e46 2639 062d 0113 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:09.330	25	13.44	3129	275	2		73.20	166.33	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:09.560	Radar Report Msg	0b01 001c 0039 d212 124d 2995 06b8 30e4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		13.78	3114	274	2		72.78	166.14	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 d212 1232 2989 06e4 30a8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		13.00	3144	276	2		73.73	166.45	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 d212 126f 299d 0680 3120 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	10.13	3235	284	4			77.03		166.67	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:09.570	Radar Report Msg	0b01 001c 0039 d21c 1342 29ab 0510 328c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	6.59	3315	291	3			80.59		165.59	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 d21c 1426 2966 034c 33cc 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:09.700 319 OPT708 2 4725 4725 1W +127 +31 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-2.06 -0.85 248 2.21 2813 247 2.23 83.56 161.53 131 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
76 +1429 +1300 +1265 +1205 -12 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:03:09.700 Active Track Maintenance Msg 1700 0058 0000 25ac 0000 2caa 0000 278a 0039 d024 fbf7 ff99 fef8 ff93 0000 0000
0912 023b 0000 afd4 023b 09d5 7fff 023c 0000 14e4 2862 0957 013f 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0004 0000 0000 0000 0202 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0003
0000 0200 0000 0600 0000 0000 0000 0000 8000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09d5 0003 0122 ffff ffff 002a 0168 0000
0000 0000 0000 0253 0000 0001 0001 0000 0000 0000 005b 0000 00d8 0058 013f 00c5
0000 00be 0000 010d 008c 01a6 0000 0000 0000 0000 0000 0000 0000 022e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 03ff 0100 0000 0000 0000 0000 0100 0000 0000 0001 0001 0502
0001 0000 0000 0031 4245 3430 0000 0000 504d 4400 4255 5200 2020 2020 2020 2020
2020 0000 4f50 5437 3038 0000 0000 0032 3931 0000 0057 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:09.700 545 N4171H 2 4706 4706 0 -157 -31 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-21.03 -5.37 255 21.66 2910 256 21.68 64.08 161.97 160 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
258 +4029 +3900 +3900 +3900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 79e0 0000 7dea 0000 79e0 0039 d08e fbf7 0000 f57c fd51 0000 0000
f4d1 fdc6 0000 b5e1 15af 09c6 7fff 15b4 a008 1005 287e 0b67 0221 0000 0000 0660
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09c6 0000 0028 0028 0028 001e 003d 0000
0000 0000 0000 0000 0000 0001 0003 0000 0000 0000 0068 0000 00fa 020a 0221 0235
0000 0102 0000 00a7 0144 0075 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 21ff 0600 0000 0000 0000 0000 0100 0000 0000 0001 0000 0502
0001 0000 0000 0036 4d32 3050 0000 0000 5748 5000 4f58 5200 2020 2020 2020 2020
2020 0000 4e34 3137 3148 0000 0000 0034 3534 3234 3400 0000 0000 0020 4f58 5200
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: OVR
01:03:09.700 274 N8063T 2 4763 4763 1V +118 +34 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-19.02 -3.87 258 19.38 2941 259 19.40 66.42 162.91 123 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
73 +6229 +6100 +6148 +6190 +9 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 c177 0000 c2aa 0000 c023 0039 d0b2 fbf7 004a f67e fe11 0000 0000

0868 027b 0000 b7dc 1367 09f3 7fff 1368 0100 109b 28ba 08c3 0112 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09f3 0005 0032 ffff 0032 002c 022a 0000
0000 0000 0000 018b 0000 0003 0015 0000 0000 0000 00ae 0000 0070 0245 0112 00cb
0000 002d 0000 0194 0133 0144 0000 0000 0000 0000 0000 0000 0000 042f ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 00ff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0036 5041 3332 0000 0000 4f58 5200 4844 4600 2020 2020 2020 2020
2020 0000 4e38 3036 3354 0000 0000 0030 3030 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:09.700	297		2	1056		-15	+113		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-40.93	-3.52	265	41.02	3016 265	41.09	45.31	168.80	114	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
352	+5229	+5100	+5093	+5147	+11	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:09.700	Active Track Maintenance Msg	1700 0058 0000 a0de 0000 a36a 0000 9f2c 0039 d107 fbf7 005e eb89 fe3d 0000 0000
		fee0 0813 0000 bc83 2918 022e 7fff 2914 0172 0b54 2a33 0827 0129 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:09.700	475	N6887L	2	4714	4714	1W	+183	+5	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
-21.58	-1.68	265	21.62	3021 266	21.64	64.50	165.67	183	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
88	+5029	+4900	+4875	+4875	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 985b 0000 9d2a 0000 985b 0039 d10c fbf7 0000 f536 ff29 0000 0000
0d12 0065 0000 bcdc 15a3 09cc 7fff 15a4 0303 1020 296b 0d13 01db 0000 0000 0001
051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0000 0000 0004 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 2000 0000
0000 0000 0000 0000 0000 0080 0010 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09cc 0003 0000 ffff 0032 0038 0253 0000
0000 0000 0000 0081 0000 0003 0000 0000 0000 0000 00f2 0000 0014 0138 01db 00c3
0000 0000 0000 0062 0054 01c9 0000 0000 0000 0000 0000 0000 0000 025c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 1dff 0600 0000 0000 0000 0000 0100 0000 0000 0001 0001 0502
0001 0000 0000 0036 4334 3231 0000 0000 4f58 5200 4343 4200 2020 2020 2020 2020
2020 0000 4e36 3838 374c 0000 0000 0037 3937 0000 0057 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:09.700	9	2	1275		+9	+0			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-12.51	-10.98	228	16.61	2601 229	16.67	70.89	154.38	9	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
83	-470	-599	-599	-599	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 ffff ed41 ffff f14b ffff ed41 0039 cf35 fbf7 0000 f9bf fa82 0000 0000
		00a5 0012 0000 a294 10ab 02bd 7fff 10a8 0303 11b9 2698 00a6 0009 0000 0000 0001
		0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:09.700	491	2	1022		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
-0.72	-16.23	182	16.20	2076 183	16.25	80.94	146.33	176	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1929	+1800	+0	+1929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:09.700 Active Track Maintenance Msg 1700 0058 0000 3c4a 0000 3c4a 0000 0000 0000 0000 fbf7 0000 ffa4 f7e2 0000 0000
0000 0000 0000 81cd 1040 0212 81cd 1040 0000 143c 2495 0c88 01eb 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:09.770	511	2		+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+20.13	-1.91	95	20.21	1085	95	20.22	104.75	154.86	113

INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	CST	CST	+0	+1529	+0	+0	11100

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:09.770	Active Track Maintenance Msg	1700 0058 0000 2fca 0000 2fca 0000 0000 0000 0000 fbf7 0000 0a11 ff0b 0000 0000
		0000 0000 0000 43dc 1439 0a82 43dc 1439 0000 1a30 26b7 0811 01ff 0001 0000 0000
		001c 3f00 0203 1000 0303 0000 0000 0001 0100 0000 0000 0100
01:03:09.890	Delete Track Msg	1704 0008 01a3 0710

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:09.890	87	CPF420	2	4664	4664	1X	+80	-60	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-5.89	+0.59	275	5.90	3136 276	5.93	80.25	163.89	100	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
126	+4429	+4300	+4319	+4378	+12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:09.890	Active Track Maintenance Msg	1700 0058 0000 88d4 0000 8a6a 0000 86f8 0039 d18f fbf7 0067 fd0e 004b 0000 0000
		05b6 fbba 0000 c40a 05ed 09b4 7fff 05ec a006 1410 28f9 0721 0057 0000 0000 0000
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
		0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09b4 0015 0032 0032 0032 003c 017c 0000
		0000 0000 0000 0000 0000 0001 0026 0000 0000 0000 00ed 0000 01b0 009b 0057 0201
		0000 016b 0000 0010 0184 0185 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
		0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000

0000 0000 0006 2000 2eff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 4332 3036 0000 0000 5748 5000 544f 4100 2020 2020 2020 2020
2020 0000 4350 4634 3230 0000 0000 0035 3634 0000 0058 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:09.890 362 2 0006 +338 -315 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-31.50 +6.37 281 32.13 3202 281 32.09 57.03 175.92 462 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
133 +17329 +17200 +17184 +17120 -13 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0002 1702 0002 1d8a 0002 1905 0039 d1d8 fbf7 ff91 f040 032f 0000 0000
1810 e999 0000 c826 2018 0006 7fff 2024 0000 0e42 2bfb 20e0 016a 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:09.890 84 N774CS 2 3376 3376 1W +145 -153 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-24.06 +7.50 287 25.20 3269 287 25.21 64.45 175.16 211 INHIBIT MSAW PROCESS: YES
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
136 +10329 +10200 +10193 +10151 -8 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 3d3d 0001 42ca 0001 3e88 0039 d223 fbf7 ffb9 f3f8 03c0 0000 0000
0a5b f51e 0000 cc5c 1936 06fe 7fff 1934 0000 101d 2bca 0f06 0054 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 06fe 0003 012c ffff f830 0037 01ab 0000
0000 0000 0000 00db 0000 0007 002e 0000 0000 0000 00a9 0000 0215 0249 0054 0250
0000 0000 0000 005e 0091 014a 0000 0000 0000 0000 0000 0000 0000 03cb ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2056 2eff 0000 0000 0000 0000 0000 0101 0003 0000 0001 0001 0502

0001 0000 0000 0043 4332 3130 0000 0000 5341 3900 544f 4100 2020 2020 2020 2020
2020 0000 4e37 3734 4353 0000 0000 0036 3032 0000 0057 0000 0000 0020 0000 004f
4646 5620 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

01:03:09.890 Delete Track Msg 1704 0008 0120 0810

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:09.680	28	13.91	3280	288	4				74.19		169.34	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:09.890	Radar Report Msg	0b01 001c 0039 d2ee 128c 2a56 06f4 3340 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.13	3333	293	4					81.92		164.80	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 d2ee 147b 2933 0290 3414 0204 0400 0004 0101 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
	7.75	3356	295	5					79.94	166.67	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 d2ee 13fc 29ab 03e0 3470 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
	9.97	3371	296	3					78.34	168.28	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 d2ee 1396 2a12 04fc 34ac 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
	7.13	3433	302	4					80.98	166.86	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 d2ee 143f 29b7 0390 35a4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS

7.06	3427	301	4		80.98	166.77	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:09.900	Radar Report Msg	0b01 001c 0039 d302 143f 29b1 0388 358c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
9.03	3507	308	1			80.41		168.92	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:09.900	Radar Report Msg	0b01 001c 0039 d366 141a 2a3b 0484 36cc 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
13.72	3471	305	5			76.97		172.22	5		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 d366 133e 2b0e 06dc 363c 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	44.22	3435	302	4					55.41	193.92	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 d366 0dda 307b 161c 35ac 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	8.81	3535	311	4					80.84	168.95	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 d366 1436 2a3d 0468 373c 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:09.990	194	DDA77	2	4043	4043	0	+411	-337	ARR

RADAR-ONLY: NO

FIRMNESS: 36

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS
-48.88	+22.56	294	53.83	3355 295	53.80	44.31	195.97	532

ALTITUDE FIRMNESS: 7

VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
129	+22400	+22400	+22387	+22044	-74	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:09.990	Active Track Maintenance Msg	1700 0058 0002 b0e5 0002 bc00 0002 bb9d 0039 d283 0000 fdb0 e78f 0b48 0000 0000 1d43 e7fc 0001 d1b2 35cd 0823 7fff 35d8 0000 0b14 30fe 25db 00c2 0000 0000 0000 071f 2400 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0823 0000 0136 ffff 0172 0044 0204 0000
		0000 0000 0000 0000 0000 0007 0007 0000 0000 0000 00ab 0000 0000 0000 00c2 0000
		0000 0000 0000 00c8 0155 0189 0000 0000 0000 0000 0000 0000 0000 023d ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0100 0000 0100 0000 0000 0000 0100 0000 0100 0000 0100 0000
		0100 0000 0001 0000 0001 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0005 2000 2fff 0000 0000 0000 0000 0000 0100 0000 0000 0001 0000 0102
		0001 0000 0000 0043 4c4a 3335 0000 0000 4649 4d00 564e 5900 2020 2020 2020 2020
		2020 0000 4444 4137 3700 0000 0000 0033 3535 0000 0000 0000 0000 0020 0000 0000
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG X	QUA NM	BEACON Y	ALT NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:09.780	29	1.63	3582	315	0		85.22	162.77	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:10.000	Radar Report Msg	0b01 001c 0039 d3d4 154e 28b1 00d0 37f8 0200 0000 0000 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG X	QUA NM	BEACON Y	ALT NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		4.94	3685	324	2		84.06	166.17	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg	0b01 001c 0039 d3d4 1504 298b 0278 3994 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	5.22	3673	323	2			83.86		166.41	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 d3d4 14f7 299a 029c 3964 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE ASSIGNED	BEACON CODE REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:10.120	51	2		1331		-201	+277		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-22.34	+14.54	303	26.61	3447 303	26.66	68.16	181.20	342	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
324	+31000	+31000	+31000	+31000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:10.120	Active Track Maintenance Msg	1700 0058 0003 c8c0 0003 c8c0 0003 c8c0 0039 d2ed 0000 0000 f4d4 0745 0000 0000 f1ac 13b6 0000 d77f 1aaa 02d9 7fff 1aa8 0001 110a 2d4d 185e 0033 0000 0000 0100 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE ASSIGNED	BEACON CODE REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:10.120	392	2		7304		-249	+249		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-23.07	+18.92	309	29.80	3520 309	29.83	68.38	185.83	352	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
315	+21600	+21600	+21574	+21725	+32	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0002 a6ea 0002 a300 0002 a237 0039 d33e 0000 0106 f477 0976 0000 0000
ee48 11bb 0000 dc0f 1dd5 0ec4 7fff 1dd8 0000 1118 2e75 1911 0188 0000 0000 0310
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:10.120	56	2	4752		-129	+191			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-26.13	+19.94	307	32.86	3495 307	32.88	65.59	187.70	231	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
325	+12029	+11900	+11900	+11900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 73e0 0001 77ea 0001 73e0 0039 d324 fbf7 0000 f2ef 09f8 0000 0000 f6c7 0d99 0000 da7e 20e0 09ea 7fff 20e0 0000 1066 2eed 106f 0038 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
5.06	3681	324	2			83.98	166.28	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:10.120	Radar Report Msg	0b01 001c 0039 d438 14ff 2992 0288 3984 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
4.75	3700	325	4			84.23	166.02	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 d438 150f 2981 0260 39d0 0204 0400 0001 0303 1d00 0000
01:03:10.220	Delete Track Msg	1704 0008 004c 0310

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:10.220	59	2	4603	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+55.89	+13.37	76	57.44	870	77 57.46	143.09	160.53	343	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+22500	+22500	+0	+22500	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:10.220	Active Track Maintenance Msg	1700 0058 0002 bf20 0002 bf20 0000 0000 0000 0000 0000 0000 1bf2 06af 0000 0000 0000 0000 0000 366f 3977 0983 366f 3977 0000 23c6 2822 1870 003b 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:10.220	400		2	4675		-189	-42		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-39.16	+33.66	310	51.59	3534 311	51.64	56.47	204.28	193	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
257	+14029	+13900	+13900	+13900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:10.220	Active Track Maintenance Msg	1700 0058 0001 b260 0001 b66a 0001 b260 0039 d34e fbf7 0000 ec6c 10d5 0000 0000 f28d fd03 0000 dceb 33a3 09bd 7fff 33a4 1d00 0e1e 3312 0dc7 0190 0000 0000 9d2a 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:10.440	322	N900RL	2	3601	3601	1F	-17	-274	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: YES
-10.27	+14.66	325	17.86	3696 325	17.91	79.58	178.59	274	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
183	+7729	+7600	+7650	+7622	-6	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:10.440 Active Track Maintenance Msg 1700 0058 0000 ee34 0000 f18a 0000 ef10 0039 d406 fbf7 ffcf fade 0755 0000 0000
fec6 ec81 0000 e706 11e8 0781 7fff 11e8 0003 13e5 2ca6 1389 0142 0000 0000 0100
031f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0781 0001 0122 ffff 01c2 0037 01b6 0000
0000 0000 0000 0084 0000 0001 008a 0000 0000 0000 008f 0000 012b 00a5 0142 009b
0000 01c6 0000 01cb 000c 020d 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0100 0000 0000 0000 0000 0100 0003 0000 0001 0001 0702
0001 0000 0000 0031 474c 4634 0000 0000 504d 4400 5656 5600 2020 2020 2020 2020
2020 0000 4e39 3030 524c 0000 0000 0035 3736 0000 0046 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: DEP
01:03:10.440 74 N40905 2 6701 6701 0 -57 +76 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-8.45 +14.91 330 17.10 3760 330 17.13 81.39 178.33 96 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
323 +10029 +9900 +9903 +9903 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0001 357f 0001 396a 0001 357b 0039 d44c fbf7 0001 fbc7 0774 0000 0000
fbe1 0575 0000 eb04 1122 0dc1 7fff 1124 0000 1459 2c95 06d6 004a 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0dc1 0000 0064 0064 0064 058a 0094 0000
0000 0000 0000 0000 0000 0058 0005 0000 0000 0000 029c 0000 01cc 012f 004a 01c6
0000 0213 0000 0001 0134 005a 0000 0000 0000 0000 0000 0000 0000 00dc ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 9900 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
0001 0000 0000 0043 5032 3852 0000 0000 4d59 4600 4c48 5300 2020 2020 2020 2020
2020 0000 4e34 3039 3035 0000 0000 0035 3837 0000 0000 0000 0000 0020 0000 0056
3539 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

01:03:10.440 Delete Track Msg 1704 0008 0175 0710

END TIME START TIME TARGET REPORTS: LIVE SIMULATED VALID MODE-C: 1
01:03:10.220 01:03:05.670 RADAR-ONLY 105 0 100.0%
SENSOR = 2 BEACON-ONLY 0 0
RADAR & BEACON 1 0 VALID MODE-3/A: 0
TOTAL 106 0 .0%

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:10.440	Sensor Sector Mark Msg	1715 000c 0039 d58c 0000 0200

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG X	QUA NM	BEACON Y	ALT NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:10.220	0	7.75	3852	339	3	84.88	169.36	3	RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:10.440	Radar Report Msg	0b01 001c 0039 d51e 1538 2a57 03e0 3c30 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	44.78	3892	342	4			83.22	206.50	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:10.460	Radar Report Msg	0b01 001c 0039 d582 14ce 33a0 1664 3cd0 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	8.63	3977	350	2			86.39	170.28	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 d582 1599 2a92 0450 3e24 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:10.550	384	2	1200		+113	+22			RADAR-ONLY: NO

FIRMNESS: 20

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
-35.80	-2.26	266	35.82	3032 266	35.86	50.59	168.72	115	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
78	+5629	+5500	+5500	+5500	+0	+0	00111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:10.550	Active Track Maintenance Msg	1700 0058 0000 abe0 0000 afea 0000 abe0 0039 d117 fbf7 0000 ee19 fedf 0000 0000

0817 019a 0000 bd81 23db 0280 7fff 23e0 0000 0ca6 2a2e 083f 0180 0000 0000 0000
0507 1400 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:03:10.560	358	DSO92	2	7303	7303	0	+11	+296	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4
-2.41	+10.16	346	10.40	3942 347	10.40	86.00	172.00	296	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
2	+15329	+15200	+15218	+15265	+10	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:10.560	Active Track Maintenance Msg	1700 0058 0001 dd0c 0001 df0a 0001 db97 0039 d51b fbf7 0051 fecb 0515 0000 0000
		00d3 1513 0000 f66f 0a67 0ec3 7fff 0a74 0039 1580 2b00 1517 0166 0000 0000 0d4f
		041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0200 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0ec3 0000 0172 0172 0172 003c 010c 0000
		0000 0000 0000 0000 0000 0005 0005 0000 0000 0000 00c9 0000 016c 002d 0166 0154
		0000 000a 0000 01cd 0187 0113 0000 0000 0000 0000 0000 0000 0000 01ef ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
		0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0005 2000 af00 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
		0001 0000 0000 0043 4639 3030 0000 0000 564e 5900 504d 4400 2020 2020 2020 2020
		2020 0000 4453 4f39 3200 0000 0000 0032 3133 0000 0000 0000 0000 0020 0000 0000
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
01:03:10.330	1	11.09	4051	356	1				87.81	172.61	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:10.560	Radar Report Msg	0b01 001c 0039 d5f0 15f4 2b27 058c 3f4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
		9.06	53	5	4				88.72	170.25	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 d5f0 162e 2a90 0488 00d4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT			
5.81	27	2	3				87.41	167.17	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 d5f0 15da 29cb 02e8 006c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT			
5.88	53	5	2				87.64	167.16	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 d5f0 15e9 29ca 02f0 00d4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:10.660	3	10.34	195	17	1		91.14	170.52	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:10.890	Radar Report Msg	0b01 001c 0039 d6e0 16c9 2aa1 052c 030c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		6.56	198	17	5		89.14	167.22	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:10.900	Radar Report Msg	0b01 001c 0039 d6ea 1649 29ce 0348 0318 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		6.16	179	16	3		88.77	166.95	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 d6ea 1631 29bd 0314 02cc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		10.28	238	21	5		91.67	170.08	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 d6ea 16eb 2a85 0524 03b8 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X	NM	SYSTEM Y	NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
10.66	243	21	1				91.95	170.34	1			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 d6ea 16fd 2a96 0554 03cc 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X	NM	SYSTEM Y	NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
17.47	259	23	7				96.33	175.64	7			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 d6ea 1815 2be9 08bc 040c 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	28.53	307	27	3			104.69	183.11	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 d6ea 1a2c 2dc7 0e44 04cc 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:11.110	451	2		7211		+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+32.10	-22.66	125	39.24	1424 125	39.29	111.03	131.75	122	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
0	+629	+500	+0	+629	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:11.110	Active Track Maintenance Msg	1700 0058 0000 13aa 0000 13aa 0000 0000 0000 0000 fbf7 0000 100d f4ab 0000 0000 0000 0000 0000 590c 274b 0e89 590c 274b 0000 1bc2 20f0 08af 01c3 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
01:03:10.890	4	19.28	467	41	3		101.64	172.66	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:11.110	Radar Report Msg	0b01 001c 0039 d82a 1969 2b2a 09a4 074c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.22	475	42	4					91.63		165.72	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 d82a 16e8 296e 039c 076c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.38	516	45	1					92.00		165.42	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 d82a 1700 295b 03b0 0810 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:11.430	3	2	7220		+329	+373			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+34.05	+20.98	58	39.93	663 58	39.99	123.84	173.45	498	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
41	+23700	+23700	+23698	+23796	+21	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:11.430	Active Track Maintenance Msg	1700 0058 0002 e7a1 0002 e4a0 0002 e492 0039 d877 0000 00aa 1107 0a7e 0000 0000 1768 1a98 0000 2976 27fd 0e90 2980 2800 0005 1ef6 2b5d 236d 0003 0000 0000 d906 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:11.220	7	3.69	697	61	2		88.97	162.64	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:11.440	Radar Report Msg	0b01 001c 0039 d8fc 163e 28a9 01d8 0ae4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
		4.03	731	64	7		89.39	162.55	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:11.450	Radar Report Msg	0b01 001c 0039 d974 1659 28a3 0204 0b6c 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	3.91	778	68	2			89.30		162.27	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 d974 1653 2891 01f4 0c28 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.34	858	75	1			89.80		161.83	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:11.550	Radar Report Msg	0b01 001c 0039 d99c 1673 2875 022c 0d68 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.28	915	80	1			89.70	161.48	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 d99c 166d 285f 0224 0e4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	12.28	979	86	3			97.72	159.56	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:11.550	Radar Report Msg	0b01 001c 0039 d9ec 186e 27e4 0624 0f4c 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:11.650	532	EJA631	2	4757	0	-278	-153		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+11.02	+30.01	20	31.95	229 20	31.96	104.05	188.00	0	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
241	CST	CST	+0	+0	+0	+0	00000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:11.650	Active Track Maintenance Msg	1700 0058 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0583 0f01 0000 0000

ec29 f50d 0000 0e58 1ff7 09ef 0e58 1ff7 0000 1a03 2f00 0001 0214 0001 0000 0000
0000 3f00 0201 1000 0000 0000 0000 0000 0100 0000 0000 0100

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09ef 0000 0172 ffff ffff 003c 026d 0000
0000 0000 0000 0000 0001 0001 0001 0001 0000 0000 0000 009a 0000 003e 01bd 0214 01a5
0000 00ec 0000 01c8 005b 0124 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2fff 0100 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0702
0101 0000 0000 0031 4335 3658 0000 0000 504d 4400 564e 5900 2020 2020 2020 2020
2020 0000 454a 4136 3331 0000 0000 0039 3135 0000 0000 0000 0000 0020 0000 0000
0000 2020 2000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X NM	Y NM	COR STAT	SYSTEM ALT	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:03:11.430	8	5.28	973	86	4		90.70	160.94	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:11.670	Radar Report Msg	0b01 001c 0039 da50 16ad 283c 02a4 0f34 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X NM	Y NM	COR STAT	SYSTEM ALT	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	46.78	1111	98	5		129.00	144.08	5				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 da50 2040 2405 1764 115c 0205 0500 0005 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:11.770	6	2	1274		-5	+5			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+37.57	+17.84	64	41.57	735 65	41.57	126.63	169.58	7	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	SLID WINDOW
312	-770	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:11.770	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e7eb ffff e3e1 0039 d8c6 fbf7 0000 12c9 08eb 0000 0000

ff97 0060 0000 2df0 2992 02bc 2df0 2998 0001 1fa8 2a65 008f 0006 0000 0000 0100
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:11.770	311	2	3275		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+26.17	-24.99	133	36.11	1520 134	36.19	104.70	131.02	229	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:11.770	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0d16 f381 0000 0000
		0000 0000 0000 5f0f 2430 06bd 5f0f 2430 0000 1a2d 20c1 1056 0137 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:11.770	245	2		5266	+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+47.08	-4.04	94	47.23	1079	95 47.25	130.25	145.94	165	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+4029	+3900	+0	+4029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 7dea 0000 7dea 0000 0000 0000 0000 fbf7 0000 178a fdfb 0000 0000 0000 0000 0000 437c 2f40 0ab6 437c 2f40 0000 2090 247c 0bc4 00f5 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:11.880	72	2			+349	+390			RADAR-ONLY: NO

FIRMNESS: 33

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: NO
+36.09	+44.61	39	57.32	443	39 57.39	131.81	195.73	523	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
41	CST	CST	+29000	+29000	+0	+0	11110

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:11.880 Active Track Maintenance Msg 1700 0058 0003 8a40 0003 8a40 0003 8a40 0039 b334 0000 0000 120b 164e 0000 0000
18d4 1bc9 0000 1bb5 3963 040b 1bb0 380c 4019 20f4 30ef 2543 0048 0000 0000 002c
031e 2100 0203 1001 0303 0000 0000 0001 0100 0000 0000 0101

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:11.680	10	29.13	1113	98	7		112.63		150.70	7		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:11.890	Radar Report Msg	0b01 001c 0039 db36 1c28 25ad 0e90 1164 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		2.94	1123	99	0		88.02		160.86	0		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 db36 1601 2837 0178 118c 0200 0000 0000 0000 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
8.03	1155	102	1				92.81	158.36	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 db36 1734 2797 0404 120c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.63	1169	103	4				92.38	158.41	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 db36 1718 279a 03d0 1244 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.97	1200	105	2				90.73	158.95	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 db36 16af 27bd 02fc 12c0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
40.03	1159	102	5				121.53	143.97	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 db36 1e62 23fe 1404 121c 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	7.53	1171	103	4					92.28	158.42	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 db36 1712 279b 03c4 124c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	40.03	1255	110	5					118.53	138.91	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:11.900	Radar Report Msg	0b01 001c 0039 db4a 1da2 22ba 1404 139c 0205 0500 0005 0102 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.22	1267	111	1			89.78	158.92	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 db4a 1672 27bb 029c 13cc 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.34	1290	113	1			91.41	157.42	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 db4a 16da 275b 03ac 1428 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
41.28	1258	111	4			119.44	138.03	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 db4a 1ddc 2282 14a4 13a8 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
21.47	1232	108	5			103.72	150.19	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg	0b01 001c 0039 db4a 19ee 258c 0abc 1340 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	6.31	1250	110	3			90.78		158.38		3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 db4a 16b2 2798 0328 1388 0203 0300 0001 0203 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:11.990	523		2	0646		-242	-95		RADAR-ONLY: NO

FIRMNESS: 36

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+44.55	+0.27	89	44.50	1018 90	44.52	128.88	150.83	260	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
248	+13529	+13400	+13445	+13381	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:11.990	Active Track Maintenance Msg	1700 0058 0001 a22b 0001 a6ca 0001 a428 0039 da07 fbf7 ff91 1646 0023 0000 0000
		eec8 f933 0000 3fae 2c85 01a6 3fc0 2c8c 0000 2038 25b5 1283 020b 0000 0000 0000
		0a1f 2400 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:11.990	519		2	1631		-146	-116		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+54.15	-8.29	98	54.75	1122 99	54.82	136.03	140.11	187	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
231	+8029	+7900	+7900	+7901	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:11.990 Active Track Maintenance Msg 1700 0058 0000 f6ea 0000 faea 0000 f6e7 0039 da7b fbf7 0001 1b13 fbdb 0000 0000
f58e f7b9 0000 462e 36d2 0399 4630 36c8 14cc 2202 2307 0d54 0207 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:11.990	298	2	0771		-216	-34			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+31.24	-4.93	98	31.56	1124	99	31.59	114.70	149.17	219

INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
261	+10129	+10000	+10009	+9947	-13	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 36dd 0001 3c8a 0001 38c9 0039 da7e fbf7 ff96 0f9f fd89 0000 0000
f097 fd95 0000 464c 1f97 01f9 4660 1fa0 0000 1cad 254b 0f9a 012a 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: DEP
01:03:11.990 394 N121NA 2 1320 1320 1X -117 +10 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+20.27 -3.33 99 20.52 1129 99 20.54 104.52 153.50 117 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
275 +5929 +5800 +5800 +5800 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 b540 0000 b94a 0000 b540 0039 da83 fbf7 0000 0a23 fe56 0000 0000
f7aa 00c7 0000 469e 148a 02d0 46a0 148c 0000 1a21 2660 085f 018a 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 02d0 0015 003c 003c 003c 0000 023d 0000
0000 0000 0000 0000 0000 0024 0005 0000 0000 0000 02db 0000 001a 015e 018a 0099
018b 0027 0000 0113 0248 0168 0000 0000 0000 0000 0000 0000 0000 020e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 a4ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102

0001 0000 0000 0043 5041 3434 0000 0000 5241 4c00 5344 3800 2020 2020 2020 2020
2020 0000 4e31 3231 4e41 0000 0000 0036 3932 0000 0058 0000 0000 0020 0000 0046
3036 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:11.990 339 2 2201 -229 -105 RADAR-ONLY: NO
FIRMNESS: 38

DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 3
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+51.25 -11.66 102 52.55 1170 103 52.52 132.36 137.58 252 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
245 +9029 +8900 +8850 +8776 -15 +0 11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 1242 0001 1a2a 0001 1490 0039 dab0 fbf7 ff81 19a0 fa2b 0000 0000 efaf f883 0000 4928 3485 0481 4920 3490 0101 2117 2265 11f3 0153 0000 0000 0000 031f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:03:11.770	11	35.16	1347	118	3		111.41		137.86	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:11.990	Radar Report Msg	0b01 001c 0039 db9a 1bda 2277 1194 150c 0203 0300 0004 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	20.56	1363	120	3			100.39		147.48	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:12.000	Radar Report Msg	0b01 001c 0039 dba4 1919 24df 0a48 154c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	24.59	1300	114	3			104.84		146.42	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 dba4 1a36 249b 0c4c 1450 0203 0300 0004 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	20.91	1322	116	5					101.52	148.20	5		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 dbae 1961 250d 0a74 14a8 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	28.19	1388	122	7					105.06	141.38	7		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 dbae 1a44 2358 0e18 15b0 0207 0700 0003 0302 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:12.090	101	2	3507		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+23.50	-30.82	142	38.75	1623 143	38.75	100.64	126.06	229	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:12.090	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0bc0 f097 0000 0000 0000 0000 0000 6575 26c1 0747 6575 26c1 0000 1929 1f84 104b 0065 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:12.090	527	2	4676		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+22.75	-28.27	141	36.27	1606 141	36.28	100.56	128.72	116	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2229	+2100	+0	+2229	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 45aa 0000 45aa 0000 0000 0000 0000 fbf7 0000 0b60 f1de 0000 0000
0000 0000 0000 6463 2448 09be 6463 2448 0000 1924 202e 084f 020f 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	44.59	1374	121	5				117.02		130.09	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:12.100	Radar Report Msg	0b01 001c 0039 dc08 1d41 2086 164c 1578 0205 0500 0005 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:12.210	361	2	4631		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES INHIBIT MSAW PROCESS: INHIBIT MSAW DISPLAY:
+3.45	-15.38	167	15.75	1904 167	15.75	85.19	146.09	128	

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+429	+300	+0	+429	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:12.210	Active Track Maintenance Msg	1700 0058 0000 0d6a 0000 0d6a 0000 0000 0000 0000 fbf7 0000 01b9 f850 0000 0000 0000 0000 0000 7704 0fc1 0999 7704 0fc1 0000 154c 2486 092c 0169 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:03:12.310	Delete Track Msg	1704 0008 01dc 0410

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:12.320	389	2	1654		-196	-86			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES INHIBIT MSAW PROCESS: INHIBIT MSAW DISPLAY:
+44.90	-14.52	108	47.16	1228 108	47.07	125.48	136.44	214	

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
246	+8829	+8700	+8739	+8700	-9	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:12.320	Active Track Maintenance Msg	1700 0058 0001 0fe1 0001 13ea 0001 111c 0039 daf1 fbf7 ffb1 1673 f8bd 0000 0000
		f209 f9e1 fffc 4ccd 2f12 03ac 4cc0 2f30 0291 1f5f 221c 0f40 0185 0000 0000 0000
		061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:12.320	590	2	4624	-35	-108				RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
+34.09	-13.76	112	36.73	1274 112	36.83	115.25	139.91	114	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
198	+2929	+2800	+2800	+2800	+0	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 5784 0000 5b8a 0000 5783 0039 db25 fbf7 0000 110c f91f 0000 0000
fd7f f848 0000 4fa5 24d5 0994 4fa0 24c4 0000 1cd0 22fa 081e 024e 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:12.320 207 N8451R 2 4647 4647 1X -104 +15 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+7.88 -3.01 110 8.43 1262 111 8.45 92.59 156.95 105 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
278 +6029 +5900 +5904 +5905 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 b889 0000 bc6a 0000 b883 0039 db17 fbf7 0001 03f1 fe7f 0000 0000
f895 0117 0000 4ee2 0872 09a7 4ee0 0870 00e7 1726 273d 077f 00cf 0000 0000 0600
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09a7 0015 003c 003c 003c 0028 0068 0000
0000 0000 0000 0000 0000 0026 0001 0000 0000 0000 00b0 0000 0037 00e1 00cf 0041
0000 0044 0000 01bb 0036 00bd 0000 0000 0000 0000 0000 0000 0000 020c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102

0001 0000 0000 0043 5032 3841 0000 0000 504f 4300 5656 5600 2020 2020 2020 2020
2020 0000 4e38 3435 3152 0000 0000 0036 3633 0000 0058 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:12.320 280 2 6737 +508 +109 RADAR-ONLY: NO
FIRMNESS: 38

DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 8
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+48.00 -20.39 113 52.14 1286 113 52.13 126.89 130.06 519 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
77 +26100 +26100 +26095 +26227 +28 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0003 339f 0003 2fa0 0003 2f79 0039 db32 0000 00e7 1800 f5ce 0000 0000
2425 07c9 0000 5065 3422 0ddf 5060 3428 031c 1fb9 2084 24f9 0118 0000 0000 0001
081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:12.430 431 2 2734 -34 -128 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 6
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+33.13 -18.37 119 37.85 1354 119 37.88 113.16 135.69 132 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
195 +2329 +2200 +2222 +2144 -17 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:03:12.430 Active Track Maintenance Msg 1700 0058 0000 4302 0000 48ca 0000 4572 0039 db7f fbf7 ff73 1090 f6d1 0000 0000
fd8f f6dd fffe 54a9 25e1 05dc 54a0 25e0 0001 1c4a 21ec 0975 01af 0000 0000 0000
061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:12.430 55 2 7230 -248 -95 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+17.35 -10.29 120 20.12 1372 121 20.18 99.94 147.50 266 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
249	+5329	+5200	+5178	+5047	-28	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 9dbb 0000 a68a 0000 a1d1 0039 db94 fbf7 ff1f 08ad fadb 0000 0000 ee4d f933 0000 55c9 142f 0e98 55d0 142c 0000 18fc 24e0 12f6 0037 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:12.230	14	28.00	1611	142	7		97.02		136.25	7			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:12.430	Radar Report Msg	0b01 001c 0039 dd52 1841 2210 0e00 192c 0207 0700 0003 0302 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
19.91	1709	150	4				90.94	142.69	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:12.440	Radar Report Msg	0b01 001c 0039 dd5c 16bc 23ac 09f4 1ab4 0204 0400 0004 0101 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
4.97	1732	152	7				86.83	157.27	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 dd5c 15b5 2751 027c 1b10 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
3.97	1715	151	1				86.67	158.33	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 dd5c 15ab 2795 01fc 1acc 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
18.63	1746	153	6				89.58	143.69	6			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 dd5c 1665 23ec 0950 1b48 0206 0600 0004 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
53.91	1787	157	4					93.50		108.53	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 dd5c 1760 1b22 1af4 1bec 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
22.72	1827	161	3					87.64		139.27	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 dd5c 15e9 22d1 0b5c 1c8c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.03	1763	155	1			86.63	157.16	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 dd5c 15a8 274a 0284 1b8c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:12.530	329	2	4657	-135	+177				RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+25.80	-26.93	136	37.22	1550 136	37.29	103.89	129.28	222	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
322	+7029	+6900	+6900	+6900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:12.530	Active Track Maintenance Msg	1700 0058 0000 d7a0 0000 dbaa 0000 d7a0 0039 dc5b fbf7 0000 0ce6 f289 0000 0000
		f664 0c9b 0000 60e5 254b 09af 60e0 254c 048a 19f9 2052 0fda 0149 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:12.530	561	2	4745	-149	+119				RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
+18.38	-18.77	135	26.25	1543 136	26.28	98.78	139.03	191	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
308	+6429	+6300	+6289	+6185	-22	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 c14b 0000 c8ea 0000 c488 0039 dc53 fbf7 ff4e 0931 f69d 0000 0000
		f55d 0887 0000 6071 1a48 09e5 6070 1a48 0001 18b2 22c2 0da2 0231 0000 0000 0100
		091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
01:03:12.330	15	4.09	1784	157	4			86.33	158.13	4	RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:12.540	Radar Report Msg	0b01 001c 0039 ddca 1595 2788 020c 1be0 0204 0400 0001 0303 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
14.09	1850	163	3				86.44	147.86	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ddca 159c 24f7 070c 1ce8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
4.13	1811	159	2				86.17	158.06	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:12.550	Radar Report Msg	0b01 001c 0039 ddd4 158b 2784 0210 1c4c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
21.19	1832	161	5				87.34	140.78	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ddd4 15d6 2332 0a98 1ca0 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
4.06	1857	163	4				85.91	158.11	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 ddd4 157a 2787 0208 1d04 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.06	1819	160	3			86.13		158.13	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ddd4 1588 2788 0208 1c6c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	6.66	1886	166	2			85.72		155.38	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ddd4 156e 26d8 0354 1d78 0202 0200 0001 0103 1d00 0000

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:12.650	328	2	6655		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+21.26	-23.03	137	31.31	1562 137	31.34	100.45	134.16	196	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1929	+1800	+0	+1929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:12.650	Active Track Maintenance Msg	1700 0058 0000 3c4a 0000 3c4a 0000 0000 0000 0000 fbf7 0000 0aa1 f47c 0000 0000 0000 0000 0000 61a1 1f57 0dad 61a1 1f57 0000 191d 218a 0e02 0148 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:12.650	98	2	3253		+197	-24			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+7.45	-9.15	140	11.77	1597 140	11.75	90.64	151.14	199	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
97	+6029	+5900	+5918	+5725	-47	-2	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:12.650 Active Track Maintenance Msg 1700 0058 0000 b2ed 0000 bc6a 0000 b8f3 0039 dc97 fbf7 fe83 03b9 fb6d 0000 0000
0e0f fe3f ffec 63dd 0bc0 06ab 6430 0bcc 4011 16a9 25c9 0e2b 0062 0000 0000 003c
041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:12.650	278	2	4613		+251	+73			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID
+14.77	-22.02	146	26.48	1663 146	26.49	94.47	136.81	262	FIRMNESS: 7 ALTITUDE: YES INHIBIT MSAW PROCESS: INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
73	+6029	+5900	+5925	+5945	+4	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 b9cb 0000 bc6a 0000 b929 0039 dcda fbf7 0023 0762 f4fd 0000 0000
11e5 053d 0000 67fb 1a7e 098b 67f0 1a84 a00e 179e 2234 12a5 0116 0000 0000 003c
071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:12.650 406 2 4622 -147 -2 RADAR-ONLY: NO
FIRMNESS: 27
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 7
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+13.20 -21.94 149 25.59 1694 149 25.64 92.97 137.28 147 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
269 +4029 +3900 +3900 +3900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 79e0 0000 7dea 0000 79e0 0039 dcfe fbf7 0000 069a f508 0000 0000
f57a ffd3 0000 69ea 19a3 0992 69f0 199c 2a4d 173e 2252 0a86 0196 0000 0000 b304
071f 1b00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:12.650 312 2 3220 -160 -70 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 8
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+7.67 -14.03 151 15.94 1724 152 16.13 89.64 146.33 174 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
246	+2229	+2100	+2105	+1970	-29	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 3d94 0000 45aa 0000 41cf 0039 dd1d fbf7 ff15 03d6 f8fc 0000 0000 f49e fb03 0000 6bcb 1021 0690 6ba0 1000 a00e 1669 2495 0c6d 0138 0000 0000 0000 081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:12.650	530	2	4643		-272	+190			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+25.08	-45.57	151	52.00	1720 151	52.00	98.45	111.52	332	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
305	+20000	+20000	+20000	+20000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 7100 0002 7100 0002 7100 0039 dd1b 0000 0000 0c8a e937 0000 0000 eca2 0d86 0000 6b81 3400 09a3 6b80 3404 00bb 189d 1be1 179f 0212 0000 0000 1000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:12.650	7	2	1275		+3	-7			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+41.63	-14.47	109	44.05	1241 109	44.14	122.34	137.33	8	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
158	+0	+0	+0	+0	+0	00000	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 0000 0000 0000 0000 0000 0039 db01 0000 0000 14d1 f8c4 0000 0000
0039 ff76 0000 4d99 2c23 02bd 4da0 2c14 0106 1e96 2255 0096 0007 0000 0000 0000
0000 2600 0203 1000 0300 0100 0000 0001 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:12.750	321	2	4665		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+39.39	-4.08	95	39.58	1091	96	39.60	122.81	147.86	205	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+3129	+3000	+0	+3129	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:12.750	Active Track Maintenance Msg	1700 0058 0000 61ca 0000 61ca 0000 0000 0000 0000 fbf7 0000 13b2 fdf6 0000 0000 0000 0000 0000 4434 2799 09b5 4434 2799 0000 1eb4 24f7 0e9f 0141 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:12.540	16	5.19	1885	166	2		85.73		156.91		2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:12.750	Radar Report Msg	0b01 001c 0039 de9c 156f 273a 0298 1d74 0202 0200 0001 0103 1d00 0000
01:03:12.970	Delete Track Msg	1704 0008 00a9 0010
01:03:12.970	Delete Track Msg	1704 0008 0226 0510

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:12.770	18	4.16	2003	176	1		85.05		158.08		1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:12.980	Radar Report Msg	0b01 001c 0039 df14 1543 2785 0214 1f4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		5.41	2109	185	2		84.00		156.98		2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 df14 1500 273f 02b4 20f4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	ALT NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	31.38	2166	190	5			72.50		133.45		5		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:13.000	Radar Report Msg	0b01 001c 0039 df8c 1220 215d 0fb0 21d8 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	ALT NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	42.53	2267	199	4			62.05		126.58		4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 df8c 0f83 1fa5 1544 236c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
4.44	2219	195	1						83.72	158.25	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 df8c 14ee 2790 0238 22ac 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:13.090	219		2	1060	-402	-148			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+4.99	-15.93	162	16.63	1849 163	16.71	86.52	146.14	429	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
249	+35000	+35000	+35000	+35000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:13.090	Active Track Maintenance Msg	1700 0058 0004 45c0 0004 45c0 0004 45c0 0039 ddad 0000 0000 027f f809 0000 0000
		e360 f571 0000 7393 10b7 0230 73a0 10b4 1700 15a1 2489 1e82 00db 0000 0000 f0b4
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:13.090	176		2	4772	+190	+65			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
+2.14	-10.91	169	11.08	1917 169	11.11	85.08	150.77	200	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
71	+5329	+5200	+5173	+5039	-20	+3	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 9d7d 0000 a68a 0000 a1aa 0039 ddfe fbf7 ff5f 0112 fa8c 0000 0000
		0d84 04a5 001e 77dd 0b1c 09fa 7820 0b20 1700 1545 25b1 0e4a 00b0 0000 0000 c97d
		041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK	AIRCRAFT	SENSOR	----BEACON CODE---		CONTROLLER	VELOCITY	VELOCITY	LIVE/SIMULATED:
	NUMBER	ID/LINK	NUMBER	ASSIGNED	REPORTED	KEYBOARD	X KNOTS	Y KNOTS	ARR/DEP/OVERFLIGHT:
01:03:13.090	449	2		7242		-308	+150		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4
+3.09	-35.33	175	35.44	1991 175	35.47	79.88	127.27	343	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
296	+32100	+32100	+32125	+32161	+8	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0003 ed0e 0003 eb20 0003 ebe9 0039 de4b 0000 0040 018c ee56 0000 0000
		ea15 0aba 0000 7c7e 2379 0ea2 7c70 2378 1700 13f8 1fd1 1867 01c1 0000 0000 f2c8
		041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK	AIRCRAFT	SENSOR	----BEACON CODE---		CONTROLLER	VELOCITY	VELOCITY	LIVE/SIMULATED:
	NUMBER	ID/LINK	NUMBER	ASSIGNED	REPORTED	KEYBOARD	X KNOTS	Y KNOTS	ARR/DEP/OVERFLIGHT:
01:03:13.090	310	2		1051		+419	+104		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
+1.42	-33.13	177	33.15	2020 178	33.16	78.80	129.59	432	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
76	+20400	+20400	+20432	+20599	+36	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:13.090 Active Track Maintenance Msg 1700 0058 0002 83bf 0002 7d80 0002 7e85 0039 de6c 0000 0121 00b6 ef70 0000 0000
1dd2 0770 0000 7e43 2129 0229 7e40 2128 0001 13b3 2066 1ebc 0136 0000 0000 b6e2
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:13.090	160	2	4645		+70	+307			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
+1.16	-17.13	176	17.16	2004 176	17.22	82.56	145.06	315	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
12	+11329	+11200	+11185	+11339	+33	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 625a 0001 620a 0001 5d8c 0039 de5a fbf7 010b 0094 f770 0000 0000
		0500 15e2 0000 7d49 1139 09a5 7d40 112c 1716 14a4 2444 1673 00a0 0000 0000 0303
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:13.090	580	2	4614		-90	+39			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+0.43	-18.80	178	18.75	2033	179	18.79	81.42	143.55	98 INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
293	+4329	+4200	+4183	+4242	+12	+0	00011

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 8497 0000 874a 0000 82bb 0039 de7b fbf7 0067 0037 f699 0000 0000
		f98e 02cb 0000 7f1e 12ca 098c 7f10 12d0 0000 145b 23e3 0706 0244 0000 0000 0000
		0403 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT COR X NM	ALT COR Y NM	SYSTEM STAT	SYSTEM PROC	STR	SC	TYP	SYS
01:03:12.870	19	26.22	2330	205	3		69.14	141.64	3	RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:13.190	Radar Report Msg	0b01 001c 0039 e05e 1149 2369 0d1c 2468 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE--- ASSIGNED	BEACON CODE--- REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:13.420	49	2	6311	+369	-97				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-14.45	-43.27	198	45.59	2256 198	45.61	60.86	123.67	382	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
104	+11929	+11800	+11807	+11662	-33	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:13.420	Active Track Maintenance Msg	1700 0058 0001 6c70 0001 74ca 0001 70f8 0039 df78 fbf7 fef3 f8c7 ea5d 0000 0000
		1a4c f916 fff9 8d0d 2d9b 0cc9 7fff 2da0 0039 0f37 1eeb 1b31 0031 0000 0000 0200
		041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:13.230	21	14.59	2499	220	3		73.98		153.38	3						RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:13.440	Radar Report Msg	0b01 001c 0039 e0e0 127f 2658 074c 270c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		5.56	2506	220	1		81.41		158.78	1						RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e0e0 145a 27b2 02c8 2728 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		43.41	2516	221	4		49.89		137.47	4						RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e0e0 0c79 225e 15b4 2750 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		29.81	2530	222	7		60.80		145.64	7						RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 e0e0 0f33 2469 0ee8 2788 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.56	2531	222	1						81.30		158.95		1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e0e0 1453 27bd 02c8 278c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.97	2582	227	4						80.72		159.11		4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e0e0 142e 27c7 02fc 2858 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
6.44	2593	228	2			80.23	158.97	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:13.450	Radar Report Msg	0b01 001c 0039 e144 140f 27be 0338 2884 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
3.28	2579	227	3			83.27	160.47	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e144 14d1 281e 01a4 284c 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:13.540	379	2	6312	+301	-8		RADAR-ONLY: NO		

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
-9.39	-12.51	216	15.63	2465 217	15.62	73.58	152.17	301	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
91	+9729	+9600	+9604	+9533	-15	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:13.540	Active Track Maintenance Msg	1700 0058 0001 29ea 0001 300a 0001 2c24 0039 e064 fbf7 ff84 fb4e f9bf 0000 0000

156e ff6c 0000 9a1f 0f9e 0cca 7fff 0fa4 0000 1265 260b 1570 017b 0000 0000 0000
061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:13.320	22	6.75	2635	232	4		79.77	159.20	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:13.540	Radar Report Msg	0b01 001c 0039 e1a8 13f1 27cd 0360 292c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		7.22	2667	234	1		79.20	159.33	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e1a8 13cd 27d5 039c 29ac 0201 0100 0001 0000 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
10.13	2654	233	2				76.50	158.08	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e1a8 1320 2785 0510 2978 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
8.69	2659	234	3				77.83	158.69	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e1a8 1375 27ac 0458 298c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
24.72	2755	242	1				61.77	156.20	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e1a8 0f71 270d 0c5c 2b0c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:13.640	275	2		0257		+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X	DISPLAY NM	DISPLAY Y	DISPLAY NM	PRED_AZIM AZI DEG	PREDICTED RANGE NM	SYSTEM ACP	SYSTEM DEG	SYSTEM RANGE NM	SPEED X NM	SPEED Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES

+36.34 +0.35 89 36.31 1017 89 36.34 121.00 152.92 86 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1729	+1600	+0	+1729	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:13.640	Active Track Maintenance Msg	1700 0058 0000 360a 0000 360a 0000 0000 0000 0000 fbf7 0000 122c 002d 0000 0000 0000 0000 0000 3f9b 2458 00af 3f9b 2458 0000 1e40 263b 062e 0113 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:13.530	23	15.75	2746	241	2		70.56		158.05	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:13.830	Radar Report Msg	0b01 001c 0039 e22a 11a4 2783 07e0 2ae8 0202 0200 0001 0103 1d00 0000

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TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	4.38	2714	239	2				81.88		160.66	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e22a 1478 282a 0230 2a68 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	8.75	2746	241	4				77.42		159.75	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e22a 135b 27f0 0460 2ae8 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	11.09	2820	248	1				74.89		160.41	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e22a 12b9 281a 058c 2c10 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	2.00	2794	246	7				84.61		161.64	7		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 e234 1527 2869 0100 2ba8 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
15.28	2839	250	4				70.66		160.30	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e234 11aa 2813 07a4 2c5c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
15.06	2865	252	4				70.83		160.92	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e234 11b5 283b 0788 2cc4 0204 0400 0001 0303 1d00 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:13.860 8 2 1273 -1 +0 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-37.78 -33.20 228 50.26 2602 229 50.30 40.83 139.30 1 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
248 -899 -899 -899 -899 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:03:13.860 Active Track Maintenance Msg 1700 0058 ffff e3e1 ffff e3e1 ffff e3e1 0039 e0fb 0000 0000 ed1c ef66 0000 0000
ffeb fff8 0000 a2a0 324d 02bb 7fff 324c 0006 0a35 22d3 0017 0008 0000 0000 e284
0a1f 2603 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:13.860 304 2 7342 -313 +159 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-25.04 -22.06 228 33.34 2600 229 33.35 56.41 147.06 351 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
297 +35000 +35000 +34988 +34987 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0004 455e 0004 45c0 0004 4560 0039 e0fa 0000 0000 f37b f4f8 0000 0000
e9b6 0b54 0000 a289 215a 0ee2 7fff 2160 a008 0e1a 24c4 1900 0130 0000 0000 0303
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:13.860	586	2	4673		+312	+15			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-21.27	-12.21	240	24.50	2732 240	24.55	62.16	155.42	312	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
87	+10829	+10700	+10681	+10626	-11	+0	11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 4c13 0001 526a 0001 4dcb 0039 e18d fbf7 ffa2 f55d f9e5 0000 0000
		1634 0123 0000 aaca 188d 09bb 7fff 1888 0000 0f8a 26db 163c 024a 0000 0000 0000
		041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:13.780	25	11.97	2843	250	1			73.97	160.70	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:13.980	Radar Report Msg	0b01 001c 0039 e2f2 127e 282d 05fc 2c6c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		14.69	2936	258	2			71.19	162.53	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e2f2 11cc 28a2 0758 2de0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		35.75	3059	269	4			51.06	170.19	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:13.990	Radar Report Msg	0b01 001c 0039 e374 0cc4 2a8c 11e0 2fcc 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
13.75	3122	274	4			72.86	166.30	4		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e374 1237 2993 06e0 30c8 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:14.080	591	N31F	2	0260	0260	1Y	+36	+65	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
-8.23	-3.79	245	9.00	2790 245	9.03	76.86	160.27	74	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: YES

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
29	+2129	+2000	+1998	+1963	-7	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:14.080	Active Track Maintenance Msg	1700 0058 0000 3d5d 0000 428a 0000 3e76 0039 e1cf fbf7 ffc4 fbe2 fe1b 0000 0000
		0297 04a9 0000 ae64 0907 00b0 7fff 0910 0000 1337 2811 0555 024f 0000 0000 0000
		051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 00b0 008a 0104 ffff ffff 003d 000e 0000
		0000 0000 0000 0000 0000 008a 008a 0000 0000 0000 0000 0000 0000 00c9 0215 024f 015c
		0000 00b1 0000 013a 00d7 00d5 0000 0000 0000 0000 0000 0000 0000 0448 ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0000 0000 0100 0000 0001 0000
		0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0004 2020 2fff 0000 0000 0000 0000 0000 0000 0000 0000 0001 0702
		0001 0000 0000 0043 0000 0000 0000 0000 0000 0000 564e 5900 2020 2020 2020 2020
		2020 0000 4e33 3146 0000 0000 0000 0000 0000 0000 0059 0000 0000 0020 564e 5900
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:14.080	173	2	6307		+499	-223			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-18.05	-9.48	242	20.32	2757 242	20.40	66.59	157.41	547	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
114	+33000	+33000	+33000	+33000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 0740 0004 0740 0004 0740 0039 e1a9 0000 0000 f6f9 fb43 0000 0000 2383 f015 0000 ac5c 1466 0cc7 7fff 1464 a012 10a6 275a 26ea 00ad 0000 0000 1ac0 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:14.080	319	OPT708	2	4725	4725	1W	+126	+30	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-1.91	-0.81	246	2.04	2806 247	2.07	83.72	161.53	130	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
76	+1329	+1200	+1203	+1143	-12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 23bc 0000 298a 0000 259d 0039 e1e1 fbf7 ff99 ff0c ff98 0000 0000
08fd 0231 0000 af68 0211 09d5 7fff 0214 0000 14ee 2862 0941 013f 0000 0000 2e3c
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0004 0000 0000 0000 0202 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0003
0000 0200 0000 0600 0000 0000 0000 0000 8000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09d5 0003 0122 ffff ffff 002a 0168 0000
0000 0000 0000 0253 0000 0001 0001 0000 0000 0000 005b 0000 00d8 0058 013f 00c5
0000 00be 0000 010d 008c 01a6 0000 0000 0000 0000 0000 0000 0000 022e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 03ff 0100 0000 0000 0000 0000 0100 0000 0000 0001 0001 0502
0001 0000 0000 0031 4245 3430 0000 0000 504d 4400 4255 5200 2020 2020 2020 2020
2020 0000 4f50 5437 3038 0000 0000 0032 3931 0000 0057 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:14.080 545 N4171H 2 4706 4706 0 -157 -27 RADAR-ONLY: NO
FIRMNESS: 38

DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-21.22 -5.38 255 21.86 2909 256 21.90 63.89 162.00 159 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO

HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
260 +4029 +3900 +3900 +3900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:14.080	Active Track Maintenance Msg	1700 0058 0000 79e0 0000 7dea 0000 79e0 0039 e255 fbf7 0000 f564 fd50 0000 0000 f4d1 fe0d 0000 b5db 15e6 09c6 7fff 15e4 0121 0ff9 2880 0b5a 0221 0000 0000 0112 0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 09c6 0000 0028 0028 0028 001e 003d 0000 0000 0000 0000 0000 0000 0000 0001 0003 0000 0000 0000 0068 0000 00fa 020a 0221 0235 0000 0102 0000 00a7 0144 0075 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000 0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0006 2000 21ff 0600 0000 0000 0000 0000 0100 0000 0000 0001 0000 0502 0001 0000 0000 0036 4d32 3050 0000 0000 5748 5000 4f58 5200 2020 2020 2020 2020 2020 0000 4e34 3137 3148 0000 0000 0034 3534 3234 3400 0000 0000 0020 4f58 5200 0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: OVR
01:03:14.080 274 N8063T 2 4763 4763 1V +117 +37 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-18.87 -3.81 258 19.19 2941 259 19.25 66.58 162.94 123 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
72 +6329 +6200 +6194 +6237 +9 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 c2e9 0000 c5ca 0000 c190 0039 e279 fbf7 004b f691 fe18 0000 0000
0856 02ac 0000 b7dc 133f 09f3 7fff 1340 a001 10a5 28bc 08c1 0112 0000 0000 0054
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09f3 0005 0032 ffff 0032 002c 022a 0000
0000 0000 0000 018b 0000 0003 0015 0000 0000 0000 00ae 0000 0070 0245 0112 00cb
0000 002d 0000 0194 0133 0144 0000 0000 0000 0000 0000 0000 0000 042f ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 00ff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0036 5041 3332 0000 0000 4f58 5200 4844 4600 2020 2020 2020 2020
2020 0000 4e38 3036 3354 0000 0000 0030 3030 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:14.080	297	2	1056		-19	+109			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-40.95	-3.45	265	41.08	3018 265	41.09	45.31	168.86	111	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
350	+5329	+5200	+5165	+5224	+12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 a344 0000 a68a 0000 a16e 0039 e2ce fbf7 0067 eb87 fe46 0000 0000 fea3 07cd 0000 bca8 2917 022e 7fff 2918 0039 0b54 2a37 07eb 0129 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:14.080 475 N6887L 2 4714 4714 1W +184 +16 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 6
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-21.33 -1.63 265 21.37 3020 266 21.40 64.75 165.66 185 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
84 +5029 +4900 +4890 +4896 +1 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:03:14.080 Active Track Maintenance Msg 1700 0058 0000 9904 0000 9d2a 0000 98d1 0039 e2d3 fbf7 000b f556 ff2f 0000 0000
0d1e 0130 0000 bccf 1567 09cc 7fff 1564 4069 1030 296a 0d2c 01db 0000 0000 003c
061f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0004 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 2000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09cc 0003 0000 ffff 0032 0038 0253 0000
0000 0000 0000 00b2 0000 0003 0000 0000 0000 0000 00f2 0000 0014 0138 01db 00c3
0000 01ee 0000 0062 0054 01c9 0000 0000 0000 0000 0000 0000 0000 025c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 1dff 0600 0000 0000 0000 0000 0100 0000 0000 0001 0001 0502
0001 0000 0000 0036 4334 3231 0000 0000 4f58 5200 4343 4200 2020 2020 2020 2020
2020 0000 4e36 3838 374c 0000 0000 0037 3937 0000 0057 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:14.080 9 2 1275 +7 +4 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-12.51 -10.99 228 16.61 2601 229 16.65 70.89 154.38 8 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
59 -470 -599 -599 -599 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 ffff ed41 ffff f14b ffff ed41 0039 e0fb fbf7 0000 f9bf fa81 0000 0000
0088 0052 0000 a295 10a6 02bd 7fff 10a8 a00d 11b9 2698 009e 0009 0000 0000 0054
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:13.870	26	18.84	3091	272	3		67.75		167.11	3				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:14.080	Radar Report Msg	0b01 001c 0039 e3c4 10f0 29c7 096c 304c 0203 0300 0004 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		13.47	3129	275	2		73.19		166.33	2				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e3c4 124c 2995 06bc 30e4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		12.91	3140	276	1		73.78		166.34	1				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e3c4 1272 2996 0674 3110 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		13.31	3140	276	1		73.41		166.48	1				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 e3c4 125a 299f 06a8 3110 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
14.09	3291	289	1						74.16	169.64	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:14.200	Radar Report Msg	0b01 001c 0039 e43c 128a 2a69 070c 336c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
10.00	3253	286	4						77.27	166.84	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e43c 1351 29b6 0500 32d4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.09	3336	293	6			81.95	164.80	6		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e43c 147d 2933 028c 3420 0206 0600 0004 0302 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:14.300	511	2			+0	+0			RADAR-ONLY: NO
									FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+20.05	-1.93	95	20.09	1086	95	20.14	104.67	154.86	113 INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	CST	CST	+0	+1529	+0	+0	00000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:14.300	Active Track Maintenance Msg	1700 0058 0000 2fca 0000 2fca 0000 0000 0000 0000 fbf7 0000 0a07 ff09 0000 0000 0000 0000 0000 0000 43e8 1425 0a82 43e8 1425 0000 1a2b 26b7 0811 01ff 0001 0000 0000 0000 3f00 0203 1000 0303 0000 0000 0001 0100 0000 0000 0100

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:14.430	491	2		1022	+0	+0			RADAR-ONLY: NO
									FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0

X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-0.95 -16.33 183 16.34 2086 183 16.36 80.69 146.30 179 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
0 +2029 +1900 +0 +2029 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:14.430	Active Track Maintenance Msg	1700 0058 0000 3f6a 0000 3f6a 0000 0000 0000 0000 fbf7 0000 ff86 f7d6 0000 0000 0000 0000 0000 8260 105b 0212 8260 105b 0000 142c 2493 0cc3 01eb 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
01:03:14.190	27	7.69	3353	295	5				79.95	166.59	5		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:14.430	Radar Report Msg	0b01 001c 0039 e50e 13fd 29a6 03d8 3464 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
7.25	3423	301	4						80.81	166.88	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e50e 1434 29b8 03a0 357c 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:14.520	87	CPF420	2	4664	4664	1X	+79	-61	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-5.79	+0.51	275	5.77	3129 275	5.81	80.33	163.78	100	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
127	+4529	+4400	+4386	+4447	+13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:14.520	Active Track Maintenance Msg	1700 0058 0000 8afa 0000 8d8a 0000 8910 0039 e34c fbf7 006b fd1b 0041 0000 0000
		05ac fba1 0000 c398 05d0 09b4 7fff 05d0 0101 1415 28f2 0729 0057 0000 0000 0000
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
		0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09b4 0015 0032 0032 0032 003c 017c 0000
		0000 0000 0000 0000 0000 0001 0026 0000 0000 0000 00ed 0000 01b0 009b 0057 0201
		0000 016b 0000 0010 0184 0185 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2eff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 4332 3036 0000 0000 5748 5000 544f 4100 2020 2020 2020 2020
2020 0000 4350 4634 3230 0000 0000 0035 3634 0000 0058 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:14.520 362 2 0006 +340 -306 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-31.08 +6.02 281 31.63 3195 281 31.61 57.36 175.50 458 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
132 +17229 +17100 +17113 +17047 -14 +0 11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 14ba 0002 1a6a 0002 16ca 0039 e398 fbf7 ff8e f076 0303 0000 0000
		1837 ea35 0000 c7ba 1f9d 0006 7fff 1fa8 0000 0e57 2be0 2094 016a 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT			
01:03:14.310	28	44.16	3436	302	4				55.50	193.92	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:14.540	Radar Report Msg	0b01 001c 0039 e52c 0de0 307b 1614 35b0 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT			
	9.28	3478	306	2					79.94	168.86	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e52c 13fc 2a37 04a4 3658 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT			
	7.19	3428	301	4					80.91	166.86	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e52c 143a 29b7 0398 3590 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.31	3430	301	5			83.00	164.72	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e52c 14c0 292e 0228 3598 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	42.16	3514	309	4			60.73	195.69	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:14.560	Radar Report Msg	0b01 001c 0039 e590 0f2f 30ec 1514 36e8 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	40.03	3619	318	4			67.45	197.38	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e590 10dd 3158 1404 388c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	10.25	3623	318	5					81.19	170.86	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:14.570	Radar Report Msg	0b01 001c 0039 e59a 144c 2ab7 0520 389c 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	5.38	3667	322	1					83.77	166.55	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e59a 14f1 29a3 02b0 394c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:14.640	84	N774CS	2	3376	3376	1W	+147	-151	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-23.88	+7.32	287	24.97	3265 287	24.97	64.58	174.94	211	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: YES

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
135	+10329	+10200	+10168	+10130	-8	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:14.640	Active Track Maintenance Msg	1700 0058 0001 3c94 0001 42ca 0001 3dc3 0039 e3e6 fbf7 ffbf f410 03a9 0000 0000 0a78 f535 0000 cc1e 18f9 06fe 7fff 18f8 0000 1025 2bbc 0f09 0054 0000 0000 0584 0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 06fe 0003 012c ffff f830 0037 01ab 0000
		0000 0000 0000 00db 0000 0007 002e 0000 0000 0000 00a9 0000 0215 0249 0054 0250
		0000 0000 0000 005e 0091 014a 0000 0000 0000 0000 0000 0000 0000 03cb ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000
		0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2056 2eff 0000 0000 0000 0000 0000 0101 0003 0000 0001 0001 0502
		0001 0000 0000 0043 4332 3130 0000 0000 5341 3900 544f 4100 2020 2020 2020 2020
		2020 0000 4e37 3734 4353 0000 0000 0036 3032 0000 0057 0000 0000 0020 0000 004f
		4646 5620 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG X	QUA NM	BEACON Y	ALT NM	COR STAT	SYSTEM X	SYSTEM Y	PROC	STR	SC	TYP	SYS
01:03:14.430	29	4.88	3689	324	2				84.11	166.13	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:14.640	Radar Report Msg	0b01 001c 0039 e5fe 1507 2988 0270 39a4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG X	QUA NM	BEACON Y	ALT NM	COR STAT	SYSTEM X	SYSTEM Y	PROC	STR	SC	TYP	SYS
		5.28	3667	322	1				83.80	166.45	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 e5fe 14f3 299d 02a4 394c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
3.47	3683	324	3				84.64		164.69		3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e5fe 1529 292c 01bc 398c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
23.25	3744	329	5				79.27		184.09		5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e608 13d1 2e06 0ba0 3a80 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:14.740 194 DDA77 2 4043 4043 0 +404 -340 RADAR-ONLY: NO
FIRMNESS: 37
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 8
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-48.38 +22.16 294 53.19 3352 295 53.16 44.69 195.45 528 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
130 +22100 +22100 +22070 +21738 -71 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:03:14.740 Active Track Maintenance Msg 1700 0058 0002 a750 0002 b2a0 0002 b1b3 0039 e447 0000 fdc3 e7cf 0b15 0000 0000
1cc4 e7c8 0001 d187 3529 0823 7fff 3538 0303 0b2c 30dd 259a 00c2 0000 0000 0001
081f 2500 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0823 0000 0136 ffff 0172 0044 0204 0000
0000 0000 0000 0000 0000 0007 0007 0000 0000 0000 00ab 0000 0000 0000 00c2 0000
0000 0000 0000 00c8 0155 0189 0000 0000 0000 0000 0000 0000 0000 023d ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0100 0000 0100 0000 0000 0000 0100 0000 0100 0000 0100 0000
0100 0000 0001 0000 0001 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0005 2000 2fff 0000 0000 0000 0000 0000 0100 0000 0000 0001 0000 0102
0001 0000 0000 0043 4c4a 3335 0000 0000 4649 4d00 564e 5900 2020 2020 2020 2020
2020 0000 4444 4137 3700 0000 0000 0033 3535 0000 0000 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:14.740	51	2	1331		-199	+278			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-22.59	+14.89	303	27.02	3451 303	27.07	68.00	181.63	342	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
324	+31000	+31000	+31000	+31000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0003 c8c0 0003 c8c0 0003 c8c0 0039 e4b7 0000 0000 f4b4 0772 0000 0000 f1d8 13d0 0000 d7bc 1b12 02d9 7fff 1b10 0000 1100 2d68 185a 0033 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:14.740 392 2 7304 -245 +254 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-23.36 +19.29 309 30.23 3521 309 30.29 68.19 186.25 353 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
316 +21800 +21800 +21751 +21908 +34 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0002 aca0 0002 a940 0002 a7b8 0039 e506 0000 0112 f452 09a5 0000 0000
ee8a 121c 0001 dc14 1e4a 0ec4 7fff 1e4c a00a 110c 2e90 1928 0188 0000 0000 1d3c
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:14.740 384 2 1200 +110 +38 RADAR-ONLY: NO
FIRMNESS: 24
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 6
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-35.67 -2.13 266 35.69 3031 266 35.73 50.75 168.81 117 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
71 +5629 +5500 +5500 +5500 +0 +0 01111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 abe0 0000 afea 0000 abe0 0039 e2e0 fbf7 0000 ee2a fef0 0000 0000
07e3 02bb 0000 bd79 23ba 0280 7fff 23bc 1526 0cb0 2a34 0859 0180 0000 0000 0300
060f 1800 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

01:03:14.740 Delete Track Msg 1704 0008 017f 0110

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:14.740	56	2	4752		-140	+182			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-26.36	+20.12	307	33.09	3498 307	33.15	65.41	187.92	230	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
322	+12029	+11900	+11900	+11900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:14.740	Active Track Maintenance Msg	1700 0058 0001 73e0 0001 77ea 0001 73e0 0039 e4ea fbf7 0000 f2d2 0a0f 0000 0000
		f609 0cfa 0000 daa5 2127 09ea 7fff 2128 5448 105a 2efb 105d 0038 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:14.740	400	2	4675		-188	-46			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-39.41	+33.57	310	51.73	3532 310	51.79	56.19	204.27	194	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
256	+14029	+13900	+13900	+13900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 b260 0001 b66a 0001 b260 0039 e511 fbf7 0000 ec4b 10c9 0000 0000
		f297 fcb3 0000 dcc5 33cb 09bd 7fff 33c8 0000 0e0c 3311 0dcf 0190 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:14.520	30	4.81	3697	325	4		84.19	166.08	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:14.760	Radar Report Msg	0b01 001c 0039 e662 150c 2985 0268 39c4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
7.75	3853	339	3			84.89	169.36	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e662 1539 2a57 03e0 3c34 0203 0300 0001 0203 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:14.870	59	2	4603	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+55.59	+13.06	76	57.07	873 77	57.11	142.73	160.31	340	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+22400	+22400	+0	+22400	+0	+0	11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:14.870	Active Track Maintenance Msg	1700 0058 0002 bc00 0002 bc00 0000 0000 0000 0000 0000 0000 1bcc 0688 0000 0000 0000 0000 0000 3698 391b 0983 3698 391b 0000 23af 2814 183b 003b 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:14.640	31	6.66	3886	342	2				85.34			168.27	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:14.960	Radar Report Msg	0b01 001c 0039 e6ee 1556 2a11 0354 3cb8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	29.94	3923	345	3					85.48			191.72	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e6ee 155f 2fee 0ef8 3d4c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	8.63	3976	349	2					86.38			170.28	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e6ee 1598 2a92 0450 3e20 0202 0200 0001 0103 1d00 0000

END TIME	START TIME	TARGET REPORTS: LIVE	SIMULATED	VALID MODE-C:
01:03:14.770	01:03:10.220	RADAR-ONLY 116	0	0.0%

SENSOR = 2 BEACON-ONLY 0 0
RADAR & BEACON 0 0 VALID MODE-3/A: 0
TOTAL 116 0 0.0%

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:15.080	Sensor Sector Mark Msg	1715 000c 0039 e752 0000 0200

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:15.080	322	N900RL	2	3601	3601	1F	-18	-271	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-10.30	+14.34	324	17.60	3689 324	17.63	79.45	178.28	271	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
183	+7729	+7600	+7603	+7561	-9	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:15.080	Active Track Maintenance Msg	1700 0058 0000 ec4e 0000 f18a 0000 ed9e 0039 e5c3 fbf7 ffb8 fada 072c 0000 0000
		feb5 ecb5 0000 e694 11a0 0781 7fff 11a8 00fe 13dd 2c92 1356 0142 0000 0000 0000
		041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0781 0001 0122 ffff 01c2 0037 01b6 0000
		0000 0000 0000 0084 0000 0001 008a 0000 0000 0000 008f 0000 012b 00a5 0142 009b
		0000 01c6 0000 01cb 000c 020d 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
		0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 35ff 0100 0000 0000 0000 0000 0100 0003 0000 0001 0001 0702
		0001 0000 0000 0031 474c 4634 0000 0000 504d 4400 5656 5600 2020 2020 2020 2020
		2020 0000 4e39 3030 524c 0000 0000 0035 3736 0000 0046 0000 0000 0020 5656 5600
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:03:15.080	74	N40905	2	6701	6701	0	-53	+78	RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4
-8.50	+15.01	330	17.24	3759 330	17.26	81.38	178.44	95	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS: NO
									INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
325	+9929	+9800	+9817	+9817	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 32ca 0001 364a 0001 32ca 0039 e612 fbf7 0000 fbc0 0781 0000 0000 fc30 059b 0000 eaf7 1142 0dc1 7fff 1140 0000 1458 2c9c 06c8 004a 0000 0000 0000 041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:14.880	1	5.06	4011	353	3		86.36		166.59	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:15.090	Radar Report Msg	0b01 001c 0039 e7b6 1597 29a6 0288 3eac 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	8.94	4034	355	5			87.17		170.50	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e7b6 15cb 2aa0 0478 3f08 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	11.09	4051	356	1			87.81		172.61	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e7b6 15f4 2b27 058c 3f4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	47.78	4068	358	4			95.86		208.48	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg	0b01 001c 0039 e7b6 17f7 341f 17e4 3f90 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.84	33	3	2			87.45		167.19	2		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e7b6 15dd 29cc 02ec 0084 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: DEP
01:03:15.180 358 DSO92 2 7303 7303 0 +22 +301 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-2.38 +10.58 347 10.82 3949 347 10.79 86.14 172.41 302 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
4 +15429 +15300 +15289 +15353 +14 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:03:15.180 Active Track Maintenance Msg 1700 0058 0001 dfcd 0001 e22a 0001 ddcd 0039 e6ea fbf7 0077 fed0 054a 0000 0000
0198 1577 0003 f6db 0acb 0ec3 7fff 0ad8 0039 1589 2b1a 1586 0166 0000 0000 0300
051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0200 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0ec3 0000 0172 0172 0172 003c 010c 0000
0000 0000 0000 0000 0000 0005 0005 0000 0000 0000 00c9 0000 016c 002d 0166 0154
0000 000a 0000 01cd 0187 0113 0000 0000 0000 0000 0000 0000 0000 01ef ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0005 2000 af00 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
0001 0000 0000 0043 4639 3030 0000 0000 564e 5900 504d 4400 2020 2020 2020 2020
2020 0000 4453 4f39 3200 0000 0000 0032 3133 0000 0000 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	5.88	55	5	2						87.66		167.16	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:15.200	Radar Report Msg	0b01 001c 0039 e824 15ea 29ca 02f0 00dc 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	9.06	55	5	4						88.73		170.23	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e824 162f 2a8f 0488 00dc 0204 0400 0001 0303 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	6.34	115	10	2			88.33	167.39	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e824 1615 29d9 032c 01cc 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	9.78	178	16	6			90.63	170.16	6			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e824 16a8 2a8a 04e4 02c8 0206 0600 0003 0202 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:15.180	2	6.56	197	17	5		89.13	167.22	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:15.410	Radar Report Msg	0b01 001c 0039 e8ec 1648 29ce 0348 0314 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.88	275	24	1			92.50	170.20	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:15.420 Radar Report Msg 0b01 001c 0039 e8f6 1720 2a8d 0570 044c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
10.34	202	18	3				91.23		170.45	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e8f6 16cf 2a9d 052c 0328 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
17.50	261	23	5				96.39		175.63	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e8f6 1819 2be8 08c0 0414 0205 0500 0003 0102 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	10.66	240	21	2			91.92	170.38	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e8f6 16fb 2a98 0554 03c0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	0.84	350	31	4			86.17	162.23	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 e8f6 158b 288f 006c 0578 0204 0400 0004 0101 1d00 0000
01:03:15.630	Delete Track Msg	1704 0008 01bd 0010

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:03:15.430	4	1.16	293	26	0		86.27	162.42	0			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:15.650	Radar Report Msg	0b01 001c 0039 e9e6 1591 289b 0094 0494 0200 0000 0000 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:03:15.520	5	7.22	476	42	3		91.63	165.72	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:15.750	Radar Report Msg	0b01 001c 0039 ea36 16e8 296e 039c 0770 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.38	515	45	1			91.98		165.44	1				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ea36 16ff 295c 03b0 080c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	52.47	564	50	4			132.98		184.61	4				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ea36 213f 2e27 1a3c 08d0 0204 0400 0005 0003 1d00 0000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Delete Flight Data Msg	1809 0008 0170 0600

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:15.850	451	2		7211	+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0
+32.06	-22.82	125	39.35	1427 125	39.35	110.95	131.61	120	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+529	+400	+0	+529	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:15.850	Active Track Maintenance Msg	1700 0058 0000 108a 0000 108a 0000 0000 0000 0000 fbf7 0000 1008 f497 0000 0000
		0000 0000 0000 5933 275a 0e89 5933 275a 0000 1bbd 20e7 088a 01c3 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	3.66	698	61	4		88.94	162.63	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:15.870	Radar Report Msg	0b01 001c 0039 eaae 163c 28a8 01d4 0ae8 0204 0400 0001 0303 1d00 0000
01:03:15.970	Delete Track Msg	1704 0008 020a 0110
01:03:15.970	Delete Track Msg	1704 0008 000f 0810

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE--- ASSIGNED	BEACON CODE--- REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:15.980	532	EJA631	2	4757	0		-278	-153	RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+10.65	+29.76	19	31.59	224 20	31.61	103.61	187.84	0	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
241	CST	CST	+0	+0	+0	+0	00000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:15.980	Active Track Maintenance Msg	1700 0058 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0553 0ee1 0000 0000 ec29 f50d 0000 0e00 1f9b 09ef 0e00 1f9b 0000 19e7 2ef6 0001 0214 0001 0000 0000 0000 3f00 0201 1000 0000 0000 0000 0000 0100 0000 0000 0100

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000

Radar Report Msg	0b01 001c 0039 eb3a 1659 28a2 0204 0b70 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	4.34	859	75	1			89.80		161.81	1		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 eb3a 1673 2874 022c 0d6c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:16.190	3	2		7220	+332	+372			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+34.48	+21.46	58	40.56	660 58	40.61	124.39	173.81	499	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
41	+23800	+23800	+23797	+23895	+21	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:16.190	Active Track Maintenance Msg	1700 0058 0002 eabc 0002 e7c0 0002 e7ab 0039 ea39 0000 00aa 113e 0abb 0000 0000
		17a5 1a7a 0000 294c 289b 0e90 2950 28a0 0000 1f19 2b74 237f 0003 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:16.190	6	2		1274	-6	+4			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+37.56	+17.83	64	41.57	734 65	41.58	126.61	169.58	7	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
302	-770	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 ffff e3e1 ffff e7eb ffff e3e1 0039 ea8c fbf7 0000 12c8 08ea 0000 0000
ff8c 004b 0000 2dec 2994 02bc 2df0 2994 0000 1fa7 2a65 008a 0006 0000 0000 9d2a
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:16.190	311	2	3275		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+26.30	-24.75	133	36.07	1516 133	36.12	104.89	131.22	230	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:16.190	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0d27 f3a0 0000 0000 0000 0000 0000 0000 5ec2 241e 06bd 5ec2 241e 0000 1a39 20ce 105d 0137 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:03:16.290	Delete Track Msg	1704 0008 00d8 0010

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:15.990	8	3.06	955	84	7			88.33	161.44	7		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:16.310	Radar Report Msg	0b01 001c 0039 ec16 1615 285c 0188 0eec 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.28	973	86	4				90.70	160.94	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ec16 16ad 283c 02a4 0f34 0204 0400 0001 0303 1d00 0000
01:03:16.510	Delete Track Msg	1704 0008 0058 0110

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:16.510	523	2	0646	-239	-94				RADAR-ONLY: NO

FIRMNESS: 37

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID
+44.27	+0.20	89	44.25	1021	90	44.22	128.58	150.84	257

ALTITUDE FIRMNESS: 10
ALTITUDE: YES
INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
248	+13529	+13400	+13388	+13326	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:16.510	Active Track Maintenance Msg	1700 0058 0001 a077 0001 a6ca 0001 a263 0039 ebce fbf7 ff96 1622 0019 0000 0000
		eef9 f944 0000 3fd4 2c39 01a6 3fd0 2c44 1a8a 2025 25b6 124f 020b 0000 0000 0000
		0a1f 2500 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:16.510	72		2		+349	+390			RADAR-ONLY: NO

FIRMNESS: 30

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: NO
+36.53	+45.12	39	57.99	443 39	58.05	132.38	196.11	523	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
41	CST	CST	+29000	+29000	+0	+0	11100

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0003 8a40 0003 8a40 0003 8a40 0039 b334 0000 0000 1244 168f 0000 0000 18d4 1bc9 0000 1bbb 3a0e 040b 1bb0 380c 0001 2118 3107 2543 0048 0000 0000 0100 031c 1e00 0203 1001 0303 0000 0000 0001 0100 0000 0100 0101

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:16.230	10	29.13	1110	98	7		112.67	150.83	7		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:16.520	Radar Report Msg	0b01 001c 0039 ecfc 1c2b 25b5 0e90 1158 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	46.88	1116	98	4			128.95	143.72	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ecfc 203d 23ee 1770 1170 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	2.91	1123	99	0			87.97		160.88		0			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ecfc 15fe 2838 0174 118c 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	40.09	1157	102	5			121.64		144.05		5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:16.530	Radar Report Msg	0b01 001c 0039 ed10 1e69 2403 140c 1214 0205 0500 0005 0102 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
29.22	1115	98	3				112.67	150.59	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ed10 1c2b 25a6 0e9c 116c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
2.91	1146	101	0				87.94	160.80	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ed10 15fc 2833 0174 11e8 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.84	1162	102	1				92.61	158.38	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ed10 1727 2798 03ec 1228 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.72	1174	103	2				92.44	158.31	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 ed10 171c 2794 03dc 1258 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	8.00	1155	102	1			92.80		158.38	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ed10 1733 2798 0400 120c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.63	1170	103	4			92.38		158.39	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ed10 1718 2799 03d0 1248 0204 0400 0001 0303 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	5.72	1210	106	1			90.47	159.00	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ed10 169e 27c0 02dc 12e8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	51.09	1220	107	4			129.11	134.86	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ed10 2047 21b7 198c 1310 0204 0400 0005 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:16.630	101	2	3507	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+23.65	-30.55	142	38.58	1618 142	38.63	100.84	126.30	228	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:16.630	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0bd3 f0ba 0000 0000

0000 0000 0000 6528 26a1 0747 6528 26a1 0000 1936 1f93 103a 0065 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:16.630	527	2	4676		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+22.91	-28.22	141	36.30	1603 141	36.35	100.73	128.72	118	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2229	+2100	+0	+2229	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 45aa 0000 45aa 0000 0000 0000 0000 fbf7 0000 0b75 f1e4 0000 0000
		0000 0000 0000 6436 2459 09be 6436 2459 0000 192f 202e 086e 020f 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:16.630	245	2	5266		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+47.03	-4.23	95	47.18	1082 95	47.22	130.16	145.77	165	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+4029	+3900	+0	+4029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 7dea 0000 7dea 0000 0000 0000 0000 fbf7 0000 1784 fde3 0000 0000
		0000 0000 0000 43a6 2f38 0ab6 43a6 2f38 0000 208a 2471 0bc3 00f5 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
01:03:16.410	11	29.41	1235	109	3			110.31	145.75	3	RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:16.640	Radar Report Msg	0b01 001c 0039 ed60 1b94 2470 0eb4 134c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	41.34	1259	111	4				119.45	137.95	4	RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ed60 1ddd 227d 14ac 13ac 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	6.31	1232	108	3					90.88	158.52	3	RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ed60 16b8 27a1 0328 1340 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	46.53	1276	112	4					122.97	133.97	4	RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ed60 1ebe 217e 1744 13f0 0204 0400 0005 0003 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
9.91	1286	113	5				93.50	155.86	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:16.640	Radar Report Msg	0b01 001c 0039 edc4 1760 26f7 04f4 1418 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
46.59	1332	117	4				120.50	130.84	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 edc4 1e20 20b6 174c 14d0 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
40.69	1278	112	5				118.22	137.38	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 edc4 1d8e 2258 1458 13f8 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.34	1291	113	2				91.39	157.41	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 edc4 16d9 275a 03ac 142c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X NM	Y NM	STAT					
	35.03	1345	118	4				111.39	138.03	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 edc4 1bd9 2282 1184 1504 0204 0400 0004 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X NM	Y NM	STAT					
	20.97	1319	116	5				101.63	148.23	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 edc4 1968 250f 0a7c 149c 0205 0500 0003 0102 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	47.09	1412	124	4			116.77	126.44	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:16.640	Radar Report Msg	0b01 001c 0039 edce 1d31 1f9c 178c 1610 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	38.44	1462	128	7			108.78	131.11	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 edce 1b32 20c7 1338 16d8 0207 0700 0005 0302 1d00 0000
01:03:16.730	Delete Track Msg	1704 0008 0048 0210

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:16.850	361	2	4631	+0	+0		RADAR-ONLY: NO		
							FIRMNESS: 63		

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0
+3.30	-15.45	168	15.77	1910 168	15.79	85.03	146.06	127	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
0	+429	+300	+0	+429	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:16.850 Active Track Maintenance Msg 1700 0058 0000 0d6a 0000 0d6a 0000 0000 0000 0000 fbf7 0000 01a7 f847 0000 0000
0000 0000 0000 7769 0fcb 0999 7769 0fcb 0000 1542 2484 090d 0169 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:03:16.850	394	N121NA	2	1320	1320	1X	-115	+13	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+20.14	-3.30	99	20.38	1130	99	20.39	104.39	153.55	116

INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
276	+5929	+5800	+5800	+5800	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:16.850	Active Track Maintenance Msg	1700 0058 0000 b540 0000 b94a 0000 b540 0039 ec49 fbf7 0000 0a12 fe59 0000 0000
		f7c9 00f4 0000 46a4 1464 02d0 46a0 1468 0000 1a19 2663 0845 018a 0000 0000 0000
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 02d0 0015 003c 003c 003c 0000 023d 0000
		0000 0000 0000 0000 0000 0024 0005 0000 0000 0000 02db 0000 001a 015e 018a 0099
		018b 0027 0000 0113 0248 0168 0000 0000 0000 0000 0000 0000 0000 020e ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000
		0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 a4ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
		0001 0000 0000 0043 5041 3434 0000 0000 5241 4c00 5344 3800 2020 2020 2020 2020
		2020 0000 4e31 3231 4e41 0000 0000 0036 3932 0000 0058 0000 0000 0020 0000 0046
		3036 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:16.850	339	2	2201		-229	-91			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4
+51.02	-11.70	103	52.32	1172 103	52.27	132.13	137.61	247	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
248	+9029	+8900	+8879	+8879	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 157b 0001 1a2a 0001 157b 0039 ec77 fbf7 0000 1982 fa26 0000 0000 efa7 f97e 0000 494c 3446 0481 4930 3458 1be0 2108 2267 1198 0153 0000 0000 0000 041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:16.850	519	2		1631		-149	-113		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+53.95	-8.43	98	54.58	1124 99	54.64	135.80	140.03	188	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
232	+8029	+7900	+7900	+7901	+0	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 f6e9 0000 faea 0000 f6e7 0039 ec43 fbf7 0001 1afa fbc9 0000 0000
f556 f7e6 0000 464f 36a4 0399 4650 369c 0000 21f3 2302 0d64 0207 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:16.850 298 2 0771 -213 -44 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+30.98 -4.98 99 31.33 1127 99 31.34 114.44 149.19 217 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
258 +10029 +9900 +9931 +9865 -14 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 344c 0001 396a 0001 3659 0039 ec47 fbf7 ff8e 0f7d fd83 0000 0000
f0d3 fcdf 0000 4674 1f57 01f9 4680 1f60 0101 1c9c 254c 0f7f 012a 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:16.850 389 2 1654 -194 -73 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+44.70 -14.54 108 46.98 1231 108 46.91 125.30 136.47 208 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
249	+8729	+8600	+8616	+8485	-33	-2	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 092e 0001 10ca 0001 0d46 0039 ecb8 fbf7 fef2 1659 f8bb 0000 0000 f225 fac6 ffee 4cf3 2ee8 03ac 4cd0 2f00 0000 1f53 221e 0ecf 0185 0000 0000 0000 041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:16.850 207 N8451R 2 4647 4647 1X -104 +18 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+7.74 -2.98 111 8.23 1264 111 8.31 92.47 157.02 106 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
279 +6029 +5900 +5903 +5903 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 b87e 0000 bc6a 0000 b87b 0039 ece0 fbf7 0001 03df fe82 0000 0000
f889 014c 0000 4f05 084f 09a7 4f00 084c 0000 171e 2741 0794 00cf 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09a7 0015 003c 003c 003c 0028 0068 0000
0000 0000 0000 0000 0000 0026 0001 0000 0000 0000 00b0 0000 0037 00e1 00cf 0041
0000 0044 0000 01bb 0036 00bd 0000 0000 0000 0000 0000 0000 0000 020c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5032 3841 0000 0000 504f 4300 5656 5600 2020 2020 2020 2020
2020 0000 4e38 3435 3152 0000 0000 0036 3633 0000 0058 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:16.850	590	2	4624	-26	-109				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+34.09	-13.88	112	36.78	1276 112	36.80	115.23	139.78	112	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
193	+2929	+2800	+2800	+2800	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 5782 0000 5b8a 0000 5782 0039 eced fbf7 0000 110c f910 0000 0000
		fe1b f839 0000 4fcf 24cc 0994 4fc0 24d0 0001 1ccf 22f2 0801 024e 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:16.540	12	17.41	1482	130	7		95.72	147.66	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:16.850	Radar Report Msg	0b01 001c 0039 ee46 17ee 24ea 08b4 1728 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.19	1533	135	4			87.73	158.52	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:16.850	Radar Report Msg	0b01 001c 0039 ee8c 15ef 27a1 0218 17f4 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:16.950	328	2	6655	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+21.06	-22.92	137	31.09	1563 137	31.13	100.30	134.31	190	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1929	+1800	+0	+1929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:16.950	Active Track Maintenance Msg	1700 0058 0000 3c4a 0000 3c4a 0000 0000 0000 0000 fbf7 0000 0a88 f48a 0000 0000

0000 0000 0000 61b8 1f21 0dad 61b8 1f21 0000 1913 2194 0d8e 0148 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

01:03:17.080 Delete Track Msg 1704 0008 0117 0010
01:03:17.080 Delete Track Msg 1704 0008 01de 0710

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:17.080	280	2	6737		+509	+121			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID
+48.70	-20.17	112	52.68	1281 113	52.68	127.63	130.09	523	

FIRMNESS: 9
ALTITUDE: YES
INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
76	+26300	+26300	+26257	+26400	+31	+0	11111

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CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:03:17.080 Active Track Maintenance Msg 1700 0058 0003 3902 0003 35e0 0003 348f 0039 ecf2 0000 00fa 185a f5ea 0000 0000
2437 08a1 0001 5018 34af 0ddf 5000 34b8 0000 1fe8 2086 253b 0118 0000 0000 0000
091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:17.080 431 2 2734 -38 -126 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 7
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+33.07 -18.53 119 37.88 1357 119 37.92 113.05 135.55 132 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
196 +2329 +2200 +2175 +2110 -13 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 41f7 0000 48ca 0000 43fb 0039 ed48 fbf7 ff91 1089 f6bc 0000 0000
fd4b f6fa 0000 54d4 25ec 05dc 54d0 25e8 a001 1c43 21e3 096c 01af 0000 0000 8ffc
071f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:17.080 55 2 7230 -251 -88 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+17.04 -10.38 121 19.91 1381 121 19.97 99.61 147.48 266 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
250	+5129	+5000	+5030	+4895	-29	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 98ff 0000 a04a 0000 9d36 0039 ed63 fbf7 ff16 0885 facf 0000 0000 ee1d f9b7 0000 5658 13f8 0e98 5650 13f4 0000 18e7 24df 12f5 0037 0000 0000 00d1 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:17.180	329	2	4657		-131	+181			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+25.63	-26.67	136	36.95	1549 136	37.01	103.80	129.56	224	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
324	+7029	+6900	+6900	+6900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:17.180	Active Track Maintenance Msg	1700 0058 0000 d7a0 0000 dbaa 0000 d7a0 0039 ee20 fbf7 0000 0cd1 f2aa 0000 0000 f6a3 0cef 0000 60d9 2503 09af 60d0 2500 0a6e 19f3 2064 0ff8 0149 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:17.180	561	2	4745		-144	+126			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+18.21	-18.59	135	25.98	1543 136	26.04	98.66	139.25	192	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
311	+6329	+6200	+6190	+6089	-21	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 be49 0000 c5ca 0000 c177 0039 ee19 fbf7 ff51 091b f6b4 0000 0000
f5b1 08f7 0000 607c 1a0a 09e5 6070 1a08 0000 18aa 22d0 0da9 0231 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:17.180	98	2	3253		+188	-66			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID
+7.66	-9.24	140	11.94	1591 140	11.98	90.83	150.98	199	FIRMNESS: 5 ALTITUDE: YES INHIBIT MSAW PROCESS: INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
109	+5929	+5800	+5785	+5644	-29	+0	11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 b062 0000 b94a 0000 b4cf 0039 ee56 fbf7 ff15 03d5 fb61 0000 0000
		0d61 fb48 0004 6379 0bfc 06ab 63d0 0c04 0000 16b5 25bf 0e2f 0062 0000 0000 23ea
		051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:16.880	14	3.97	1717	151	2		86.67		158.33	2			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:17.190	Radar Report Msg	0b01 001c 0039 ef90 15ab 2795 01fc 1ad4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		5.03	1763	155	1		86.63		157.16	1			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:17.200	Radar Report Msg	0b01 001c 0039 ef9a 15a8 274a 0284 1b8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		12.25	1703	150	4		89.03		150.14	4			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ef9a 1642 2589 0620 1a9c 0204 0400 0004 0101 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	21.22	1827	161	3			87.52	140.75	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ef9a 15e1 2330 0a9c 1c8c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.09	1786	157	3			86.31	158.11	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:17.220	Radar Report Msg	0b01 001c 0039 efe0 1594 2787 020c 1be8 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	22.78	1827	161	3			87.64	139.20	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 efe0 15e9 22cd 0b64 1c8c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	4.09	1811	159	3					86.17	158.09	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 efe0 158b 2786 020c 1c4c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	4.09	1855	163	2					85.92	158.08	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 efe0 157b 2785 020c 1cfc 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:17.290	321	2	4665			+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+39.58	-3.93	95	39.75	1088	96	39.77	123.03	147.95	203 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
0	+3129	+3000	+0	+3129	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:17.290	Active Track Maintenance Msg	1700 0058 0000 61ca 0000 61ca 0000 0000 0000 0000 fbf7 0000 13ca fe09 0000 0000 0000 0000 0000 4408 27c5 09b5 4408 27c5 0000 1ec2 24fd 0e78 0141 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:03:17.290	Delete Track Msg	1704 0008 0007 0410

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:17.080	16	6.72	1888	166	2		85.69	155.31	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f04e 156c 26d4 035c 1d80 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	21.84	1904	167	5			85.00	140.08	5			RT	2		

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f04e 1540 2305 0aec 1dc0 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	14.09	1842	162	7			86.59	147.86	7		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f04e 15a6 24f7 070c 1cc8 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	5.19	1884	166	4			85.73	156.91	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f04e 156f 273a 0298 1d70 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	6.59	1886	166	4			85.72	155.44	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f04e 156e 26dc 034c 1d78 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:

01:03:17.390 278 2 4613 +253 +71 RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
+15.09	-21.92	145	26.56	1655 146	26.61	94.81	136.83	263	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
74	+6029	+5900	+5924	+5938	+3	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:17.390	Active Track Maintenance Msg	1700 0058 0000 b991 0000 bc6a 0000 b922 0039 ee97 fbf7 0018 078c f50a 0000 0000 120d 0514 0000 677b 1a9c 098b 6770 1aa0 0104 17b4 2235 12c0 0116 0000 0000 0000 081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:17.390	7	2	1275		+6	-3			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+41.67	-14.40	109	44.04	1241 109	44.12	122.39	137.38	7	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
118	+0	+0	+0	+0	+0	00000	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 0000 0000 0000 0000 0000 0039 ecc6 0000 0000 14d6 f8cd 0000 0000 007b ffbe 0000 4d9f 2c1e 02bd 4d90 2c18 0000 1e99 2258 008c 0007 0000 0000 0000 0000 2600 0203 1000 0300 0100 0000 0001 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:17.390	406	2	4622		-146	+7			RADAR-ONLY: NO

FIRMNESS: 30

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
+13.05	-21.91	149	25.45	1698 149	25.52	92.84	137.34	146	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
272	+4029	+3900	+3900	+3900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:17.390 Active Track Maintenance Msg 1700 0058 0000 79e0 0000 7dea 0000 79e0 0039 eec8 fbf7 0000 0686 f50b 0000 0000
f59c 0086 0000 6a2f 1986 0992 6a20 1984 0039 1736 2256 0a67 0196 0000 0000 0600
081f 1e00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:17.390	530	2	4643		-269	+193			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
+24.75	-45.30	151	51.57	1722 151	51.63	98.22	111.86	331	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
305	+20000	+20000	+20000	+20000	+0	+0	11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 7100 0002 7100 0002 7100 0039 eee3 0000 0000 0c60 e95a 0000 0000
		ecdf 0dc4 0000 6ba7 33a0 09a3 6ba0 33a0 fbf7 188e 1bf7 1791 0212 0000 0000 06df
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:17.390	312	2	3220		-168	-41			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
+7.45	-14.10	152	15.91	1733 152	16.02	89.41	146.31	173	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
256	+2129	+2000	+1983	+1851	-28	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 39de 0000 428a 0000 3df8 0039 eeed fbf7 ff1e 03ba f8f3 0000 0000
		f3fd fd0d 0000 6c50 1004 0690 6c30 0ff4 0000 165a 2494 0c5e 0138 0000 0000 0000
		091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	3.94	1905	167	5			85.63	158.25	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:17.400	Radar Report Msg	0b01 001c 0039 f0c6 1568 2790 01f8 1dc4 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
4.44	1974	173	2						85.17	157.75	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f0c6 154b 2770 0238 1ed8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
4.16	2003	176	1						85.05	158.08	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f0c6 1543 2785 0214 1f4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:17.280	17	5.13	2071	182	4		84.38	157.17	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:17.510	Radar Report Msg	0b01 001c 0039 f120 1518 274b 0290 205c 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:17.610	219	2	1060		-403	-145			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+4.48	-16.12	164	16.66	1870	164	16.74	86.02	146.09	429 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
250	+35000	+35000	+35000	+35000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:17.610	Active Track Maintenance Msg	1700 0058 0004 45c0 0004 45c0 0004 45c0 0039 ef8a 0000 0000 023e f7f1 0000 0000 e34c f5a1 0000 74ef 10be 0230 74f0 10bc 0039 1581 2486 1e85 00db 0000 0000 0300 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:17.610	176	2	4772		+185	+56			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4

X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+2.35 -10.85 168 11.05 1904 167 11.09 85.30 150.77 193 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
73 +5229 +5100 +5090 +5047 -5 +1 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 9dbd 0000 a36a 0000 9f10 0039 efb5 fbf7 ffd2 012d fa93 0000 0000
		0d28 040c 000b 770b 0b16 09fa 7750 0b1c 0b7c 1553 25b1 0dc3 00b0 0000 0000 0000
		041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
5.38	2110	185	2						84.00	157.02	2	RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:17.620	Radar Report Msg	0b01 001c 0039 f12a 1500 2741 02b0 20f8 0202 0200 0001 0103 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	17.97	2195	193	3			77.48	145.98	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f12a 135f 247f 08fc 224c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	20.09	2154	189	3			77.63	143.55	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f12a 1368 23e3 0a0c 21a8 0203 0300 0004 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	31.41	2164	190	3			72.58	133.39	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f13e 1225 2159 0fb4 21d0 0203 0300 0003 0003 1d00 0000
01:03:17.730	Delete Track Msg	1704 0008 016b 0110
01:03:17.730	Delete Track Msg	1704 0008 0253 0010

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:17.730	449	2	7242	-313	+140				RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+2.65 -35.16 175 35.22 1998 176 35.24 79.50 127.55 343 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
294 +32200 +32200 +32188 +32244 +13 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:17.730	Active Track Maintenance Msg	1700 0058 0003 efa3 0003 ee40 0003 ede4 0039 f01a 0000 0069 0153 ee6b 0000 0000 e9b3 0a03 0004 7ce8 233d 0ea2 7cf0 2344 0039 13e0 1fe3 1872 01c1 0000 0000 1fe4 051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:17.730	160	2	4645		+82	+310			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+1.28	-16.72	175	16.73	1999 176	16.81	82.80	145.44	321	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
14	+11529	+11400	+11360	+11519	+34	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 67fa 0001 684a 0001 6302 0039 f019 fbf7 0115 00a4 f7a4 0000 0000
		05de 161b 0001 7cfd 10d0 09a5 7ce0 10c4 0001 14b3 245c 16df 00a0 0000 0000 f120
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:17.730	310	2	1051		+422	+101			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+2.02	-32.98	176	33.00	2009 177	33.05	79.41	129.59	434	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
76	+20600	+20600	+20599	+20766	+36	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0002 88f2 0002 83c0 0002 83bf 0039 f025 0000 0121 0103 ef83 0000 0000
1e13 0738 0000 7d97 210d 0229 7d80 210c 0001 13da 2066 1eed 0136 0000 0000 0100
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:17.730	580	2	4614		-80	+49			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5
+0.38	-18.74	178	18.69	2037 179	18.75	81.39	143.63	94	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
301	+4329	+4200	+4212	+4256	+9	+0	00111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 8502 0000 874a 0000 83a7 0039 f043 fbf7 004b 0030 f6a1 0000 0000
		fa41 0383 0000 7f59 12c0 098c 7f30 12c0 a000 1459 23e8 06bc 0244 0000 0000 0000
		0507 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:17.730	49	2	6311		+371	-92			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5
-13.90	-43.41	197	45.54	2250 198	45.59	61.36	123.42	382	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
104	+11829	+11700	+11691	+11571	-25	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:17.730	Active Track Maintenance Msg	1700 0058 0001 6999 0001 71aa 0001 6d5e 0039 f135 fbf7 ff36 f90d ea4c 0000 0000
		1a65 f968 0003 8ca2 2d97 0cc9 7fff 2d94 0000 0f57 1edb 1b35 0031 0000 0000 0000
		051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:17.530	19	4.44	2219	195	1		83.72	158.25	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:17.740	Radar Report Msg	0b01 001c 0039 f21a 14ee 2790 0238 22ac 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	4.44	2243	197	1			83.59	158.33	1				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f21a 14e6 2795 0238 230c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:03:17.620	20	8.41	2451	215	1		79.44	156.55	1				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:17.950	Radar Report Msg	0b01 001c 0039 f2e2 13dc 2723 0434 264c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	34.84	2467	217	4				58.53		140.17	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f2e2 0ea2 230b 116c 268c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	5.56	2507	220	1				81.41		158.78	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f2e2 145a 27b2 02c8 272c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	5.56	2531	222	1				81.30		158.95	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f2e2 1453 27bd 02c8 278c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	29.78	2527	222	7				60.89		145.55	7		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg	0b01 001c 0039 f2e2 0f39 2463 0ee4 277c 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.97	2581	227	4			80.72		159.09		4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f2e2 142e 27c6 02fc 2854 0204 0400 0001 0303 1d00 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:18.280 379 2 6312 +298 -5 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 7
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-9.02 -12.51 215 15.40 2453 216 15.41 73.94 152.06 298 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
91 +9729 +9600 +9568 +9510 -12 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:03:18.280 Active Track Maintenance Msg 1700 0058 0001 2934 0001 300a 0001 2b05 0039 f21b fbf7 ff9c fb7e f9bf 0000 0000
153b ff9b 0000 9958 0f68 0cca 7fff 0f6c 0039 127c 2604 153c 017b 0000 0000 0300
071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:18.280 304 2 7342 -317 +152 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-25.45 -21.88 229 33.55 2608 229 33.54 56.05 147.33 352 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
295 +35000 +35000 +34992 +34992 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0004 4585 0004 45c0 0004 4580 0039 f2c9 0000 0001 f347 f510 0000 0000
e964 0ad1 0000 a30c 2189 0ee2 7fff 2190 a00f 0e03 24d5 1910 0130 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:18.280	8	2	1273		+0	+0			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-37.78	-33.20	228	50.26	2602 229	50.30	40.83	139.30	1	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
243	-899	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e3e1 ffff e3e1 0039 f2c1 0000 0000 ed1c ef66 0000 0000 ffef fff8 0000 a2a0 324d 02bb 7fff 324c 0000 0a35 22d3 0013 0008 0000 0000 0000 0a1f 2603 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:03:18.090	23	8.66	2660	234	3		77.86	158.72	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:18.290	Radar Report Msg	0b01 001c 0039 f3dc 1377 27ae 0454 2990 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	20.41	2643	232	3		67.05		153.88	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f3dc 10c3 2678 0a34 294c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	7.22	2667	234	1		79.20		159.33	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f3dc 13cd 27d5 039c 29ac 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
6.53	2675	235	1							79.83		159.64	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f3dc 13f5 27e9 0344 29cc 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
22.00	2699	237	3							64.92		155.02	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f3dc 103b 26c1 0b00 2a2c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
8.72	2745	241	4							77.45		159.75	4		RT	2		

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:18.300	Radar Report Msg	0b01 001c 0039 f436 135d 27f0 045c 2ae4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	1.94	2795	246	0					84.72	161.66	0		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f436 152e 286a 00f8 2bac 0200 0000 0000 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	15.75	2746	241	1					70.56	158.05	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f436 11a4 2783 07e0 2ae8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	12.00	2836	249	3					73.95	160.58	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:18.300	Radar Report Msg	0b01 001c 0039 f436 127d 2825 0600 2c50 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS

15.09 2864 252 4 70.80 160.89 4 RT 2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f436 11b3 2839 078c 2cc0 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:18.390	275	2	0257		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+36.23	+0.35	89	36.19	1017 89	36.23	120.89	152.95	86	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1729	+1600	+0	+1729	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:18.390	Active Track Maintenance Msg	1700 0058 0000 360a 0000 360a 0000 0000 0000 0000 fbf7 0000 121e 002d 0000 0000 0000 0000 0000 3f9a 243c 00af 3f9a 243c 0000 1e39 263d 062c 0113 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:18.390	173	2	6307	+499	-225				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-17.42	-9.77	240	19.92	2739 241	19.97	67.16	157.00	548	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
114	+33000	+33000	+33000	+33000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:18.390	Active Track Maintenance Msg	1700 0058 0004 0740 0004 0740 0004 0740 0039 f35b 0000 0000 f74a fb1e 0000 0000 2386 efee 0000 ab37 13f9 0cc7 7fff 13f8 0000 10ca 2740 26fd 00ad 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:18.270	24	28.84	2939	258	3		57.02	163.33	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:18.490	Radar Report Msg	0b01 001c 0039 f4fe 0e41 28d5 0e6c 2dec 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM				ALT	X	NM	Y	NM	STAT					
	55.59	2933	258	4			30.27		164.22	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f4fe 0791 290e 1bcc 2dd4 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM				ALT	X	NM	Y	NM	STAT					
	15.44	3012	265	4			70.63		164.34	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f4fe 11a8 2916 07b8 2f10 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	4.47	3066	269	3					81.73	162.84	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:18.500	Radar Report Msg	0b01 001c 0039 f508 146f 28b6 023c 2fe8 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:18.610	586	2	4673	+310	+33				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
-20.91	-12.13	239	24.14	2727 240	24.19	62.53	155.41	312	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
83	+10729	+10600	+10607	+10539	-15	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:18.610	Active Track Maintenance Msg	1700 0058 0001 495e 0001 4f4a 0001 4b7f 0039 f350 fbf7 ff85 f58c f9ef 0000 0000
		1614 0264 ffff aa76 1830 09bb 7fff 182c 0039 0fa2 26da 1635 024a 0000 0000 0300
		051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:18.610	319	OPT708	2	4725	4725	1W	+125	+27	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
-1.75	-0.79	246	1.90	2797 246	1.91	83.88	161.52	128	INHIBIT MSAW PROCESS: NO
									INHIBIT MSAW DISPLAY: NO

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
77	+1329	+1200	+1163	+1107	-12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 2299 0000 298a 0000 2458 0039 f39b fbf7 ffa0 ff20 ff9b 0000 0000
		08f3 01f3 0000 aed2 01e8 09d5 7fff 01ec 0104 14f8 2861 0929 013f 0000 0000 0000
		0a1f 2600 0201 1000 0303 0100 0000 0000 0000 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Flight Plan Maintenance Msg 1800 01d4 0000 0004 0000 0000 0000 0202 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0003
0000 0200 0000 0600 0000 0000 0000 0000 8000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09d5 0003 0122 ffff ffff 002a 0168 0000
0000 0000 0000 02a8 0000 0001 0001 0000 0000 0000 005b 0000 0096 00f5 013f 00c5
0000 00be 0000 010d 008c 01a6 0000 0000 0000 0000 0000 0000 0000 022e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 03ff 0100 0000 0000 0000 0000 0100 0000 0000 0001 0001 0502
0001 0000 0000 0031 4245 3430 0000 0000 504d 4400 4255 5200 2020 2020 2020 2020
2020 0000 4f50 5437 3038 0000 0000 0032 3931 0000 0057 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:18.610 591 N31F 2 0260 0260 1Y +34 +67 RADAR-ONLY: NO
FIRMNESS: 38

DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 6
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-8.18 -3.68 246 8.89 2795 246 8.97 76.94 160.34 75 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: YES

HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
26 +2029 +1900 +1925 +1869 -13 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 3a6c 0000 3f6a 0000 3c2c 0039 f39b fbf7 ff98 fbe9 fe29 0000 0000

026d 04d0 fffe aeb4 08f8 00b0 7fff 08f8 0000 133c 2816 0563 024f 0000 0000 0000
061f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 00b0 008a 0104 ffff ffff 003d 000e 0000
0000 0000 0000 0000 0000 008a 008a 0000 0000 0000 0000 0000 00c9 0215 024f 015c
0000 00b1 0000 013a 00d7 00d5 0000 0000 0000 0000 0000 0000 0000 0448 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0004 2020 2fff 0000 0000 0000 0000 0000 0000 0000 0000 0001 0702
0001 0000 0000 0043 0000 0000 0000 0000 0000 0000 564e 5900 2020 2020 2020 2020
2020 0000 4e33 3146 0000 0000 0000 0000 0000 0000 0059 0000 0000 0020 564e 5900
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	18.72	3098	272	3			67.94	167.27	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:18.610	Radar Report Msg	0b01 001c 0039 f576 10fc 29d1 095c 3068 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	42.91	3044	268	4			43.88	170.91	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f576 0af8 2aba 1574 2f90 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	13.75	3126	275	4			72.89	166.38	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f576 1239 2998 06e0 30d8 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:18.830	511		2			+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO

+19.91 -1.95 95 19.97 1087 96 20.00 104.52 154.88 113 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	CST	CST	+0	+1529	+0	+0	00000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:18.830	Active Track Maintenance Msg	1700 0058 0000 2fca 0000 2fca 0000 0000 0000 0000 fbf7 0000 09f4 ff06 0000 0000 0000 0000 0000 43fc 1400 0a82 43fc 1400 0000 1a21 26b8 0811 01ff 0001 0000 0000 0000 3f00 0203 1000 0303 0000 0000 0001 0100 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:18.840 545 N4171H 2 4706 4706 0 -156 -30 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-21.41 -5.44 255 22.05 2910 256 22.10 63.69 162.02 159 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
259 +4029 +3900 +3900 +3900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:03:18.840 Active Track Maintenance Msg 1700 0058 0000 79e0 0000 7dea 0000 79e0 0039 f41b fbf7 0000 f54b fd48 0000 0000
f4e6 fdd3 0000 b5e6 1619 09c6 7fff 1618 0000 0fec 2881 0b50 0221 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09c6 0000 0028 0028 0028 001e 003d 0000
0000 0000 0000 0000 0000 0001 0003 0000 0000 0000 0068 0000 00fa 0115 0221 0235
0000 0102 0000 00a7 0144 0075 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 21ff 0600 0000 0000 0000 0000 0100 0000 0000 0001 0000 0502
0001 0000 0000 0036 4d32 3050 0000 0000 5748 5000 4f58 5200 2020 2020 2020 2020
2020 0000 4e34 3137 3148 0000 0000 0034 3534 3234 3400 0000 0000 0020 4f58 5200
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: OVR
01:03:18.840 274 N8063T 2 4763 4763 1V +118 +33 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-18.72 -3.78 258 19.06 2942 259 19.09 66.73 162.92 122 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
74 +6329 +6200 +6224 +6264 +8 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 c3c5 0000 c5ca 0000 c282 0039 f43f fbf7 0046 f6a4 fe1c 0000 0000
0868 0261 0000 b7e9 1318 09f3 7fff 1318 1be0 10af 28bb 08bc 0112 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 09f3 0005 0032 ffff 0032 002c 022a 0000 0000 0000 0000 018b 0000 0003 0015 0000 0000 0000 00ae 0000 0070 0245 0112 00cb 0000 002d 0000 0194 0133 0144 0000 0000 0000 0000 0000 0000 0000 042f ffff 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000 0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0006 2000 00ff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102 0001 0000 0000 0036 5041 3332 0000 0000 4f58 5200 4844 4600 2020 2020 2020 2020 2020 0000 4e38 3036 3354 0000 0000 0030 3030 0000 0056 0000 0000 0020 0000 0000 0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:18.840	297	2	1056	-20	+108				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-40.98	-3.27	265	41.06	3020 265	41.11	45.33	169.05	110	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
349	+5329	+5200	+5215	+5272	+12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:18.840	Active Track Maintenance Msg	1700 0058 0000 a4c1 0000 a68a 0000 a2fd 0039 f497 fbf7 0062 eb83 fe5d 0000 0000

fe92 07bd 0000 bcc5 291c 022e 7fff 291c 0000 0b55 2a43 07de 0129 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:18.840 475 N6887L 2 4714 4714 1W +185 +9 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 7
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-21.09 -1.66 265 21.13 3021 266 21.16 64.97 165.58 185 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
87 +5029 +4900 +4898 +4905 +1 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 994a 0000 9d2a 0000 9913 0039 f498 fbf7 000c f574 ff2c 0000 0000
0d2f 00ae 0000 bcdd 1529 09cc 7fff 1528 a001 103e 2965 0d34 01db 0000 0000 8ffc
071f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0004 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 2000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09cc 0003 0000 ffff 0032 0038 0253 0000
0000 0000 0000 00b2 0000 0003 0000 0000 0000 0000 00f2 0000 0014 0138 01db 00c3
0000 01ee 0000 0062 0054 01c9 0000 0000 0000 0000 0000 0000 0000 025c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 1dff 0600 0000 0000 0000 0000 0100 0000 0000 0001 0001 0502
0001 0000 0000 0036 4334 3231 0000 0000 4f58 5200 4343 4200 2020 2020 2020 2020
2020 0000 4e36 3838 374c 0000 0000 0037 3937 0000 0057 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:18.840 9 2 1275 +4 +5 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-12.51 -10.99 228 16.61 2601 229 16.64 70.89 154.38 7 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
40 -470 -599 -599 -599 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 ffff ed41 ffff f14b ffff ed41 0039 f2c1 fbf7 0000 f9bf fa81 0000 0000

0055 0064 0000 a29a 10a4 02bd 7fff 10a8 0000 11b9 2698 0083 0009 0000 0000 00d1
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

01:03:18.840 Delete Track Msg 1704 0008 0016 0310

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:18.520	26	13.38	3131	275	2			73.28	166.34	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:18.840	Radar Report Msg	0b01 001c 0039 f5ee 1252 2996 06b0 30ec 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
		47.72	3268	287	4			45.30	187.03	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f5ee 0b53 2ec2 17dc 3310 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.13	3244	285	4			77.09	166.80	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:18.840	Radar Report Msg	0b01 001c 0039 f648 1346 29b3 0510 32b0 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	13.94	3282	288	4			74.17	169.39	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f648 128b 2a59 06f8 3348 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	34.53	3370	296	4			59.69	184.39	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:18.840	Radar Report Msg	0b01 001c 0039 f652 0eec 2e19 1144 34a8 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	9.53	3291	289	3			77.97	167.08	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg	0b01 001c 0039 f652 137e 29c5 04c4 336c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	7.66	3347	294	3			79.94		166.53		3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f652 13fc 29a2 03d4 344c 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:18.930	491		2	1022		+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
-1.17	-16.42	184	16.41	2094 184	16.46	80.45	146.27	181	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2129	+2000	+0	+2129	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:18.930	Active Track Maintenance Msg	1700 0058 0000 428a 0000 428a 0000 0000 0000 0000 fbf7 0000 ff6a f7ca 0000 0000
		0000 0000 0000 82e7 1076 0212 82e7 1076 0000 141d 2491 0ced 01eb 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:18.930	87	CPF420	2	4664	4664	1X	+78	-64	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-5.69	+0.41	273	5.70	3121 274	5.71	80.41	163.67	101	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
129	+4529	+4400	+4430	+4488	+12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:18.930 Active Track Maintenance Msg 1700 0058 0000 8c43 0000 8d8a 0000 8a76 0039 f508 fbf7 0064 fd28 0035 0000 0000
0592 fb66 0000 c314 05b5 09b4 7fff 05b4 0004 141a 28eb 0739 0057 0000 0000 0100
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09b4 0015 0032 0032 0032 003c 017c 0000
0000 0000 0000 0000 0000 0001 0026 0000 0000 0000 00ed 0000 01b0 009b 0057 0201
0000 016b 0000 0010 0184 0185 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2eff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 4332 3036 0000 0000 5748 5000 544f 4100 2020 2020 2020 2020
2020 0000 4350 4634 3230 0000 0000 0035 3634 0000 0058 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:18.930	362	2		0006	+342	-299			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-30.64	+5.65	280	31.14	3189 280	31.13	57.69	175.02	454	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
131	+17129	+17000	+17031	+16960	-15	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 1207 0002 174a 0002 1438 0039 f557 fbf7 ff86 f0ae 02d3 0000 0000 1855 eaaf 0000 c75f 1f20 0006 7fff 1f28 002e 0e6c 2bc1 2059 016a 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:18.720	27	9.84	3375	297	5		78.47	168.23	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:18.940	Radar Report Msg	0b01 001c 0039 f6c0 139e 2a0f 04ec 34bc 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		9.25	3472	305	4		79.89	168.78	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:18.950	Radar Report Msg	0b01 001c 0039 f6ca 13f9 2a32 04a0 3640 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.16	3427	301	4			80.92	166.83	4				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f6ca 143b 29b5 0394 358c 0204 0400 0001 0303 1d00 0000
01:03:19.150	Delete Track Msg	1704 0008 0102 0510

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:19.150 84 N774CS 2 3376 3376 1W +146 -155 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-23.68 +7.09 286 24.66 3262 287 24.73 64.72 174.67 213 INHIBIT MSAW PROCESS: YES
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
136 +10329 +10200 +10154 +10121 -7 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:03:19.150 Active Track Maintenance Msg 1700 0058 0001 3c4e 0001 42ca 0001 3d54 0039 f5a7 fbf7 ffc8 f429 038c 0000 0000
0a67 f4f9 0000 cbe8 18bc 06fe 7fff 18b8 0000 102e 2bab 0f29 0054 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 06fe 0003 012c ffff f830 0037 01ab 0000
0000 0000 0000 00db 0000 0007 002e 0000 0000 0000 00a9 0000 0215 0249 0054 0250
0000 0000 0000 005e 0091 014a 0000 0000 0000 0000 0000 0000 0000 03cb ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2056 2eff 0000 0000 0000 0000 0000 0101 0003 0000 0001 0001 0502
0001 0000 0000 0043 4332 3130 0000 0000 5341 3900 544f 4100 2020 2020 2020 2020
2020 0000 4e37 3734 4353 0000 0000 0036 3032 0000 0057 0000 0000 0020 0000 004f
4646 5620 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:19.150 194 DDA77 2 4043 4043 0 +406 -328 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 9
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-47.85 +21.82 294 52.55 3350 294 52.54 45.13 195.00 522 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
129 +21800 +21800 +21763 +21441 -69 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0002 9e0b 0002 a940 0002 a81f 0039 f60b 0000 fdd3 e813 0ae9 0000 0000
1ce6 e89b 0001 d160 3489 0823 7fff 3498 a00b 0b48 30c0 252e 00c2 0000 0000 5fbc
091f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0823 0000 0136 ffff 0172 0044 0204 0000
		0000 0000 0000 0000 0000 0007 0007 0000 0000 0000 00ab 0000 0000 0000 00c2 0000
		0000 0000 0000 00c8 0155 0189 0000 0000 0000 0000 0000 0000 0000 023d ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0100 0000 0100 0000 0000 0000 0100 0000 0100 0000 0100 0000
		0100 0000 0001 0000 0001 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0005 2000 2fff 0000 0000 0000 0000 0000 0100 0000 0000 0001 0000 0102
		0001 0000 0000 0043 4c4a 3335 0000 0000 4649 4d00 564e 5900 2020 2020 2020 2020
		2020 0000 4444 4137 3700 0000 0000 0033 3535 0000 0000 0000 0000 0020 0000 0000
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:18.850	28	9.00	3516	309	4				80.53		168.97	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:19.150	Radar Report Msg	0b01 001c 0039 f756 1422 2a3e 0480 36f0 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		1.63	3584	315	0				85.22		162.77	0		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 0039 f756 154e 28b1 00d0 3800 0200 0000 0000 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:19.370	51	2	1331				-195	+280	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-22.84	+15.25	303	27.44	3455 304	27.48	67.86	182.05	342	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
325	+31000	+31000	+31000	+31000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:19.370	Active Track Maintenance Msg	1700 0058 0003 c8c0 0003 c8c0 0003 c8c0 0039 f682 0000 0000 f495 07a0 0000 0000 f212 13f8 0000 d7fa 1b7a 02d9 7fff 1b78 0003 10f7 2d83 1858 0033 0000 0000 e590 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:19.370	392	2	7304	-244	+256				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-23.68	+19.62	309	30.67	3522 310	30.74	67.95	186.64	354	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
316	+21900	+21900	+21904	+22060	+33	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 b161 0002 ac60 0002 ac86 0039 f6cd 0000 010e f429 09cf 0000 0000
		ee94 123e 0000 dc2c 1ebe 0ec4 7fff 1ec0 0107 10fd 2ea9 1939 0188 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:19.370	384	2	1200	+106	+47				RADAR-ONLY: NO

FIRMNESS: 27

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
-35.55	-2.08	266	35.56	3033 267	35.59	50.88	168.84	116	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
65	+5629	+5500	+5500	+5500	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 abe0 0000 afea 0000 abe0 0039 f4a7 fbf7 0000 ee3a fef6 0000 0000
0793 0364 0000 bd93 2396 0280 7fff 239c 0b01 0cb8 2a36 084d 0180 0000 0000 3da0
071f 1b00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

01:03:19.370 Delete Track Msg 1704 0008 0173 0310

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:19.170	30	4.88	3690	324	4		84.13		166.13	4			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:19.380	Radar Report Msg	0b01 001c 0039 f81e 1508 2988 0270 39a8 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		10.28	3624	319	5		81.19		170.89	5			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f81e 144c 2ab9 0524 38a0 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	5.31	3672	323	2					83.83	166.50	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f81e 14f5 29a0 02a8 3960 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	5.00	3685	324	4					84.03	166.23	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f81e 1502 298f 0280 3994 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	9.13	3720	327	5					82.94	170.34	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:19.390	Radar Report Msg	0b01 001c 0039 f882 14bc 2a96 0490 3a20 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS

23.16 3746 329 7 79.36 184.02 7 RT 2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f882 13d7 2e01 0b94 3a88 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
4.28	3828	336	1			85.16	165.75	1				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f882 154a 2970 0224 3bd0 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
4.38	3795	334	1			84.94	165.81	1				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:19.400	Radar Report Msg	0b01 001c 0039 f88c 153c 2974 0230 3b4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	7.75	3851	338	3					84.86	169.36	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f88c 1537 2a57 03e0 3c2c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	6.41	3879	341	4					85.30	168.02	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f896 1553 2a01 0334 3c9c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	5.03	3840	338	2					85.11	166.55	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f896 1547 29a3 0284 3c00 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS

6.63 3882 341 1 85.30 168.23 1 RT 2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f896 1553 2a0f 0350 3ca8 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:19.490	59	2	4603	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+55.24	+12.81	77	56.65	875 77	56.71	142.33	160.16	336	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+22300	+22300	+0	+22300	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:19.490	Active Track Maintenance Msg	1700 0058 0002 b8e0 0002 b8e0 0000 0000 0000 0000 0000 0000 1b9f 0668 0000 0000
		0000 0000 0000 36b6 38b5 0983 36b6 38b5 0000 2395 280a 17f4 003b 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:19.490	56	2	4752		-133	+188			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-26.48	+20.40	307	33.38	3499 308	33.44	65.36	188.25	230	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
324	+12029	+11900	+11900	+11900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:19.490	Active Track Maintenance Msg	1700 0058 0001 73e0 0001 77ea 0001 73e0 0039 f6b3 fbf7 0000 f2c2 0a33 0000 0000
		f688 0d69 0000 dab0 2171 09ea 7fff 2170 0039 1057 2f10 106a 0038 0000 0000 224e
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:19.490	400	2	4675		-188	-43			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-39.63	+33.55	310	51.89	3529 310	51.93	55.98	204.28	193	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
256	+14029	+13900	+13900	+13900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 b260 0001 b66a 0001 b260 0039 f6d5 fbf7 0000 ec30 10c6 0000 0000 f299 fce0 0000 dc9a 33ee 09bd 7fff 33ec 0039 0dff 3312 0dc3 0190 0000 0000 2066 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:19.590 322 N900RL 2 3601 3601 1F -20 -268 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-10.33 +14.01 323 17.39 3681 324 17.37 79.34 177.97 268 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
184 +7729 +7600 +7588 +7560 -5 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:03:19.590 Active Track Maintenance Msg 1700 0058 0000 ec47 0000 f18a 0000 ed24 0039 f780 fbf7 ffd1 fad6 0701 0000 0000
fe92 ecee 0000 e614 115f 0781 7fff 1168 2900 13d6 2c7e 1320 0142 0000 0000 0000
051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0781 0001 0122 ffff 01c2 0037 01b6 0000
0000 0000 0000 0084 0000 0001 008a 0000 0000 0000 008f 0000 012b 00a5 0142 009b
0000 01c6 0000 01cb 000c 020d 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0100 0000 0000 0000 0000 0100 0003 0000 0001 0001 0702
0001 0000 0000 0031 474c 4634 0000 0000 504d 4400 5656 5600 2020 2020 2020 2020
2020 0000 4e39 3030 524c 0000 0000 0035 3736 0000 0046 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: DEP
01:03:19.590 74 N40905 2 6701 6701 0 -65 +70 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-8.61 +15.09 330 17.32 3759 330 17.38 81.28 178.55 96 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
317 +9929 +9800 +9805 +9798 -1 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 3235 0001 364a 0001 326a 0039 f7d5 fbf7 fff6 fbb2 078b 0000 0000
fb52 0508 0000 eaf7 1160 0dc1 7fff 1160 031c 1452 2ca3 06df 004a 0000 0000 0001
051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

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CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0dc1 0000 0064 0064 0064 058a 0094 0000
0000 0000 0000 0000 0000 0058 0005 0000 0000 0000 029c 0000 01cc 012f 004a 01c6
0000 0213 0000 0001 0134 005a 0000 0000 0000 0000 0000 0000 0000 00dc ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 9900 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
0001 0000 0000 0043 5032 3852 0000 0000 4d59 4600 4c48 5300 2020 2020 2020 2020
2020 0000 4e34 3039 3035 0000 0000 0035 3837 0000 0000 0000 0000 0020 0000 0056
3539 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
END TIME START TIME TARGET REPORTS: LIVE SIMULATED VALID MODE-C: 0
01:03:19.390 01:03:14.770 RADAR-ONLY 121 0 0.0%
SENSOR = 2 BEACON-ONLY 0 0
RADAR & BEACON 0 0 VALID MODE-3/A: 0
TOTAL 121 0 0.0%

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:03:19.590 Sensor Sector Mark Msg 1715 000c 0039 f95e 0000 0200

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:19.390	0	10.84	4010	352	3				87.09		172.47	3			RT	2	

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Radar Report Msg 0b01 001c 0039 f95e 15c6 2b1e 056c 3ea8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM STAT	SYSTEM COR	SYSTEM STR	PROC SC	TYP	SYS
	5.06	4011	353	4			86.36	166.59	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f95e 1597 29a6 0288 3eac 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM STAT	SYSTEM COR	SYSTEM STR	PROC SC	TYP	SYS
	11.09	4051	356	1			87.81	172.61	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:19.720	Radar Report Msg	0b01 001c 0039 f972 15f4 2b27 058c 3f4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.81	28	2	3			87.41	167.16	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 f972 15da 29ca 02e8 0070 0203 0300 0001 0203 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:19.830	358	DSO92	2	7303	7303	0	+19	+305	DEP

RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6
-2.36	+10.97	348	11.18	3957 348	11.18	86.27	172.78	306	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
3	+15529	+15400	+15381	+15464	+18	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:19.830	Active Track Maintenance Msg	1700 0058 0001 e347 0001 e54a 0001 e0ac 0039 f8b6 fbf7 0097 fed2 057c 0000 0000
		0169 15b8 0002 f75e 0b2f 0ec3 7fff 0b38 00fe 1591 2b32 15c3 0166 0000 0000 0000
		061f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0200 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0ec3 0000 0172 0172 0172 003c 010c 0000
		0000 0000 0000 0000 0000 0005 0005 0000 0000 0000 00c9 0000 016c 002d 0166 0154
		0000 000a 0000 01cd 0187 0113 0000 0000 0000 0000 0000 0000 0000 01ef ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0005 2000 af00 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
0001 0000 0000 0043 4639 3030 0000 0000 564e 5900 504d 4400 2020 2020 2020 2020
2020 0000 4453 4f39 3200 0000 0000 0032 3133 0000 0000 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:19.530	1	9.06	73	6	6		88.97		170.14	6					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:19.840	Radar Report Msg	0b01 001c 0039 f9e0 163e 2a89 0488 0124 0206 0600 0003 0202 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X	NM	SYSTEM Y	NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
6.19	105	9	2			88.19	167.28	2					RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:19.860	Radar Report Msg	0b01 001c 0039 fa4e 160c 29d2 0318 01a4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X	NM	SYSTEM Y	NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
34.66	74	7	4			98.27	194.09	4					RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 fa4e 1891 3086 1154 0128 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X	NM	SYSTEM Y	NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
5.88	54	5	2			87.64	167.16	2					RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 fa4e 15e9 29ca 02f0 00d8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X	NM	SYSTEM Y	NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:03:19.720	2	10.34	195	17	1		91.14	170.52	1				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:19.950 Radar Report Msg 0b01 001c 0039 faa8 16c9 2aa1 052c 030c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	11.03	282	25	1		92.70		170.25		1		RT	2						

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 faa8 172d 2a90 0584 0468 0201 0100 0001 0000 1d00 0000
01:03:20.040	Delete Track Msg	1704 0008 016f 0310

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:20.270	451	2	7211		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+32.01	-22.99	125	39.37	1430 126	39.41	110.86	131.45	122	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+529	+400	+0	+529	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:20.270	Active Track Maintenance Msg	1700 0058 0000 108a 0000 108a 0000 0000 0000 0000 fbf7 0000 1001 f481 0000 0000 0000 0000 0000 5961 2768 0e89 5961 2768 0000 1bb7 20dd 08b0 01c3 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:19.840	3	17.53	263	23	5		96.45	175.63	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:20.280	Radar Report Msg	0b01 001c 0039 fba2 181d 2be8 08c4 041c 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	10.91	275	24	1			92.53	170.23	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 fba2 1722 2a8f 0574 044c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.22	467	41	1			91.58	165.80	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 fba2 16e5 2973 039c 074c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:20.160	5	7.38	515	45	1		91.98	165.44	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:20.390	Radar Report Msg	0b01 001c 0039 fc60 16ff 295c 03b0 080c 0201 0100 0001 0000 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.22	489	43	2			91.70	165.59	2				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 fc60 16ed 2966 039c 07a4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
1.31	597	52	0			86.58	162.17	0				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:20.390	Radar Report Msg	0b01 001c 0039 fc6a 15a5 288b 00a8 0954 0200 0000 0000 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
51.22	620	54	4			133.59	180.03	4				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 fc6a 2166 2d02 199c 09b0 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
1.97	686	60	0			86.84	162.13	0				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:20.400 Radar Report Msg 0b01 001c 0039 fc7e 15b6 2888 00fc 0ab8 0200 0000 0000 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	3.66	698	61	4					88.94		162.63	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 fc7e 163c 28a8 01d4 0ae8 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:20.260	6	4.03	732	64	7				89.39		162.53	7		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:20.490	Radar Report Msg	0b01 001c 0039 fcce 1659 28a2 0204 0b70 0207 0700 0003 0302 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	3.91	776	68	2			89.28	162.27	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 fcce 1652 2891 01f4 0c20 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:20.700	3	2	7220		+333	+373			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4
+34.91	+21.95	57	41.20	658	58	41.23	124.94	174.19	500

INHIBIT MSAW PROCESS: VALID ALTITUDE: YES

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
41	+24000	+24000	+23982	+24169	+46	+2	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:20.700	Active Track Maintenance Msg	1700 0058 0002 f348 0002 ee00 0002 ed75 0039 fc42 0000 0171 1175 0afa 0000 0000 17be 1a8a 0014 2921 293a 0e90 2920 2940 0101 1f3c 2b8c 239c 0003 0000 0000 0101 041f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:20.700	532	EJA631	2	4757		0	-278	-154	RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	
+10.27	+29.50	19	31.23	218	19	31.23	103.19	187.70	0

VALID ALTITUDE: NO
INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
241	CST	CST	+0	+0	+0	+0	00000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:20.700	Active Track Maintenance Msg	1700 0058 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0523 0ec0 0000 0000 ec29 f4fb 0000 0da7 1f3c 09ef 0da7 1f3c 0000 19cc 2eed 0001 0214 0001 0000 0000 0000 3f00 0201 1000 0000 0000 0000 0000 0100 0000 0000 0100

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09ef 0000 0172 ffff ffff 003c 026d 0000
		0000 0000 0000 0001 0001 0001 0001 0000 0000 0000 009a 0000 003e 01bd 0214 01a5
		0000 00ec 0000 01c8 005b 0124 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000 0100 0000 0001 0000
		0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 2fff 0100 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0702
		0101 0000 0000 0031 4335 3658 0000 0000 504d 4400 564e 5900 2020 2020 2020 2020
		2020 0000 454a 4136 3331 0000 0000 0039 3135 0000 0000 0000 0000 0020 0000 0000
		0000 2020 2000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:20.820	311	2	3275		+0	+0			RADAR-ONLY: NO
									FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0
+26.46	-24.48	132	36.00	1510 133	36.05	105.11	131.44	232	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:20.820	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0d3b f3c2 0000 0000

0000 0000 0000 5e6b 240d 06bd 5e6b 240d 0000 1a47 20dc 1083 0137 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:20.920	6	2	1274		-3	+6			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+37.57	+17.84	64	41.57	734 65	41.57	126.63	169.58	7	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
328	-770	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:20.920	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e7eb ffff e3e1 0039 fc98 fbf7 0000 12c9 08eb 0000 0000
		ffb9 0072 0000 2deb 2992 02bc 2df0 2998 0000 1fa8 2a65 0086 0006 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X NM	Y NM	COR STAT	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
01:03:20.610	8	3.09	954	84	3					88.38	161.44	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:20.930	Radar Report Msg	0b01 001c 0039 fe36 1618 285c 018c 0ee8 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:21.040	523	2	0646			-236	-96		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+43.97	+0.06	90	43.94	1022	90	43.93	128.27	150.78	255 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
247	+13429	+13300	+13317	+13253	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:21.040	Active Track Maintenance Msg	1700 0058 0001 9e2f 0001 a3aa 0001 a02d 0039 fddc fbf7 ff92 15fc 0008 0000 0000 ef30 f91d 0000 3fef 2bee 01a6 3ff0 2bf8 0001 2011 25b2 122b 020b 0000 0000 ec0c 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X NM	Y NM	COR STAT	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
01:03:20.830	10	5.28	978	86	4					90.70	160.91	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:21.050	Radar Report Msg	0b01 001c 0039 fe90 16ad 283a 02a4 0f48 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	46.97	1115	98	4					129.06		143.75		4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:21.050	Radar Report Msg	0b01 001c 0039 fef4 2044 23f0 177c 116c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	2.91	1123	99	0					87.97		160.88		0		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 fef4 15fe 2838 0174 118c 0200 0000 0000 0000 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	29.22	1116	98	7			112.66	150.55	7		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 fef4 1c2a 25a3 0e9c 1170 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	17.03	1123	99	3			101.33	155.11	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 fef4 1955 26c7 0884 118c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	41.38	1166	102	5			122.53	142.97	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 fef4 1ea2 23be 14b0 1238 0205 0500 0005 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:21.140	101	2	3507	+0	+0		RADAR-ONLY: NO		

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PREDICTED DEG	RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES

+23.76 -30.29 141 38.46 1614 142 38.49 101.02 126.52 227 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:21.140	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0be1 f0db 0000 0000 0000 0000 0000 64e6 267e 0747 64e6 267e 0000 1941 1fa1 102d 0065 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:21.140	527	2	4676		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+23.02	-28.16	140	36.33	1601 141	36.37	100.86	128.75	118	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2129	+2000	+0	+2129	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 428a 0000 428a 0000 0000 0000 0000 fbf7 0000 0b83 f1ec 0000 0000 0000 0000 0000 6412 245e 09be 6412 245e 0000 1937 2030 0870 020f 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	21.41	1233	108	5			103.66	150.20	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:21.140	Radar Report Msg	0b01 001c 0039 ff12 19ea 258d 0ab4 1344 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	7.50	1167	103	4			92.27	158.48	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ff1c 1711 279f 03c0 123c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	7.63	1172	103	4			92.36	158.38	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ff1c 1717 2798 03d0 1250 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	6.31	1233	108	3			90.88	158.50	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ff1c 16b8 27a0 0328 1344 0203 0300 0001 0203 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	20.66	1242	109	1			102.86	150.38	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ff1c 19b7 2598 0a54 1368 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:21.260	245	2	5266	+0	+0				RADAR-ONLY: NO
									FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+46.98	-4.42	95	47.14	1085	95	47.19	130.06	145.59	162 INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+4029	+3900	+0	+4029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:21.260	Active Track Maintenance Msg	1700 0058 0000 7dea 0000 7dea 0000 0000 0000 0000 fbf7 0000 177e fdca 0000 0000
		0000 0000 0000 43d2 2f31 0ab6 43d2 2f31 0000 2084 2466 0b8d 00f5 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:21.030	11	7.34	1290	113	1			91.41	157.42	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:21.270	Radar Report Msg	0b01 001c 0039 ff80 16da 275b 03ac 1428 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	29.47	1235	109	3				110.38		145.72		3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ff80 1b98 246e 0ebc 134c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	40.22	1251	110	4				118.81		139.00		4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ff80 1db4 22c0 141c 138c 0204 0400 0005 0003 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
53.59	1305	115	5				127.16	127.86	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ff80 1fca 1ff7 1acc 1464 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
46.78	1348	118	4				119.86	129.86	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 0039 ff80 1df7 2077 1764 1510 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
21.06	1321	116	7				101.66	148.13	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:21.270	Radar Report Msg	0b01 001c 0039 ffd0 196a 2508 0a88 14a4 0207 0700 0003 0302 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:21.360	519	2		1631			-152	-111	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X	DISPLAY NM	DISPLAY Y	DISPLAY NM	PRED_AZIM AZI DEG	PREDICTED RANGE NM	SYSTEM ACP	SYSTEM DEG	SYSTEM RANGE NM	SPEED X NM	SPEED Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES

+53.76 -8.55 99 54.41 1126 99 54.46 135.58 139.95 188 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
233	+8029	+7900	+7900	+7900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:21.360	Active Track Maintenance Msg	1700 0058 0000 f6e7 0000 faea 0000 f6e6 0039 fe51 fbf7 0000 1ae1 fbb9 0000 0000 f52d f80b 0000 466f 3676 0399 4670 3670 13fc 21e5 22fd 0d6f 0207 0000 0000 0003 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: DEP
01:03:21.360 394 N121NA 2 1320 1320 1X -115 +16 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+19.98 -3.28 99 20.20 1130 99 20.25 104.25 153.61 116 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
278 +5929 +5800 +5800 +5800 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 b540 0000 b94a 0000 b540 0039 fe55 fbf7 0000 09fe fe5c 0000 0000
f7d0 012a 0000 46a4 1440 02d0 46a0 1440 0320 1a10 2667 0845 018a 0000 0000 0001
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 02d0 0015 003c 003c 003c 0000 023d 0000
0000 0000 0000 0000 0000 0024 0005 0000 0000 0000 02db 0000 001a 015e 018a 0099
018b 0027 0000 0113 0248 0168 0000 0000 0000 0000 0000 0000 0000 020e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 a4ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5041 3434 0000 0000 5241 4c00 5344 3800 2020 2020 2020 2020
2020 0000 4e31 3231 4e41 0000 0000 0036 3932 0000 0058 0000 0000 0020 0000 0046
3036 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:21.360	298	2	0771		-208	-69			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+30.70	-5.13	99	31.11	1129 99	31.10	114.13	149.11	220	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
251	+10029	+9900	+9877	+9815	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 32b8 0001 396a 0001 34ae 0039 fe57 fbf7 ff94 0f59 fd70 0000 0000 f124 fb14 0000 469d 1f19 01f9 46c0 1f20 0b02 1c88 2547 0fa7 012a 0000 0000 098b 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:03:21.360	Delete Track Msg	1704 0008 0169 0210
01:03:21.360	Delete Track Msg	1704 0008 01e5 0510

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:21.360	Delete Track Msg	1704 0008 0213 0710
01:03:21.360	Delete Track Msg	1704 0008 01a7 0910

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:21.490	339	2	2201	-221	-112				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+50.70	-12.04	103	52.09	1174 103	52.02	131.73	137.36	248	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
243	+9029	+8900	+8893	+8901	+1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:21.490	Active Track Maintenance Msg	1700 0058 0001 162c 0001 1a2a 0001 15ee 0039 fe89 fbf7 000d 195a f9fb 0000 0000 f03e f7f8 0000 4965 3406 0481 4980 341c 0000 20ef 2257 11af 0153 0000 0000 0000 051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:21.490	389	2	1654	-192	-64				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+44.46	-14.61	108	46.76	1232 108	46.71	125.05	136.45	203	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING	REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID

DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
251 +8629 +8500 +8503 +8391 -24 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 063f 0001 0daa 0001 09ba 0039 fec6 fbf7 ff3d 163b f8b2 0000 0000
f24c fb66 0000 4d0b 2eb7 03ac 4cf0 2ecc 1be0 1f43 221d 0e75 0185 0000 0000 0000
051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:21.490 207 N8451R 2 4647 4647 1X -104 +18 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+7.62 -2.96 111 8.11 1266 111 8.17 92.34 157.08 106 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
280 +6029 +5900 +5902 +5902 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 b874 0000 bc6a 0000 b873 0039 feee fbf7 0000 03cf fe85 0000 0000
		f88f 0152 0000 4f22 082b 09a7 4f20 082c 0000 1716 2745 078f 00cf 0000 0000 0000
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09a7 0015 003c 003c 003c 0028 0068 0000
		0000 0000 0000 0000 0000 0026 0001 0000 0000 0000 00b0 0000 0037 00e1 00cf 0041
		0000 0044 0000 01bb 0036 00bd 0000 0000 0000 0000 0000 0000 0000 020c ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
		0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
		0001 0000 0000 0043 5032 3841 0000 0000 504f 4300 5656 5600 2020 2020 2020 2020
		2020 0000 4e38 3435 3152 0000 0000 0036 3633 0000 0058 0000 0000 0020 5656 5600
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:21.490	280	2	6737		+511	+108			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+49.30	-20.15	112	53.20	1276 112	53.23	128.20	129.97	523	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
78	+26400	+26400	+26400	+26544	+31	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0003 3d80 0003 3900 0003 3902 0039 fefa 0000 00fa 18a7 f5ed 0000 0000
		2462 07bb 0000 4fc1 353a 0ddf 4fd0 3544 1202 200d 207e 2532 0118 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:21.490	590	2	4624		-17	-109			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+34.09	-13.99	112	36.80	1279 112	36.83	115.19	139.67	110	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
189	+3029	+2900	+2883	+2883	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 5a1b 0000 5eaa 0000 5a1b 0039 fefb fbf7 0000 110b f901 0000 0000
		fec6 f83c 0000 4ff4 24d5 0994 4fe0 24d8 010e 1ccc 22eb 07dd 024e 0000 0000 0100
		041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:21.490	460	2	4757		-291	-158			RADAR-ONLY: NO
									FIRMNESS: 15

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4
+9.91	+29.55	18	31.11	217	19	31.48	102.80	187.84	331

INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
241	+14029	+13900	+13900	+13900	+0	+0	00011

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 b260 0001 b66a 0001 b260 0039 fa4b fbf7 0000 04f5 0ec6 0000 0000
		eb43 f4be 0000 0d90 1f7c 09ef 0d30 1f2c 0000 19b3 2ef6 1799 01cc 0000 0000 4842
		0403 0f00 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:21.270	13	17.44	1483	130	6		95.72	147.61	6		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:21.490	Radar Report Msg	0b01 001c 003a 005c 17ee 24e7 08b8 172c 0206 0600 0004 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	35.38	1438	126	5			107.97		134.36		5		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 005c 1afe 2197 11b0 1678 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	57.78	1467	129	4			120.02		115.36		4		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 005c 1e01 1cd7 1ce4 16ec 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
4.13	1530	134	2			87.70	158.58	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 005c 15ed 27a5 0210 17e8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
23.25	1571	138	7			96.38	141.22	7		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:21.490	Radar Report Msg	0b01 001c 003a 00b6 1818 234e 0ba0 188c 0207 0700 0003 0302 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:21.580	431	2	2734	-31	-129		RADAR-ONLY: NO		

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
+33.04	-18.71	119	37.92	1360 120	37.95	112.98	135.38	132	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
193	+2229	+2100	+2105	+2039	-14	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:21.580	Active Track Maintenance Msg	1700 0058 0000 3fbc 0000 45aa 0000 41cf 0039 ff58 fbf7 ff8d 1085 f6a5 0000 0000

fdc7 f6d3 0000 5501 25f3 05dc 5500 25f8 0001 1c3f 21d8 0971 01af 0000 0000 0100
081f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:21.580	55	2	7230		-250	-91			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+16.72	-10.52	122	19.71	1389 122	19.74	99.27	147.45	266	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
250	+5029	+4900	+4897	+4763	-29	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 94dd 0000 9d2a 0000 990d 0039 ff79 fbf7 ff18 085c fabe 0000 0000
		ee32 f982 0000 56de 13be 0e98 56e0 13c0 1be0 18d1 24dd 12f3 0037 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	28.09	1611	142	3			97.05	136.17	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:21.590	Radar Report Msg	0b01 001c 003a 011a 1843 220b 0e0c 192c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	12.25	1699	149	3			89.11	150.17	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 011a 1647 258b 0620 1a8c 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:21.700	328	2	6655	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+20.88	-22.81	137	30.92	1564 138	30.92	100.14	134.47	184	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	SLID WINDOW
0	+1829	+1700	+0	+1829	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:21.700	Active Track Maintenance Msg	1700 0058 0000 392a 0000 392a 0000 0000 0000 0000 fbf7 0000 0a70 f498 0000 0000

0000 0000 0000 61ce 1eec 0dad 61ce 1eec 0000 1909 219e 0d1e 0148 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:21.700	321	2	4665		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+39.77	-3.81	95	39.93	1086 95	39.95	123.25	148.02	201	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+3029	+2900	+0	+3029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 5eaa 0000 5eaa 0000 0000 0000 0000 fbf7 0000 13e3 fe18 0000 0000
		0000 0000 0000 43e4 27f4 09b5 43e4 27f4 0000 1ed0 2501 0e54 0141 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:21.480	14	5.03	1763	155	1		86.63		157.16	1					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:21.700	Radar Report Msg	0b01 001c 003a 0192 15a8 274a 0284 1b8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		5.03	1728	152	5		86.88		157.20	5					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 0192 15b8 274d 0284 1b00 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		4.09	1785	157	3		86.31		158.11	3					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 0192 1594 2787 020c 1be4 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		22.78	1827	161	3		87.64		139.20	3					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg	0b01 001c 003a 0192 15e9 22cd 0b64 1c8c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	4.09	1811	159	3			86.17		158.09	3		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 0192 158b 2786 020c 1c4c 0203 0300 0001 0203 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:21.800	561	2	4745		-145	+123			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+18.02	-18.46	135	25.77	1543 136	25.79	98.52	139.44	191	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
310	+6229	+6100	+6092	+5992	-21	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:21.800	Active Track Maintenance Msg	1700 0058 0000 bb42 0000 c2aa 0000 be67 003a 0027 fbf7 ff53 0902 f6c5 0000 0000 f59f 08cf 0000 607c 19ca 09e5 6080 19cc 0000 18a1 22dc 0d9d 0231 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:21.800	98	2	3253		+169	-104			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+7.86	-9.39	140	12.20	1588 140	12.24	90.98	150.78	199	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
121	+5729	+5600	+5615	+5455	-35	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 aa7a 0000 b30a 0000 af7b 003a 005f fbf7 fee6 03ee fb4e 0000 0000
0c16 f88e ffff 6346 0c3d 06ab 63a0 0c40 fbf7 16bf 25b2 0e32 0062 0000 0000 00e6
061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:21.800	329	2	4657		-135	+179			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+25.44	-26.47	136	36.69	1548 136	36.72	103.66	129.81	224	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
323	+7029	+6900	+6900	+6900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 d7a0 0000 dbaa 0000 d7a0 003a 002c fbf7 0000 0cb8 f2c4 0000 0000
f663 0cc1 0000 60c8 24b9 09af 60d0 24b8 0000 19ea 2074 0ff8 0149 0000 0000 0018
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:21.800 278 2 4613 +254 +67 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 9
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+15.39 -21.86 144 26.68 1647 145 26.73 95.13 136.81 263 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
75 +6029 +5900 +5922 +5931 +2 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 b95f 0000 bc6a 0000 b912 003a 009c fbf7 0011 07b2 f512 0000 0000
1218 04ca 0000 66fb 1aba 098b 6700 1abc 0000 17c8 2234 12b7 0116 0000 0000 11be
091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:03:21.950 Delete Track Msg 1704 0008 0211 0710
01:03:21.950 Delete Track Msg 1704 0008 013b 0810

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:21.950 7 2 1275 +1 -6 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 0
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: NO

+41.63 -14.47 109 44.05 1241 109 44.13 122.34 137.33 6 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
166	+0	+0	+0	+0	+0		00000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:21.950	Active Track Maintenance Msg	1700 0058 0000 0000 0000 0000 0000 0000 0039 fed3 0000 0000 14d1 f8c4 0000 0000 001f ff88 0000 4d9a 2c20 02bd 4da0 2c14 0000 1e96 2255 007c 0007 0000 0000 0000 0000 2600 0203 1000 0300 0100 0000 0001 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:03:21.690	16	4.09	1850	163	1		85.94		158.08	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:21.950	Radar Report Msg	0b01 001c 003a 020a 157c 2785 020c 1ce8 0201 0100 0001 0000 1d00 0000

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TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	9.63	1892	166	5				85.61		152.34	5		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 020a 1567 2616 04d0 1d90 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	16.16	1914	168	3				84.95		145.78	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 020a 153d 2472 0814 1de8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	3.94	1859	163	3				85.89		158.25	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 020a 1579 2790 01f8 1d0c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	6.50	1887	166	2				85.70		155.55	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 020a 156d 26e3 0340 1d7c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
14.09	1843	162	3				86.58	147.86	3				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 020a 15a5 24f7 070c 1ccc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
4.03	1875	165	1				85.80	158.14	1				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 020a 1573 2789 0204 1d4c 0201 0100 0001 0000 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	3.97	1906	168	5			85.63	158.22	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 020a 1568 278e 01fc 1dc8 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.19	2003	176	1			85.05	158.05	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:21.960	Radar Report Msg	0b01 001c 003a 025a 1543 2783 0218 1f4c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:22.020	406	2	4622	-147	+0		RADAR-ONLY: NO		

FIRMNESS: 33

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
+12.84	-21.94	149	25.40	1702 150	25.41	92.63	137.38	147	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
269	+4029	+3900	+3900	+3900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:22.020	Active Track Maintenance Msg	1700 0058 0000 79e0 0000 7dea 0000 79e0 003a 00d9 fbf7 0000 066b f508 0000 0000

f588 fff7 0000 6a67 1969 0992 6a70 196c 0000 1728 2258 0a78 0196 0000 0000 0310
091f 2100 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:22.020	530	2	4643			-272	+189		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+24.37	-45.09	151	51.20	1724 152	51.24	97.89	112.17	331	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
304	+20000	+20000	+20000	+20000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 7100 0002 7100 0002 7100 003a 00f2 0000 0000 0c2f e975 0000 0000 eca5 0d7b 0000 6bc8 333d 09a3 6bd0 3340 0000 1879 1c0b 1796 0212 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:22.020	312	2	3220		-164	-36			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+7.29	-14.15	152	15.88	1740	153	15.91	89.23	146.31	168	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
257	+1929	+1800	+1831	+1694	-29	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 34f6 0000 3c4a 0000 393e 003a 0101 fbf7 ff12 03a5 f8ed 0000 0000
		f44d fd60 0000 6ccf 0fea 0690 6ca0 0fec 0000 164f 2494 0bfd 0138 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	5.19	2083	183	4			84.27	157.14	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:22.030	Radar Report Msg	0b01 001c 003a 02dc 1511 2749 0298 208c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:21.930	17	5.28	2086	183	2		84.20	157.06	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:22.140	Radar Report Msg	0b01 001c 003a 034a 150d 2744 02a4 2098 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	20.09	2153	189	4			77.66	143.53	4					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 034a 136a 23e2 0a0c 21a4 0204 0400 0004 0101 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	17.97	2195	193	3			77.48	145.98	3					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 034a 135f 247f 08fc 224c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	5.06	2139	188	3			83.92	157.41	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 034a 14fb 275a 0288 216c 0203 0300 0001 0203 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:22.240	176	2	4772		+177	+59			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+2.56	-10.77	166	11.05	1892 166	11.09	85.52	150.80	187	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
71	+5129	+5000	+5009	+4936	-16	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:22.240	Active Track Maintenance Msg	1700 0058 0000 9a40 0000 a04a 0000 9c8e 003a 01b3 fbf7 ff7a 0148 fa9d 0000 0000
		0c9f 0438 fffe 7642 0b16 09fa 7680 0b14 7f00 1561 25b3 0d4f 00b0 0000 0000 a4c8
		051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:22.240	219	2	1060		-401	-150			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
+3.98	-16.32	166	16.78	1892 166	16.79	85.50	146.03	428	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
249	+35000	+35000	+35000	+35000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 45c0 0004 45c0 0004 45c0 003a 01ae 0000 0000 01fe f7d7 0000 0000
		e372 f54c 0000 7644 10c9 0230 7640 10cc 0000 1560 2482 1e7f 00db 0000 0000 010e
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:22.360	310	2	1051		+425	+101			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+2.58	-32.84	175	32.91	1998 176	32.96	79.97	129.58	437	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
76	+20800	+20800	+20777	+20947	+36	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:22.360	Active Track Maintenance Msg	1700 0058 0002 8e99 0002 8a00 0002 894f 003a 0224 0000 0126 014a ef94 0000 0000
		1e3a 073b 0000 7ce3 20f6 0229 7cd0 20f4 5453 13fe 2065 1f15 0136 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:22.360	580	2	4614		-69	+56			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+0.31	-18.69	179	18.69	2039 179	18.68	81.34	143.70	89	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
309	+4429	+4300	+4282	+4340	+13	+0	01111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 87a2 0000 8a6a 0000 85d4 003a 0251 fbf7 006a 0028 f6a8 0000 0000
fb0d 040a 0002 7f7f 12ad 098c 7f50 12b0 226e 1456 23ed 0664 0244 0000 0000 2600
060f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:22.360	160	2	4645		+80	+316			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: YES
+1.38	-16.30	175	16.30	1993 175	16.41	83.00	145.83	326	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
14	+11729	+11600	+11550	+11716	+36	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 6e24 0001 6e8a 0001 68f0 003a 0220 fbf7 0123 00b0 f7da 0000 0000
		05b8 167a 0001 7c95 1068 09a5 7c90 105c 0003 14c0 2475 1731 00a0 0000 0000 0100
		031f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:22.360	449	2		7242	-313	+141			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6
+2.26	-34.98	176	35.01	2006 176	35.05	79.17	127.83	343	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
294	+32300	+32300	+32277	+32356	+18	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0003 f325 0003 f160 0003 f0ae 003a 022e 0000 0090 0121 ee83 0000 0000
		e9b7 0a12 0003 7d60 230d 0ea2 7d60 230c 0001 13cb 1ff5 1875 01c1 0000 0000 0000
		061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:22.060	18	4.44	2218	195	1		83.72	158.25	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:22.360	Radar Report Msg	0b01 001c 003a 03cc 14ee 2790 0238 22a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	31.44	2164	190	6				72.56		133.36	6		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 03cc 1224 2157 0fb8 21d0 0206 0600 0004 0302 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	4.44	2243	197	1				83.59		158.33	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 03cc 14e6 2795 0238 230c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:22.480	49	2	6311		+368	-95			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
-13.49	-43.52	197	45.53	2243 197	45.55	61.72	123.20	381	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
104	+11729	+11600	+11588	+11480	-22	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:22.480	Active Track Maintenance Msg	1700 0058 0001 66c6 0001 6e8a 0001 6a24 003a 033a fbf7 ff4a f941 ea3e 0000 0000 1a3b f934 0002 8c31 2d8d 0cc9 7fff 2d90 5453 0f6e 1ecd 1b19 0031 0000 0000 f65c 061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:22.270	20	6.28	2411	212	1		81.36	157.66	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:22.490	Radar Report Msg	0b01 001c 003a 0494 1457 276a 0324 25ac 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
		8.41	2425	213	5		79.66	156.30	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:22.500	Radar Report Msg	0b01 001c 003a 0494 13ea 2713 0434 25e4 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	29.72	2525	222	7			61.00		145.50	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:22.510	Radar Report Msg	0b01 001c 003a 049e 0f40 2460 0edc 2774 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.56	2506	220	1			81.41		158.78	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 049e 145a 27b2 02c8 2728 0201 0100 0001 0000 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
5.56	2531	222	1			81.30	158.95	1		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 049e 1453 27bd 02c8 278c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:22.690	379	2	6312	+293	+5				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
-8.69	-12.50	214	15.22	2440 215	15.20	74.27	152.00	293	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
89	+9629	+9500	+9505	+9445	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:22.690	Active Track Maintenance Msg	1700 0058 0001 272e 0001 2cea 0001 290d 003a 041b fbf7 ff98 fba8 f9c0 0000 0000
		14d9 005c 0000 988b 0f32 0cca 7fff 0f38 5453 1291 2600 14da 017b 0000 0000 0000
		081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:22.380	21	5.97	2582	227	4		80.72	159.11	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:22.700	Radar Report Msg	0b01 001c 003a 0566 142e 27c7 02fc 2858 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	6.44	2594	228	2			80.23		158.97	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 0566 140f 27be 0338 2888 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	44.03	2620	230	4			45.92		143.20	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 0566 0b7b 23cd 1604 28f0 0204 0400 0005 0003 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.22	2666	234	1				79.20	159.31	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 0566 13cd 27d4 039c 29a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.78	2627	231	4				79.77	159.11	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 0566 13f1 27c7 0364 290c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
8.69	2666	234	1				77.80	158.78	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 0566 1373 27b2 0458 29a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.91	2643	232	3				79.59	159.20	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 0566 13e6 27cd 0374 294c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:22.590	22	22.28	2706	238	3				64.58	155.16	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:22.810	Radar Report Msg	0b01 001c 003a 05de 1025 26ca 0b24 2a48 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	8.72	2741	241	2					77.47	159.70	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 05de 135e 27ed 045c 2ad4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	24.72	2763	243	3			61.69	156.50	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 05de 0f6c 2720 0c5c 2b2c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	15.75	2772	244	5			70.42	158.66	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 05de 119b 27aa 07e0 2b50 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:23.030	275	2		0257	+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PREDICTED DEG	RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+36.12	+0.35	89	36.06	1017	89	36.12	120.78	152.98	86	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
0	+1829	+1700	+0	+1829	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:23.030	Active Track Maintenance Msg	1700 0058 0000 392a 0000 392a 0000 0000 0000 0000 fbf7 0000 120f 002d 0000 0000

0000 0000 0000 3f9a 241e 00af 3f9a 241e 0000 1e32 263f 062c 0113 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:23.030	8	2	1273		+0	+0			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID
-37.78	-33.20	228	50.26	2602 229	50.30	40.83	139.30	0	ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
243	-899	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:23.030	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e3e1 ffff e3e1 003a 04cd 0000 0000 ed1c ef67 0000 0000

fff4 fff9 0000 a2a0 324d 02bb 7fff 324c 0039 0a35 22d3 000e 0008 0000 0000 0400
0a1f 2603 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:23.030	304	2	7342		-317	+154			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-25.84	-21.67	230	33.67	2616 230	33.73	55.72	147.63	352	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
296	+35000	+35000	+34995	+34996	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 45a3 0004 45c0 0004 4599 003a 04de 0000 0002 f314 f52a 0000 0000
		e96f 0afa 0000 a38c 21bc 0ee2 7fff 21bc 0039 0dee 24e8 1918 0130 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:22.820	24	2.00	2794	246	3			84.61	161.64	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:23.030	Radar Report Msg	0b01 001c 003a 0656 1527 2869 0100 2ba8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	15.75	2747	241	2				70.56	158.08	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 0656 11a4 2785 07e0 2aec 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	30.19	2787	245	4					56.13		156.41		4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 0656 0e08 271a 0f18 2b8c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	12.00	2835	249	3					73.95		160.56		3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 0656 127d 2824 0600 2c4c 0203 0300 0001 0203 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:23.130	173	2	6307		+499	-228			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-16.78	-10.05	239	19.51	2720 239	19.56	67.70	156.56	549	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
114	+33000	+33000	+33000	+33000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:23.130	Active Track Maintenance Msg	1700 0058 0004 0740 0004 0740 0004 0740 003a 0552 0000 0000 f79c faf9 0000 0000
		2384 efc4 0000 aa07 1390 0cc7 7fff 1390 0006 10ed 2724 270d 00ad 0000 0000 0100
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:23.130	586	2	4673		+315	+16			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
-20.45	-12.17	239	23.76	2724 239	23.81	62.97	155.27	315	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
87	+10629	+10500	+10515	+10431	-18	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0001 45fb 0001 4c2a 0001 489f 003a 0554 fbf7 ff69 f5c7 f9ea 0000 0000
166f 0124 ffff aa40 17cf 09bb 7fff 17cc 0000 0fbe 26d1 1676 024a 0000 0000 0000
061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:23.130	319	OPT708	2	4725	4725	1W	+123	+26	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-1.61	-0.76	244	1.73	2783 245	1.75	84.03	161.52	126	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
78	+1229	+1100	+1104	+1048	-12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 20c1 0000 266a 0000 2285 003a 059b fbf7 ff9f ff32 ff9f 0000 0000
		08c5 01dc 0000 adf1 01c1 09d5 7fff 01c8 0000 1502 2861 08f7 013f 0000 0000 0000
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0004 0000 0000 0000 0202 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0003
		0000 0200 0000 0600 0000 0000 0000 0000 8000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09d5 0003 0122 ffff ffff 002a 0168 0000
		0000 0000 0000 02a8 0000 0001 0001 0000 0000 0000 005b 0000 0096 00f5 013f 00c5
		0000 00be 0000 010d 008c 01a6 0000 0000 0000 0000 0000 0000 0000 022e ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0000 0000 0100 0000 0001 0000
		0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 03ff 0100 0000 0000 0000 0000 0100 0000 0000 0001 0001 0502
		0001 0000 0000 0031 4245 3430 0000 0000 504d 4400 4255 5200 2020 2020 2020 2020
		2020 0000 4f50 5437 3038 0000 0000 0032 3931 0000 0057 0000 0000 0020 0000 0000
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:23.130	591	N31F	2	0260	0260	1Y	+37	+68	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7
-8.12	-3.59	246	8.81	2800 246	8.89	77.02	160.44	78	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: YES

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
28	+2029	+1900	+1887	+1841	-10	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 3988 0000 3f6a 0000 3afd 003a 05ad fbf7 ffb0 fbf1 fe35 0000 0000 02a3 04e2 0000 af03 08e5 00b0 7fff 08e0 0000 1341 281c 058d 024f 0000 0000 0000 071f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 00b0 008a 0104 ffff ffff 003d 000e 0000 0000 0000 0000 0000 0000 0000 008a 008a 0000 0000 0000 0000 0000 00c9 0215 024f 015c 0000 00b1 0000 013a 00d7 00d5 0000 0000 0000 0000 0000 0000 0000 0448 ffff 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0000 0000 0100 0000 0001 0000 0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0004 2020 2fff 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0702 0001 0000 0000 0043 0000 0000 0000 0000 0000 0000 0000 564e 5900 2020 2020 2020 2020 2020 0000 4e33 3146 0000 0000 0000 0000 0000 0000 0059 0000 0000 0020 564e 5900 0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 000f 0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	19.84	2995	263	3			66.19	164.55	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:23.130	Radar Report Msg	0b01 001c 003a 0728 108c 2923 09ec 2ecc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	9.47	2979	262	3			76.50	162.89	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 0728 1320 28b9 04bc 2e8c 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:23.350	545	N4171H	2	4706	4706	0	-154	-34	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-21.61	-5.48	255	22.23	2910 256	22.30	63.48	162.02	158	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	SLID WINDOW
257	+4029	+3900	+3900	+3900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:23.350	Active Track Maintenance Msg	1700 0058 0000 79e0 0000 7dea 0000 79e0 003a 0627 fbf7 0000 f532 fd42 0000 0000

f4fc fd87 0000 b5e8 164d 09c6 7fff 164c 0000 0fdf 2881 0b4a 0221 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09c6 0000 0028 0028 0028 001e 003d 0000
0000 0000 0000 0000 0000 0001 0003 0000 0000 0000 0068 0000 00fa 0115 0221 0235
0000 0000 0000 00a7 0144 0075 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0100 0000 0100 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 21ff 0600 0000 0000 0000 0000 0100 0000 0000 0001 0000 0502
0001 0000 0000 0036 4d32 3050 0000 0000 5748 5000 4f58 5200 2020 2020 2020 2020
2020 0000 4e34 3137 3148 0000 0000 0034 3534 3234 3400 0000 0000 0020 4f58 5200
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:23.040	25	13.47	3130	275	2		73.19		166.36	2				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:23.360	Radar Report Msg	0b01 001c 003a 07be 124c 2997 06bc 30e8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		13.75	3122	274	4		72.86		166.30	4				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 07be 1237 2993 06e0 30c8 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		13.28	3131	275	2		73.38		166.31	2				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 07be 1258 2994 06a4 30ec 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		13.84	3107	273	1		72.67		166.02	1				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 07be 122b 2981 06ec 308c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
28.72	3123	274	3			58.69	171.23		3			RT	2						

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 07be 0eac 2acf 0e5c 30cc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
13.00	3144	276	4			73.73	166.45		4			RT	2						

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 07be 126f 299d 0680 3120 0204 0400 0001 0303 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.03	3252	286	2			77.23	166.86	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 07be 134f 29b7 0504 32d0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	14.09	3290	289	1			74.14	169.63	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:23.370	Radar Report Msg	0b01 001c 003a 07fa 1289 2a68 070c 3368 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.13	3242	285	4			77.08	166.77	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 07fa 1345 29b1 0510 32a8 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	13.94	3276	288	2			74.11	169.28	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 07fa 1287 2a52 06f8 3330 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:23.470	511		2			+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+19.77	-1.98	95	19.84	1088	96	19.86	104.38	154.89	113 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	CST	CST	+0	+1529	+0	+0	00000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:23.470	Active Track Maintenance Msg	1700 0058 0000 2fca 0000 2fca 0000 0000 0000 0000 fbf7 0000 09e2 ff03 0000 0000
		0000 0000 0000 440f 13dd 0a82 440f 13dd 0000 1a18 26b9 0811 01ff 0001 0000 0000
		0000 3f00 0203 1000 0303 0000 0000 0001 0100 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:23.470 491 2 1022 +0 +0 RADAR-ONLY: NO
FIRMNESS: 63
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 0
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-1.39 -16.49 184 16.49 2102 185 16.55 80.22 146.25 184 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
0 +2329 +2200 +0 +2329 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 48ca 0000 48ca 0000 0000 0000 0000 fbf7 0000 ff4e f7c1 0000 0000
0000 0000 0000 836d 108c 0212 836d 108c 0000 140e 2490 0d26 01eb 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: OVR
01:03:23.570 274 N8063T 2 4763 4763 1V +117 +36 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-18.57 -3.72 258 18.92 2942 259 18.94 66.89 162.94 122 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
72 +6329 +6200 +6242 +6278 +7 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

01:03:23.570 Active Track Maintenance Msg 1700 0058 0000 c430 0000 c5ca 0000 c312 003a 064c fbf7 003e f6b7 fe24 0000 0000
0854 02a1 0000 b7ea 12f0 09f3 7fff 12f0 5858 10b9 28bc 08bc 0112 0000 0000 0b5c
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09f3 0005 0032 ffff 0032 002c 022a 0000
0000 0000 0000 018b 0000 0003 0015 0000 0000 0000 00ae 0000 0070 0245 0112 00cb
0000 002d 0000 0194 0133 0144 0000 0000 0000 0000 0000 0000 0000 042f ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 00ff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0036 5041 3332 0000 0000 4f58 5200 4844 4600 2020 2020 2020 2020
2020 0000 4e38 3036 3354 0000 0000 0030 3030 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:23.570 475 N6887L 2 4714 4714 1W +185 +0 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-20.85 -1.66 265 20.88 3021 266 20.92 65.19 165.52 185 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
90 +4929 +4800 +4817 +4817 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 968c 0000 9a0a 0000 968c 003a 06a3 fbf7 0000 f593 ff2b 0000 0000
0d38 fffd 0000 bcd1 14ec 09cc 7fff 14ec a00c 104c 2961 0d38 01db 0000 0000 0000
041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0004 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 2000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09cc 0003 0000 ffff 0032 0038 0253 0000
0000 0000 0000 00b2 0000 0003 0000 0000 0000 0000 00f2 0000 0014 0138 01db 00c3
0000 01ee 0000 0062 0054 01c9 0000 0000 0000 0000 0000 0000 0000 025c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 1dff 0600 0000 0000 0000 0000 0100 0000 0000 0001 0001 0502
0001 0000 0000 0036 4334 3231 0000 0000 4f58 5200 4343 4200 2020 2020 2020 2020
2020 0000 4e36 3838 374c 0000 0000 0037 3937 0000 0057 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:23.570 297 2 1056 -14 +108 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-40.99 -3.14 265 41.05 3022 266 41.13 45.34 169.17 109 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
352 +5429 +5300 +5281 +5340 +12 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 a6e4 0000 a9aa 0000 a50e 003a 06a5 fbf7 0067 eb81 fe6e 0000 0000
fef8 07bb 0000 bce8 2920 022e 7fff 291c 00c0 0b56 2a4b 07cd 0129 0000 0000 1000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:23.570 87 CPF420 2 4664 4664 1X +76 -65 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-5.60 +0.34 273 5.57 3111 273 5.60 80.48 163.58 100 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
130 +4629 +4500 +4492 +4551 +12 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 8e38 0000 90aa 0000 8c63 003a 070b fbf7 0066 fd33 002c 0000 0000
0576 fb5d 0000 c27b 059a 09b4 7fff 059c 0114 141f 28e5 072a 0057 0000 0000 1000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09b4 0015 0032 0032 0032 003c 017c 0000
0000 0000 0000 0000 0000 0001 0026 0000 0000 0000 00ed 0000 01b0 009b 0057 0201
0000 016b 0000 0010 0184 0185 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2eff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 4332 3036 0000 0000 5748 5000 544f 4100 2020 2020 2020 2020
2020 0000 4350 4634 3230 0000 0000 0035 3634 0000 0058 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:23.570 9 2 1275 +2 +5 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-12.51 -10.99 228 16.61 2601 229 16.64 70.89 154.38 5 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
21 -470 -599 -599 -599 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 ffff ed41 ffff f14b ffff ed41 003a 04cd fbf7 0000 f9bf fa81 0000 0000
0027 0060 0000 a29e 10a3 02bd 7fff 10a8 011a 11b9 2698 0068 0009 0000 0000 1000
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:23.370	27	7.59	3352	295	5		80.03	166.53	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:23.590	Radar Report Msg	0b01 001c 003a 08ea 1402 29a2 03cc 3460 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.13	3427	301	4			80.94	166.81	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 08ea 143c 29b4 0390 358c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	9.25	3454	304	2			79.70	168.63	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 08ea 13ed 2a28 04a0 35f8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.19	3427	301	4			80.89	166.86	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg	0b01 001c 003a 08ea 1439 29b7 0398 358c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	7.13	3461	304	5			81.20		167.06		5		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 08ea 144d 29c4 0390 3614 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:23.690	362		2	0006			+342	-294	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-30.21	+5.29	279	30.64	3184 280	30.63	58.00	174.56	451	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
130	+16929	+16800	+16826	+16620	-53	-3	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:23.690	Active Track Maintenance Msg	1700 0058 0002 0762 0002 110a 0002 0dd6 003a 075d fbf7 fe54 f0e5 02a5 0000 0000
		1854 eb09 ffe3 c701 1ea2 0006 7fff 1eac 3c03 0e80 2ba4 201d 016a 0000 0000 0000
		041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:23.690	84	N774CS	2	3376	3376	1W	+155	-144	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-23.48	+6.96	286	24.44	3258 286	24.49	64.88	174.50	212	INHIBIT MSAW PROCESS: YES

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
132	+10229	+10100	+10114	+10079	-7	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0001 3afd 0001 3faa 0001 3c12 003a 07b1 fbf7 ffc4 f443 037b 0000 0000
0b15 f5be 0000 cbaa 187e 06fe 7fff 187c 2a44 1038 2ba0 0f1a 0054 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 06fe 0003 012c ffff f830 0037 01ab 0000
0000 0000 0000 00db 0000 0007 002e 0000 0000 0000 00a9 0000 0215 0249 0054 0250
0000 0000 0000 005e 0091 014a 0000 0000 0000 0000 0000 0000 0000 03cb ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2056 2eff 0000 0000 0000 0000 0000 0101 0003 0000 0001 0001 0502
0001 0000 0000 0043 4332 3130 0000 0000 5341 3900 544f 4100 2020 2020 2020 2020
2020 0000 4e37 3734 4353 0000 0000 0036 3032 0000 0057 0000 0000 0020 0000 004f
4646 5620 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:23.470	28	19.41	3478	306	4		73.44		176.72	4					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:23.690	Radar Report Msg	0b01 001c 003a 0944 125c 2c2e 09b4 3658 0204 0400 0004 0101 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	8.94	3523	310	1			80.64		168.97	1					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 0944 1429 2a3e 0478 370c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	30.47	3539	311	3			68.64		186.97	3					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:23.790	Radar Report Msg	0b01 001c 003a 09bc 1129 2ebe 0f3c 374c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	1.63	3585	315	0			85.22		162.78	0					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 09bc 154e 28b2 00d0 3804 0200 0000 0000 0103 1d00 0000
01:03:24.020 Delete Track Msg 1704 0008 004e 0510

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE--- ASSIGNED	BEACON CODE--- REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:24.020	194	DDA77	2	4043	4043	0	+400	-331	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-47.37	+21.34	294	51.89	3348 294	51.91	45.47	194.41	520	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
129	+21500	+21500	+21463	+21148	-68	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:24.020	Active Track Maintenance Msg	1700 0058 0002 94e4 0002 9fe0 0002 9ebc 003a 0814 0000 fddf e851 0aac 0000 0000
		1c80 e869 0001 d146 33e9 0823 7fff 33f4 0000 0b5e 309a 24ff 00c2 0000 0000 010e
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0823 0000 0136 ffff 0172 003f 0204 0000
		0000 0000 0000 0001 0007 0007 0007 0000 0000 0000 00ab 0000 0000 0000 00c2 0000
		0000 0000 0000 00c8 0155 0189 0000 0000 0000 0000 0000 0000 0000 023d ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0100 0000 0100 0000 0000 0000 0100 0000 0100 0000 0100 0000
		0100 0000 0001 0000 0001 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0005 2000 2fff 0000 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0102
		0001 0000 0000 0043 4c4a 3335 0000 0000 4649 4d00 564e 5900 2020 2020 2020 2020
		2020 0000 4444 4137 3700 0000 0000 0033 3535 0000 0000 0000 0000 0020 0000 0000
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:24.020	51	2	1331		-192	+283			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-23.08	+15.62	304	27.82	3459 304	27.88	67.70	182.47	342	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	Z FT/SEC/SEC	ALT SLID WINDOW
325	+31000	+31000	+31000	+31000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0003 c8c0 0003 c8c0 0003 c8c0 003a 0892 0000 0000 f476 07cf 0000 0000

f250 1425 0000 d839 1be1 02d9 7fff 1be0 a00e 10ed 2d9e 185b 0033 0000 0000 00d1
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:24.020	56	2	4752		-127	+193			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-26.65	+20.66	307	33.68	3501 308	33.72	65.27	188.53	231	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
326	+12029	+11900	+11900	+11900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 73e0 0001 77ea 0001 73e0 003a 08c1 fbf7 0000 f2ad 0a54 0000 0000
		f6e6 0dba 0000 dad4 21b8 09ea 7fff 21b8 01f0 1051 2f22 1078 0038 0000 0000 0700
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE ASSIGNED	BEACON CODE REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:24.020	384		2	1200		+103	+52		RADAR-ONLY: NO

FIRMNESS: 30

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
-35.43	-2.01	266	35.43	3034 267	35.46	51.02	168.86	115	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
63	+5629	+5500	+5500	+5500	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 abe0 0000 afea 0000 abe0 003a 06b4 fbf7 0000 ee49 feff 0000 0000
		0757 03b5 0000 bdab 2376 0280 7fff 237c 0000 0cc1 2a37 0839 0180 0000 0000 0000
		081f 1e00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE ASSIGNED	BEACON CODE REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:24.020	392		2	7304		-245	+256		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-24.00	+19.94	309	31.20	3524 310	31.20	67.73	187.05	355	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
316	+22100	+22100	+22074	+22232	+34	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:24.020 Active Track Maintenance Msg 1700 0058 0002 b6c6 0002 b2a0 0002 b1d0 003a 08da 0000 0115 f400 09f8 0000 0000
ee87 1242 0000 dc40 1f32 0ec4 7fff 1f34 0000 10ef 2ec3 1946 0188 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:24.020	400	2	4675				-188	-46	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-39.90	+33.47	310	52.04	3527 310	52.08	55.69	204.27	193	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
256	+14029	+13900	+13900	+13900	+0	+0	11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 b260 0001 b66a 0001 b260 003a 08dd fbf7 0000 ec0d 10bc 0000 0000
		f29d fcb2 0000 dc74 3414 09bd 7fff 3414 a00d 0dec 3311 0dca 0190 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:23.720	30	4.91	3691	324	4				84.11		166.16	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:24.030	Radar Report Msg	0b01 001c 003a 0a3e 1507 298a 0274 39ac 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		4.78	3699	325	1				84.22		166.05	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 0a3e 150e 2983 0264 39cc 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		23.09	3749	330	5				79.48		183.98	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 0a3e 13df 2dff 0b8c 3a94 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:24.130 59 2 4603 +0 +0 RADAR-ONLY: NO
FIRMNESS: 63
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 0
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+54.96 +12.52 77 56.34 877 77 56.37 141.98 159.95 332 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
0 +22300 +22300 +0 +22300 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:24.130	Active Track Maintenance Msg	1700 0058 0002 b8e0 0002 b8e0 0000 0000 0000 0000 0000 0000 1b7b 0643 0000 0000 0000 0000 0000 36df 385e 0983 36df 385e 0000 237f 27fd 17aa 003b 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:03:24.130	Delete Track Msg	1704 0008 0208 0710

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR SYSTEM	SYSTEM PROC	STR	SC	TYP	SYS
01:03:23.920	31	4.34	3801	334	2		84.98		165.78	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:24.130	Radar Report Msg	0b01 001c 003a 0b06 153f 2972 022c 3b64 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR SYSTEM	SYSTEM PROC	STR	SC	TYP	SYS
		7.72	3811	335	1		84.41		169.25	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 0b06 151a 2a50 03dc 3b8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR SYSTEM	SYSTEM PROC	STR	SC	TYP	SYS
		7.75	3850	338	3		84.84		169.36	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 0b06 1536 2a57 03e0 3c28 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR SYSTEM	SYSTEM PROC	STR	SC	TYP	SYS
		6.38	3876	341	4		85.27		167.97	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 0b06 1551 29fe 0330 3c90 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
10.59	3971	349	1						86.44	172.28	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:24.130	Radar Report Msg	0b01 001c 003a 0b1a 159c 2b12 054c 3e0c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
8.63	3976	349	2						86.38	170.28	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 0b1a 1598 2a92 0450 3e20 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
11.09	4051	356	1			87.81	172.61	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 0b1a 15f4 2b27 058c 3f4c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:24.230	322	N900RL	2	3601	3601	1F	-22	-264	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6
-10.36	+13.69	323	17.14	3672 323	17.13	79.23	177.67	265	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
184	+7629	+7500	+7524	+7476	-11	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:24.230	Active Track Maintenance Msg	1700 0058 0000 e9a6 0000 ee6a 0000 eb23 003a 0983 fbf7 ffa7 fad2 06d8 0000 0000
		fe63 ed37 fffe e58f 1121 0781 7fff 112c 5858 13cf 2c6b 12db 0142 0000 0000 1b90
		061f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0781 0001 0122 ffff 01c2 0037 01b6 0000
		0000 0000 0000 0084 0000 0001 008a 0000 0000 0000 008f 0000 012b 00a5 0142 009b
		0000 01c6 0000 01cb 000c 020d 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0100 0000 0000 0000 0000 0100 0003 0000 0001 0001 0702
0001 0000 0000 0031 474c 4634 0000 0000 504d 4400 5656 5600 2020 2020 2020 2020
2020 0000 4e39 3030 524c 0000 0000 0035 3736 0000 0046 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

END TIME START TIME TARGET REPORTS: LIVE SIMULATED VALID MODE-C: 0
01:03:24.120 01:03:19.390 RADAR-ONLY 119 0 0.0%
SENSOR = 2 BEACON-ONLY 0 0
RADAR & BEACON 0 0 VALID MODE-3/A: 0
TOTAL 119 0 0.0%

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:03:24.350 Sensor Sector Mark Msg 1715 000c 003a 0bd8 0000 0200

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:03:24.350	74	N40905	2	6701	6701	0	-60	+73	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
-8.66	+15.18	330	17.41	3757 330	17.50	81.25	178.66	95	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
320	+9929	+9800	+9799	+9793	-1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:24.350	Active Track Maintenance Msg	1700 0058 0001 320a 0001 364a 0001 323c 003a 09e1 fbf7 fff6 fbab 0797 0000 0000 fbae 053b 0000 ead5 117f 0dc1 7fff 117c 0000 1450 2caa 06c8 004a 0000 0000 0000 061f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE--- ASSIGNED	BEACON CODE--- REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:03:24.350	358	DSO92	2	7303	7303	0	+17	+308	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7
-2.34	+11.37	348	11.54	3963 348	11.58	86.38	173.17	309	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
3	+15629	+15500	+15483	+15578	+20	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:24.350	Active Track Maintenance Msg	1700 0058 0001 e6d2 0001 e86a 0001 e3da 003a 0ac9 fbf7 00a7 fed5 05af 0000 0000 0146 15f2 0001 f7be 0b94 0ec3 7fff 0b9c 2a44 1598 2b4b 15fb 0166 0000 0000 0000 071f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0200 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0ec3 0000 0172 0172 0172 003c 010c 0000
		0000 0000 0000 0000 0000 0005 0005 0000 0000 0000 00c9 0000 016c 002d 0166 0154
		0000 000a 0000 01cd 0187 0113 0000 0000 0000 0000 0000 0000 0000 01ef ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
		0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0005 2000 af00 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
		0001 0000 0000 0043 4639 3030 0000 0000 564e 5900 504d 4400 2020 2020 2020 2020
		2020 0000 4453 4f39 3200 0000 0000 0032 3133 0000 0000 0000 0000 0020 0000 0000
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG X	QUA NM	BEACON Y	ALT NM	COR STAT	SYSTEM X	SYSTEM Y	PROC	STR	SC	TYP	SYS
01:03:24.130	1	5.06	4012	353	3				86.38	166.59	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:24.350	Radar Report Msg	0b01 001c 003a 0bd8 1598 29a6 0288 3eb0 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG X	QUA NM	BEACON Y	ALT NM	COR STAT	SYSTEM X	SYSTEM Y	PROC	STR	SC	TYP	SYS
01:03:24.340	2	9.06	58	5	3				88.78	170.22	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:24.570 Radar Report Msg 0b01 001c 003a 0c50 1632 2a8e 0488 00e8 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
5.84	35	3	2				87.47		167.17	2			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 0c50 15de 29cb 02ec 008c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
9.44	202	18	3				90.75		169.67	3			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 0c50 16b0 2a6b 04b8 0328 0203 0300 0001 0203 1d00 0000
01:03:24.670	Delete Track Msg	1704 0008 011a 0010

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:24.670	Delete Track Msg	1704 0008 018a 0610

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	X	SYSTEM NM	Y	PROC NM	STR STAT	SC	TYP	SYS
01:03:24.460	3	10.34	202	18	3				91.23		170.45	3			RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:24.670	Radar Report Msg	0b01 001c 003a 0d2c 16cf 2a9d 052c 0328 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	X	SYSTEM NM	Y	PROC NM	STR STAT	SC	TYP	SYS
		10.59	246	22	2				91.95		170.27	2			RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 0d2c 16fd 2a91 054c 03d8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	X	SYSTEM NM	Y	PROC NM	STR STAT	SC	TYP	SYS
		17.56	264	23	5				96.50		175.63	5			RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 0d2c 1820 2be8 08c8 0420 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	X	SYSTEM NM	Y	PROC NM	STR STAT	SC	TYP	SYS

01:03:24.690 5 38.47 451 40 4 117.00 184.20 4 RT 2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:24.890	Radar Report Msg	0b01 001c 003a 0e12 1d40 2e0d 133c 070c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	SYSTEM COR	SYSTEM	PROC	STR	SC	TYP	SYS
	51.66	459	40	4		128.09	191.38	4				RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 0e12 2006 2fd8 19d4 072c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	SYSTEM COR	SYSTEM	PROC	STR	SC	TYP	SYS
	7.22	490	43	1		91.72	165.58	1				RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 0e12 16ee 2965 039c 07a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	7.22	470	41	2					91.59	165.77	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 0e12 16e6 2971 039c 0758 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	7.38	516	45	1					92.00	165.42	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 0e12 1700 295b 03b0 0810 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:25.010	451		2	7211		+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+31.98	-23.16	126	39.43	1432 126	39.48	110.78	131.30	123	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+429	+300	+0	+429	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:25.010	Active Track Maintenance Msg	1700 0058 0000 0d6a 0000 0d6a 0000 0000 0000 0000 fbf7 0000 0ffd f46b 0000 0000 0000 0000 0000 598b 277c 0e89 598b 277c 0000 1bb2 20d3 08c7 01c3 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:25.010	532	EJA631	2	4757	0		-279	-153	RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0
+10.02	+29.38	18	31.03	214 19	31.04	102.91	187.64	0	VALID ALTITUDE: NO

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
241	CST	CST	+0	+0	+0	+0	00000

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0503 0eb0 0000 0000
ec17 f50d 0000 0d65 1f09 09ef 0d65 1f09 0000 19ba 2ee9 0001 0214 0001 0000 0000
0000 3f00 0201 1000 0000 0000 0000 0000 0100 0000 0000 0100

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09ef 0000 0172 ffff ffff 003c 026d 0000
0000 0000 0000 0001 0001 0001 0001 0000 0000 0000 009a 0000 003e 01bd 0214 01a5
0000 00ec 0000 01c8 005b 0124 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2fff 0100 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0702
0101 0000 0000 0031 4335 3658 0000 0000 504d 4400 564e 5900 2020 2020 2020 2020
2020 0000 454a 4136 3331 0000 0000 0039 3135 0000 0000 0000 0000 0020 0000 0000
0000 2020 2000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

01:03:25.240 Delete Track Msg 1704 0008 0256 0610

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:25.240 460 2 4757 -240 -168 RADAR-ONLY: NO
FIRMNESS: 20

DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+9.64 +29.33 18 30.85 204 18 30.86 102.48 187.70 293 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
235 +14029 +13900 +13900 +13900 +0 +0 00111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:25.240	Active Track Maintenance Msg	1700 0058 0001 b260 0001 b66a 0001 b260 003a 0cc0 fbf7 0000 04d2 0eaa 0000 0000 eedd f40b 0000 0cce 1edd 09ef 0cf0 1ee0 0ba4 199f 2eed 14e5 01cc 0000 0000 4201 0507 1400 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
01:03:25.030	7	4.03	731	64	7		89.39	162.53	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:25.240	Radar Report Msg	0b01 001c 003a 0eee 1659 28a2 0204 0b6c 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
		3.69	697	61	2		88.98	162.64	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 0ef8 163f 28a9 01d8 0ae4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	3.56	723	64	3		88.88	162.48	3		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 0ef8 1638 289f 01c8 0b4c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	3.91	776	68	2		89.30	162.27	2		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 0ef8 1653 2891 01f4 0c20 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	4.34	858	75	1		89.80	161.83	1		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:25.240	Radar Report Msg	0b01 001c 003a 0f66 1673 2875 022c 0d68 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS

5.28 978 86 4 90.70 160.91 4 RT 2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:25.340	Radar Report Msg	0b01 001c 003a 0fd4 16ad 283a 02a4 0f48 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:25.450	311	2	3275			+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+26.60	-24.22	132	35.92	1505 132	35.97	105.31	131.66	233	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:25.450	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0d4d f3e4 0000 0000 0000 0000 0000 5e17 23f9 06bd 5e17 23f9 0000 1a54 20ea 109d 0137 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:25.550	3	2	7220		+318	+391			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+35.26	+22.55	57	41.82	655 58	41.86	125.44	174.63	504	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
39	+24100	+24100	+24112	+24251	+29	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:25.550	Active Track Maintenance Msg	1700 0058 0002 f5de 0002 f120 0002 f187 003a 0eb6 0000 00e8 11a1 0b46 0000 0000 16aa 1bd1 fffd 28f5 29db 0e90 28d0 29dc 0000 1f5c 2ba8 23e1 0003 0000 0000 0f5c 051f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:25.550	6	2	1274		+0	+7			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+37.57	+17.84	64	41.57	734 65	41.58	126.64	169.53	7	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
2	-770	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e7eb ffff e3e1 003a 0f12 fbf7 0000 12c9 08ec 0000 0000 0007 0090 0000 2dea 2995 02bc 2df0 2998 1d00 1fa9 2a62 0091 0006 0000 0000 07c0 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001
01:03:25.550	Delete Track Msg	1704 0008 0249 0810

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:25.470	10	4.53	995	87	3		89.91		160.94	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:25.690	Radar Report Msg	0b01 001c 003a 10b0 167a 283c 0244 0f8c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.97	1155	102	1				92.77	158.38	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:25.690	Radar Report Msg	0b01 001c 003a 1128 1731 2798 03fc 120c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
47.03	1108	97	4				129.30	144.14	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1128 2053 2409 1784 1150 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
2.91	1123	99	0				87.98	160.88	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1128 15ff 2838 0174 118c 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.66	1171	103	4				92.39	158.36	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 1128 1719 2797 03d4 124c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
29.19	1109	97	5							112.73		150.81	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1128 1c2f 25b4 0e98 1154 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
17.06	1123	99	3							101.34		155.08	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1128 1956 26c5 0888 118c 0203 0300 0003 0003 1d00 0000

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TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	41.44	1171	103	4				122.42		142.61	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1128 1e9b 23a7 14b8 124c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	7.56	1172	103	4				92.30		158.39	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1128 1713 2799 03c8 1250 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	50.47	1176	103	5				130.25		138.08	5		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1128 2090 2285 193c 1260 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	5.69	1212	107	2				90.42		159.00	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 1128 169b 27c0 02d8 12f0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.97	1203	106	3			90.72		158.92	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1128 16ae 27bb 02fc 12cc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	29.50	1232	108	5			110.45		145.78	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:25.690	Radar Report Msg	0b01 001c 003a 1132 1b9d 2472 0ec0 1340 0205 0500 0003 0102 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
6.31	1233	108	3			90.88	158.50	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1132 16b8 27a0 0328 1344 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
41.47	1257	110	5			119.61	137.94	5		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1132 1de7 227c 14bc 13a4 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
6.31	1258	111	4			90.75	158.31	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1132 16b0 2794 0328 13a8 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:25.780	523	2		0646			-235	-98	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PREDICTED DEG	RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES

+43.66 -0.06 90 43.63 1024 90 43.64 127.91 150.69 254 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
247	+13429	+13300	+13270	+13209	-12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:25.780	Active Track Maintenance Msg	1700 0058 0001 9ccf 0001 a3aa 0001 9eb0 003a 1059 fbf7 ff99 15d4 fff8 0000 0000 ef49 f8f9 0000 400e 2ba5 01a6 4010 2ba8 5858 1ffa 25ac 1222 020b 0000 0000 054c 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM PROC	STR	SC	TYP	SYS
01:03:25.570	11	10.03	1281	113	5		93.64		155.83	5		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:25.790	Radar Report Msg	0b01 001c 003a 1182 1769 26f5 0504 1404 0205 0500 0003 0102 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
21.13	1319	116	5				101.73	148.11	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1182 196f 2507 0a90 149c 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.34	1291	113	1				91.39	157.41	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1182 16d9 275a 03ac 142c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.34	1315	116	3				91.22	157.20	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1182 16ce 274d 03ac 148c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
28.28	1388	122	7				105.11	141.28	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 1182 1a47 2352 0e24 15b0 0207 0700 0003 0302 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:25.900	101	2	3507	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+23.83	-30.02	141	38.30	1610	142	38.33	101.16	126.75	224 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:25.900	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0bea f0fd 0000 0000
		0000 0000 0000 64aa 2654 0747 64aa 2654 0000 194a 1fb0 0ffa 0065 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:25.900	245	2		5266	+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+46.94	-4.63	95	47.16	1088 96	47.16	129.97	145.41	159	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+4029	+3900	+0	+4029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 7dea 0000 7dea 0000 0000 0000 0000 fbf7 0000 1778 fdb0 0000 0000
		0000 0000 0000 4400 2f2a 0ab6 4400 2f2a 0000 207e 245a 0b51 00f5 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:25.900	527	2		4676	+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+23.14	-28.05	140	36.31	1598 140	36.36	101.00	128.83	120	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2129	+2000	+0	+2129	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 428a 0000 428a 0000 0000 0000 0000 fbf7 0000 0b92 f1fa 0000 0000
0000 0000 0000 63e4 245c 09be 63e4 245c 0000 1940 2035 0896 020f 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	20.63	1363	120	3			100.42		147.41		3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:25.900	Radar Report Msg	0b01 001c 003a 11f0 191b 24da 0a50 154c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	35.41	1439	126	5			107.91		134.27		5		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 11f0 1afa 2191 11b4 167c 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	38.56	1460	128	7			108.91	131.05	7		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 11f0 1b3a 20c3 1348 16d0 0207 0700 0005 0302 1d00 0000
01:03:26.120	Delete Track Msg	1704 0008 0099 0010

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:26.120	519	2	1631	-163	-90				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+53.58	-8.54	99	54.23	1129	99	54.28	135.39	139.97	186 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
241	+8029	+7900	+7900	+7900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:26.120	Active Track Maintenance Msg	1700 0058 0000 f6e6 0000 faea 0000 f6e5 003a 10cb fbf7 0000 1aca fbbb 0000 0000
		f463 f989 0000 4690 3648 0399 4670 3640 0000 21d9 22fe 0d4a 0207 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:03:26.120	394	N121NA	2	1320	1320	1X	-115	+18	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+19.83 -3.25 99 20.07 1130 99 20.10 104.09 153.66 116 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
279 +5929 +5800 +5800 +5800 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 b540 0000 b94a 0000 b540 003a 10cf fbf7 0000 09ea fe60 0000 0000
		f7c9 014e 0000 46a2 141a 02d0 46a0 1418 a004 1a06 266a 0851 018a 0000 0000 6088
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 02d0 0015 003c 003c 003c 0000 023d 0000
0000 0000 0000 0000 0000 0024 0005 0000 0000 0000 02db 0000 001a 015e 018a 0099
018b 0027 0000 0113 0248 0168 0000 0000 0000 0000 0000 0000 0000 020e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 a4ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5041 3434 0000 0000 5241 4c00 5344 3800 2020 2020 2020 2020
2020 0000 4e31 3231 4e41 0000 0000 0036 3932 0000 0058 0000 0000 0020 0000 0046
3036 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:26.120 298 2 0771 -205 -81 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+30.45 -5.23 99 30.88 1133 100 30.87 113.84 149.05 220 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
248 +9929 +9800 +9809 +9745 -13 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 308f 0001 364a 0001 328f 003a 10d4 fbf7 ff92 0f39 fd62 0000 0000

f169 fa39 0000 46df 1ede 01f9 46f0 1ee4 0000 1c76 2543 0fb1 012a 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:26.120	339	2	2201		-216	-120			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+50.45	-12.14	103	51.87	1177 104	51.83	131.44	137.27	247	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
241	+9029	+8900	+8900	+8908	+1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 1660 0001 1a2a 0001 1625 003a 1105 fbf7 000d 193a f9ee 0000 0000
		f09d f775 0000 499c 33d4 0481 49a0 33e4 0200 20dc 2251 119a 0153 0000 0000 0202
		061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:26.120 389 2 1654 -191 -39 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 6
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+44.27 -14.54 108 46.56 1234 108 46.52 124.86 136.53 195 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
258 +8429 +8300 +8336 +8193 -32 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 000f 0001 076a 0001 0486 003a 1140 fbf7 fefe 1622 f8bb 0000 0000
f261 fd3a fffc 4d24 2e86 03ac 4cf0 2e98 0102 1f37 2222 0de7 0185 0000 0000 0202
061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:26.120 207 N8451R 2 4647 4647 1X -103 +18 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+7.49 -2.95 111 8.00 1268 111 8.04 92.23 157.11 105 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
280 +6029 +5900 +5901 +5901 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 b86d 0000 bc6a 0000 b86d 003a 116a fbf7 0000 03bf fe87 0000 0000
f8a0 0151 0000 4f43 0809 09a7 4f40 080c 0000 170f 2747 077e 00cf 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09a7 0015 003c 003c 003c 0028 0068 0000
0000 0000 0000 0000 0000 0026 0001 0000 0000 0000 00b0 0000 0037 00e1 00cf 0041
0000 0044 0000 01bb 0036 00bd 0000 0000 0000 0000 0000 0000 0000 020c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5032 3841 0000 0000 504f 4300 5656 5600 2020 2020 2020 2020
2020 0000 4e38 3435 3152 0000 0000 0036 3633 0000 0058 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:26.120	280	2		6737		+512	+106		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+49.98	-19.98	111	53.77	1272 112	53.80	128.88	129.91	523	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
78	+26500	+26500	+26528	+26669	+30	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0003 4168 0003 3c20 0003 3d06 003a 116f 0000 00f3 18fd f602 0000 0000
		2475 0796 0000 4f80 35ce 0ddf 4f80 35d4 0000 2038 207a 253d 0118 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:26.120	590	2		4624		-12	-109		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+34.06	-14.17	112	36.88	1281 113	36.88	115.09	139.47	110	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
186	+3029	+2900	+2895	+2901	+1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 5aaa 0000 5eaa 0000 5a78 003a 1179 fbf7 000b 1108 f8ea 0000 0000
ff22 f835 0000 5015 24e1 0994 5010 24e4 0000 1cc6 22de 07d7 024e 0000 0000 0000
051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM	Y	NM	STAT	SYSTEM COR	SYSTEM	PROC STR	SC	TYP	SYS
01:03:25.800	12	4.25	1533	135	4		87.77		158.45	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:26.130	Radar Report Msg	0b01 001c 003a 12c2 15f1 279d 0220 17f4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM	Y	NM	STAT	SYSTEM COR	SYSTEM	PROC STR	SC	TYP	SYS
		23.28	1573	138	5		96.31		141.14	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 12c2 1814 2349 0ba4 1894 0205 0500 0003 0102 1d00 0000

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:26.220	431		2	2734		-36	-128		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
+32.98	-18.88	119	37.96	1362 120	38.01	112.84	135.20	133	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
195	+2229	+2100	+2064	+2005	-12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:26.220	Active Track Maintenance Msg	1700 0058 0000 3eac 0000 45aa 0000 4087 003a 11d5 fbf7 ff9a 107d f68f 0000 0000 fd70 f6e2 0000 552d 2603 05dc 5530 2600 5858 1c36 21cd 0979 01af 0000 0000 013c 091f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:26.220	55		2	7230		-252	-82		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+16.41	-10.59	122	19.48	1398 123	19.54	98.92	147.42	265	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
251	+4929	+4800	+4776	+4645	-28	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 9129 0000 9a0a 0000 9541 003a 11fc fbf7 ff1e 0834 fab4 0000 0000
ee10 fa22 0000 576f 138a 0e98 5760 1388 0000 18bb 24db 12df 0037 0000 0000 0bdb
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:26.020	14	12.28	1698	149	5		89.13		150.13	5		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:26.250	Radar Report Msg	0b01 001c 003a 133a 1648 2588 0624 1a88 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		4.00	1718	151	2		86.67		158.28	2		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:26.260	Radar Report Msg	0b01 001c 003a 1344 15ab 2792 0200 1ad8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	3.28	1685	148	4			86.61	159.11	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1344 15a7 27c7 01a4 1a54 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:26.340	561	2	4745	-142	+127				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+17.84	-18.28	135	25.50	1544	136	25.55	98.36	139.64	191	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
311	+6129	+6000	+5994	+5895	-21	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:26.340	Active Track Maintenance Msg	1700 0058 0000 b838 0000 bf8a 0000 bb57 003a 12a1 fbf7 ff54 08ec f6dc 0000 0000
		f5d7 0911 0000 6088 198c 09e5 6080 198c 0000 1897 22e9 0d9e 0231 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:26.340	329	2	4657	-140	+174				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
+25.25	-26.27	136	36.42	1548 136	36.43	103.48	130.03	223	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
321	+7029	+6900	+6900	+6900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 d7a0 0000 dbaa 0000 d7a0 003a 12a6 fbf7 0000 0ca0 f2dd 0000 0000
		f600 0c65 0000 60c2 246f 09af 60d0 2470 0000 19df 2082 0fed 0149 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	4.09	1784	157	4		86.31	158.11	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:26.340	Radar Report Msg	0b01 001c 003a 13b2 1594 2787 020c 1be0 0204 0400 0001 0303 1d00 0000

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TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	5.03	1763	155	1				86.61		157.14	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 13b2 15a7 2749 0284 1b8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	4.06	1819	160	3				86.11		158.13	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 13b2 1587 2788 0208 1c6c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	21.34	1826	160	7				87.53		140.63	7		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 13b2 15e2 2328 0aac 1c88 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	3.97	1866	164	2				85.84		158.20	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 13b2 1576 278d 01fc 1d28 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
4.13	1811	159	2				86.17		158.06	2		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 13b2 158b 2784 0210 1c4c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
22.81	1827	161	3				87.63		139.16	3		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 13b2 15e8 22ca 0b68 1c8c 0203 0300 0003 0003 1d00 0000

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:26.440	328		2	6655	+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+20.67	-22.72	137	30.66	1566 138	30.71	99.97	134.61	180	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1729	+1600	+0	+1729	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:26.440	Active Track Maintenance Msg	1700 0058 0000 360a 0000 360a 0000 0000 0000 0000 fbf7 0000 0a56 f4a4 0000 0000 0000 0000 0000 61eb 1eb7 0dad 61eb 1eb7 0000 18fe 21a7 0cce 0148 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:26.440	321		2	4665	+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+40.00	-3.76	95	40.17	1085 95	40.18	123.48	148.02	197	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+3029	+2900	+0	+3029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 5eaa 0000 5eaa 0000 0000 0000 0000 fbf7 0000 1400 fe1f 0000 0000
0000 0000 0000 43d1 282d 09b5 43d1 282d 0000 1edf 2501 0e0b 0141 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:26.440	98	2	3253		+151	-126			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
+8.02	-9.56	140	12.46	1588 140	12.50	91.09	150.58	197	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
130	+5529	+5400	+5426	+5250	-38	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:03:26.440 Active Track Maintenance Msg 1700 0058 0000 a415 0000 acca 0000 a993 003a 12d8 fbf7 fecc 0403 fb38 0000 0000
0abf f6fd ffff 6344 0c81 06ab 6390 0c7c 0001 16c6 25a5 0e07 0062 0000 0000 0100
071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:26.440 278 2 4613 +254 +60 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+15.70 -21.78 144 26.82 1640 144 26.85 95.41 136.78 261 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
76 +6029 +5900 +5919 +5926 +1 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 b935 0000 bc6a 0000 b8fe 003a 130e fbf7 000c 07da f51c 0000 0000
121d 044f 0000 6683 1ada 098b 6690 1adc a001 17da 2232 129e 0116 0000 0000 5ae8
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:26.440 7 2 1275 +6 -3 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 0
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: NO
+41.67 -14.41 109 44.04 1241 109 44.11 122.38 137.33 6 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
117	+0	+0	+0	+0	+0		00000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 0000 0000 0000 0000 0000 003a 114c 0000 0000 14d6 f8cc 0000 0000 006f ffc6 0000 4d9f 2c1c 02bd 4d90 2c18 0000 1e98 2255 007d 0007 0000 0000 0000 0000 2600 0203 1000 0300 0100 0000 0001 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:26.340	16	6.28	1886	166	2		85.72		155.77	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:26.570	Radar Report Msg	0b01 001c 003a 1484 156e 26f1 0324 1d78 0202 0200 0001 0103 1d00 0000
01:03:26.660	Delete Track Msg	1704 0008 01bd 0010

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:26.660	406	2	4622	-149	-3				RADAR-ONLY: NO

FIRMNESS: 34

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+12.61	-21.95	150	25.28	1706 150	25.33	92.38	137.42	149	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
268	+4029	+3900	+3900	+3900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:26.660	Active Track Maintenance Msg	1700 0058 0000 79e0 0000 7dea 0000 79e0 003a 1359 fbf7 0000 064e f507 0000 0000 f55a ffc8 0000 6aaf 1954 0992 6ac0 1950 0057 1718 225b 0aa6 0196 0000 0000 0700 0a1f 2200 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:26.660	530	2	4643	-270	+190				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+24.05	-44.83	151	50.83	1727 152	50.87	97.59	112.47	330	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
305	+20000	+20000	+20000	+20000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0002 7100 0002 7100 0002 7100 003a 136e 0000 0000 0c07 e996 0000 0000
ecc3 0d8f 0000 6bf3 32de 09a3 6bf0 32e0 031c 1866 1c1e 1789 0212 0000 0000 0001
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:26.660	312	2	3220			-159	-45		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+7.08	-14.23	153	15.85	1748	154	15.86	89.00	146.28	166	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
254	+1829	+1700	+1697	+1561	-29	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 30c8 0000 392a 0000 3508 003a 1385 fbf7 ff15 038a f8e3 0000 0000
		f4a2 fccb 0000 6d45 0fdc 0690 6d30 0fe4 0000 1640 2492 0bcf 0138 0000 0000 1b22
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:26.660	176	2	4772		+174	+51			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+2.77	-10.73	165	11.04	1879 165	11.06	85.72	150.78	181	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
73	+5029	+4900	+4914	+4824	-19	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 96c6 0000 9d2a 0000 9993 003a 141e fbf7 ff61 0163 faa3 0000 0000
		0c68 03ae ffff 757d 0b0f 09fa 75b0 0b14 a001 156e 25b2 0cf1 00b0 0000 0000 6a90
		061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:26.560	17	4.19	2003	176	1		85.05	158.03	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:26.780	Radar Report Msg	0b01 001c 003a 1556 1543 2782 0218 1f4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	5.19	2083	183	4			84.25	157.14	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1560 1510 2749 0298 208c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	31.44	2163	190	3			72.58	133.34	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:26.780	Radar Report Msg	0b01 001c 003a 1574 1225 2156 0fb8 21cc 0203 0300 0003 0003 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.44	2243	197	1			83.58	158.33	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1574 14e5 2795 0238 230c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.44	2219	195	1			83.72	158.25	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1574 14ee 2790 0238 22ac 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.38	2275	200	1			82.84	157.63	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1574 14b6 2768 02b0 238c 0201 0100 0001 0000 1d00 0000
01:03:26.880	Delete Track Msg	1704 0008 023a 0010

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:26.880	219	2	1060		-402	-146			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY	DISPLAY	DISPLAY	DISPLAY	PRED_AZIM	PREDICTED	SYSTEM	SYSTEM	SPEED	ALTITUDE FIRMNESS: 10

X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+3.47 -16.49 168 16.79 1913 168 16.87 84.97 145.97 428 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
250 +35000 +35000 +35000 +35000 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:26.880	Active Track Maintenance Msg	1700 0058 0004 45c0 0004 45c0 0004 45c0 003a 1440 0000 0000 01bc f7c1 0000 0000 e361 f58f 0000 7794 10de 0230 7790 10dc 003a 153e 247e 1e77 00db 0000 0000 221d 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:26.880	310	2	1051		+427	+100			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+3.13	-32.73	174	32.84	1986 175	32.88	80.48	129.58	438	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
76	+20900	+20900	+20930	+21095	+35	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 933c 0002 8d20 0002 8e14 003a 1492 0000 011d 0190 efa3 0000 0000 1e5e 071d 0000 7c2e 20e0 0229 7c20 20e0 0001 141f 2065 1f31 0136 0000 0000 13b2 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:26.670	18	45.59	2276	200	4		59.78	124.42	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:26.890	Radar Report Msg	0b01 001c 003a 15ce 0ef2 1f1b 16cc 2390 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	10.72	2298	202	3			79.44	153.34	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 15ce 13dc 2656 055c 23e8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X NM	SYSTEM Y NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	6.09	2379	209	1			81.70	157.59	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 15ce 146d 2766 030c 252c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:27.000	160	2	4645		+107	+315			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+1.56	-15.87	174	15.89	1987 175	15.99	83.27	146.20	333	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
18	+11929	+11800	+11786	+12024	+56	+2	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:27.000	Active Track Maintenance Msg	1700 0058 0001 77c1 0001 74ca 0001 7051 003a 1490 fbf7 01c1 00c8 f811 0000 0000
		079d 1673 0010 7c3c 0ffd 09a5 7c00 0ff4 003a 14d1 248d 17b4 00a0 0000 0000 1c28
		041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:27.000	449	2	7242		-316	+137			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
+1.82	-34.79	177	34.80	2013 177	34.84	78.75	128.13	345	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
293	+32400	+32400	+32379	+32472	+20	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0003 f6c2 0003 f480 0003 f3db 003a 14b1 0000 00a5 00e9 ee9b 0000 0000
e97a 09c5 0001 7dd4 22d8 0ea2 7de0 22d8 0b01 13b0 2008 188d 01c1 0000 0000 094c
071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:27.000	580	2	4614		-65	+56			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7
+0.23	-18.62	179	18.56	2041 179	18.60	81.25	143.78	86	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
311	+4429	+4300	+4317	+4365	+10	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 886b 0000 8a6a 0000 86ed 003a 14cf fbf7 0053 001d f6b1 0000 0000
		fb60 0402 0000 7f9a 1299 098c 7f80 12a0 5858 1450 23f2 061f 0244 0000 0000 09c0
		071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:27.100	49	2	6311		+368	-91			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7
-13.02	-43.63	196	45.52	2236 197	45.54	62.11	123.00	379	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
104	+11529	+11400	+11437	+11309	-28	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:27.100	Active Track Maintenance Msg	1700 0058 0001 616c 0001 684a 0001 656c 003a 15ac fbf7 ff1d f97e ea2f 0000 0000
		1a38 f97c fffe 8bc5 2d8a 0cc9 7fff 2d88 0000 0f87 1ec0 1b05 0031 0000 0000 0000
		071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:26.890	20	5.56	2506	220	1		81.41	158.78	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:27.120	Radar Report Msg	0b01 001c 003a 16aa 145a 27b2 02c8 2728 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
5.56	2531	222	1			81.30		158.95	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 16aa 1453 27bd 02c8 278c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:27.320	379	2	6312	+289	-6				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
-8.31	-12.52	213	15.01	2428 213	14.98	74.59	151.89	290	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
91	+9529	+9400	+9426	+9360	-14	+0	11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:27.320	Active Track Maintenance Msg	1700 0058 0001 2484 0001 29ca 0001 2695 003a 1685 fbf7 ff8c fbd8 f9bd 0000 0000 149f ff85 0000 97cf 0efb 0cca 7fff 0f08 0039 12a6 25f9 14a0 017b 0000 0000 24a6 091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR ALT STAT	SC	TYP	SYS
01:03:27.120	21	5.97	2581	227	4		80.70	159.09	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1790 142d 27c6 02fc 2854 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR ALT STAT	SC	TYP	SYS
	10.28	2643	232	4			76.42	157.88	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 179a 131b 2778 0524 294c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR ALT STAT	SC	TYP	SYS
01:03:27.210	22	7.09	2650	233	1		79.38	159.20	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:27.440	Radar Report Msg	0b01 001c 003a 17a4 13d8 27cd 038c 2968 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.78	2637	232	4				79.72	159.20	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 17a4 13ee 27cd 0364 2934 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
8.69	2659	234	3				77.83	158.70	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 17a4 1375 27ad 0458 298c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
22.00	2699	237	3				64.91	155.05	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 17a4 103a 26c3 0b00 2a2c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	7.22	2666	234	1					79.19	159.31	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 17a4 13cc 27d4 039c 29a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	15.75	2746	241	2					70.56	158.06	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 17a4 11a4 2784 07e0 2ae8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	9.69	2731	240	1					76.55	159.33	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 17a4 1323 27d5 04d8 2aac 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS

8.72 2739 241 1 77.47 159.69 1 RT 2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 17b8 135e 27ec 045c 2acc 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	ALT NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	2.00	2796	246	5		84.61		161.64		5		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:27.440	Radar Report Msg	0b01 001c 003a 17f4 1527 2869 0100 2bb0 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	ALT NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	12.00	2835	249	3		73.94		160.58		3		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 17f4 127c 2825 0600 2c4c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X NM	Y NM	STAT					
01:03:27.330	23	15.13	2862	252	2			70.77	160.86	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:27.550	Radar Report Msg	0b01 001c 003a 186c 11b1 2837 0790 2cb8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X NM	Y NM	STAT					
	29.66	2810	247	1				56.47	157.56	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 186c 0e1e 2764 0ed4 2be8 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:27.660	275	2		0257		+0	+0		RADAR-ONLY: NO
									FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PREDICTED DEG	RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+36.00	+0.39	89	36.00	1016	89	36.00	120.67	153.05	87	INHIBIT MSAW PROCESS:
										INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
0	+1829	+1700	+0	+1829	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:27.660	Active Track Maintenance Msg	1700 0058 0000 392a 0000 392a 0000 0000 0000 0000 fbf7 0000 1200 0032 0000 0000 0000 0000 0000 3f8e 2400 00af 3f8e 2400 0000 1e2b 2643 063b 0113 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:27.660	8	2	1273	+0	+0				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-37.78	-33.20	228	50.26	2602 229	50.30	40.80	139.36	0	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
233	-899	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:27.660	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e3e1 ffff e3e1 003a 1747 0000 0000 ed1c ef66 0000 0000
		fff8 fffa 0000 a2a0 324d 02bb 7fff 324c 0000 0a33 22d7 000a 0008 0000 0000 0000
		0a1f 2603 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:27.660	304	2	7342		-317	+155			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-26.26	-21.48	230	33.89	2624 231	33.92	55.36	147.95	353	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
296	+35000	+35000	+34997	+34999	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 45b8 0004 45c0 0004 45ad 003a 1761 0000 0002 f2df f543 0000 0000
		e96f 0b0b 0000 a40d 21eb 0ee2 7fff 21ec 0000 0dd7 24fd 191f 0130 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:27.660	586	2	4673		+317	+13			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
-20.05	-12.14	238	23.39	2717 239	23.45	63.36	155.22	317	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
87	+10529	+10400	+10415	+10320	-20	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 4283 0001 490a 0001 4578 003a 17c8 fbf7 ff5a f5fa f9ee 0000 0000
		1690 00f9 0000 a9d8 1774 09bb 7fff 1770 0000 0fd7 26ce 1695 024a 0000 0000 0000
		071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:27.660 173 2 6307 +500 -224 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-16.15 -10.33 237 19.14 2700 237 19.18 68.23 156.19 548 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
114 +33000 +33000 +33000 +33000 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0004 0740 0004 0740 0004 0740 003a 17b6 0000 0000 f7ed fad6 0000 0000
2395 f00a 0000 a8c8 132d 0cc7 7fff 132c 0000 110f 270c 2700 00ad 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:27.760 319 OPT708 2 4725 4725 1W +121 +26 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-1.45 -0.73 244 1.59 2768 243 1.61 84.17 161.52 124 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
77 +1129 +1000 +1031 +970 -13 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

01:03:27.760 Active Track Maintenance Msg 1700 0058 0000 1e56 0000 234a 0000 203c 003a 1805 fbf7 ff97 ff46 ffa3 0000 0000
08a6 01e5 0000 ad0a 019c 09d5 7fff 01a0 0000 150b 2861 08da 013f 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0004 0000 0000 0000 0202 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0003
0000 0200 0000 0600 0000 0000 0000 0000 8000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09d5 0003 0122 ffff ffff 002a 0168 0000
0000 0000 0000 02b1 0000 0001 0001 0000 0000 0000 005b 0000 0096 00f5 013f 00c5
0000 00be 0000 010d 008c 01a6 0000 0000 0000 0000 0000 0000 0000 022e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 03ff 0100 0000 0000 0000 0000 0100 0000 0000 0001 0001 0502
0001 0000 0000 0031 4245 3430 0000 0000 504d 4400 4255 5200 2020 2020 2020 2020
2020 0000 4f50 5437 3038 0000 0000 0032 3931 0000 0057 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:27.460	24	15.38	3014	265	2		70.69	164.39	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:27.780	Radar Report Msg	0b01 001c 003a 1934 11ac 2919 07b0 2f18 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	15.22	2995	263	1			70.78	163.94	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1934 11b2 28fc 079c 2ecc 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	40.22	3050	268	4			46.59	170.73	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1934 0ba6 2aaf 141c 2fa8 0204 0400 0005 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:27.880	591	N31F	2	0260	0260	1Y	+36	+72	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X	DISPLAY NM	DISPLAY Y	DISPLAY NM	PRED_AZIM AZI DEG	PREDICTED RANGE NM	SYSTEM ACP	SYSTEM DEG	SYSTEM RANGE NM	SPEED X NM	SPEED Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 ALTITUDE VALID: YES

-8.06 -3.46 247 8.76 2804 247 8.80 77.09 160.53 81 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: YES

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
26	+2029	+1900	+1868	+1830	-8	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:27.880	Active Track Maintenance Msg	1700 0058 0000 3930 0000 3f6a 0000 3a63 003a 182d fbf7 ffbe fbf8 fe45 0000 0000 029b 052e 0000 af4f 08ce 00b0 7fff 08c8 0006 1346 2822 05cd 024f 0000 0000 0100 081f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 00b0 008a 0104 ffff ffff 003d 000e 0000
0000 0000 0000 0000 0000 008a 008a 0000 0000 0000 0000 0000 00c9 0215 024f 015c
0000 00b1 0000 013a 00d7 00d5 0000 0000 0000 0000 0000 0000 0000 0448 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0004 2020 2fff 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0702
0001 0000 0000 0043 0000 0000 0000 0000 0000 0000 564e 5900 2020 2020 2020 2020
2020 0000 4e33 3146 0000 0000 0000 0000 0000 0000 0059 0000 0000 0020 564e 5900
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:27.880 545 N4171H 2 4706 4706 0 -155 -38 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-21.82 -5.53 255 22.49 2910 256 22.50 63.27 162.03 160 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
256 +4029 +3900 +3900 +3900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 79e0 0000 7dea 0000 79e0 003a 18a1 fbf7 0000 f517 fd3c 0000 0000

f4f1 fd4c 0000 b5e5 1681 09c6 7fff 1684 1d00 0fd1 2882 0b62 0221 0000 0000 19a2
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09c6 0000 0028 0028 0028 001e 003d 0000
0000 0000 0000 0000 0000 0001 0003 0000 0000 0000 0068 0000 00fa 0115 0221 0235
0000 0000 0000 00a7 0144 0075 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0100 0000 0100 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 21ff 0600 0000 0000 0000 0000 0100 0000 0000 0001 0000 0502
0001 0000 0000 0036 4d32 3050 0000 0000 5748 5000 4f58 5200 2020 2020 2020 2020
2020 0000 4e34 3137 3148 0000 0000 0034 3534 3234 3400 0000 0000 0020 4f58 5200
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: OVR
01:03:27.880 274 N8063T 2 4763 4763 1V +119 +33 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 3
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-18.40 -3.68 258 18.73 2943 259 18.78 67.06 162.95 124 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
74 +6329 +6200 +6250 +6280 +6 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 c441 0000 c5ca 0000 c350 003a 18c6 fbf7 0034 f6cd fe29 0000 0000
0881 0260 0000 b7f8 12c8 09f3 7fff 12c4 0001 10c4 28bd 08d4 0112 0000 0000 7a0d
031f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09f3 0005 0032 ffff 0032 002c 022a 0000
0000 0000 0000 018b 0000 0003 0015 0000 0000 0000 00ae 0000 0070 0245 0112 00cb
0000 002d 0000 0194 0133 0144 0000 0000 0000 0000 0000 0000 0000 042f ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 00ff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0036 5041 3332 0000 0000 4f58 5200 4844 4600 2020 2020 2020 2020
2020 0000 4e38 3036 3354 0000 0000 0030 3030 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:27.790	26	13.75	3119	274	4					72.84		166.25	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:27.980	Radar Report Msg	0b01 001c 003a 1a24 1236 2990 06e0 30bc 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	12.88	3143	276	2						73.84		166.41	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1a24 1276 299a 0670 311c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	13.28	3134	275	2			73.39		166.38	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1a24 1259 2998 06a4 30f8 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK	AIRCRAFT	SENSOR	----BEACON CODE---	CONTROLLER	VELOCITY	VELOCITY	LIVE/SIMULATED:
	NUMBER	ID/LINK	NUMBER	ASSIGNED	REPORTED	KEYBOARD	X KNOTS	Y KNOTS	ARR/DEP/OVERFLIGHT:
01:03:28.100	511		2			+0	+0		RADAR-ONLY: NO
									FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0
+19.61	-2.00	95	19.66	1090	96	19.71	104.22	154.91	113	VALID ALTITUDE: NO

INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	CST	CST	+0	+1529	+0	+0	00000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:28.100	Active Track Maintenance Msg	1700 0058 0000 2fca 0000 2fca 0000 0000 0000 0000 fbf7 0000 09ce ff00 0000 0000
		0000 0000 0000 4424 13b6 0a82 4424 13b6 0000 1a0e 26ba 0811 01ff 0001 0000 0000
		0000 3f00 0203 1000 0303 0000 0000 0001 0100 0000 0000 0001
01:03:28.100	Delete Track Msg	1704 0008 0099 0510

TRACKING DATA

TIME	TRACK	AIRCRAFT	SENSOR	----BEACON CODE---	CONTROLLER	VELOCITY	VELOCITY	LIVE/SIMULATED:
	NUMBER	ID/LINK	NUMBER	ASSIGNED	REPORTED	KEYBOARD	X KNOTS	Y KNOTS	ARR/DEP/OVERFLIGHT: ARR
01:03:28.100	475	N6887L	2	4714	4714	1W	+185	+11	RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-20.63 -1.62 265 20.68 3019 265 20.68 65.44 165.52 185 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
86 +4929 +4800 +4805 +4798 -1 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:28.100	Active Track Maintenance Msg	1700 0058 0000 95f5 0000 9a0a 0000 962a 003a 191e fbf7 fff6 f5b0 ff31 0000 0000 0d2c 00cd 0000 bcbc 14af 09cc 7fff 14b0 0001 105c 2961 0d33 01db 0000 0000 17f4 051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0004 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 2000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09cc 0003 0000 ffff 0032 0038 0253 0000
0000 0000 0000 00b2 0000 0003 0000 0000 0000 0000 00f2 0000 0014 0138 01db 00c3
0000 01ee 0000 0062 0054 01c9 0000 0000 0000 0000 0000 0000 0000 025c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 1dff 0600 0000 0000 0000 0000 0100 0000 0000 0001 0001 0502
0001 0000 0000 0036 4334 3231 0000 0000 4f58 5200 4343 4200 2020 2020 2020 2020
2020 0000 4e36 3838 374c 0000 0000 0037 3937 0000 0057 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:28.100 297 2 1056 -17 +104 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-41.01 -3.08 265 41.11 3024 266 41.12 45.34 169.28 106 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
350 +5529 +5400 +5361 +5425 +14 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 a989 0000 acca 0000 a788 003a 1920 fbf7 0070 eb7f fe76 0000 0000

fec0 0773 0001 bd0a 291f 022e 7fff 2920 22d0 0b56 2a52 078e 0129 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:28.100	87	CPF420	2	4664	4664	1X	+78	-63	ARR

RADAR-ONLY: NO
FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-5.49	+0.26	272	5.44	3102 273	5.50	80.56	163.48	100	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
129	+4629	+4500	+4533	+4588	+11	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 8f61 0000 90aa 0000 8daa 003a 197a fbf7 005f fd41 0021 0000 0000
		058c fb77 0000 c1e9 0581 09b4 7fff 0580 067c 1424 28df 072a 0057 0000 0000 0000
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09b4 0015 0032 0032 0032 003c 017c 0000
0000 0000 0000 0000 0000 0001 0026 0000 0000 0000 00ed 0000 01b0 009b 0057 0201
0000 016b 0000 0010 0184 0185 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2eff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 4332 3036 0000 0000 5748 5000 544f 4100 2020 2020 2020 2020
2020 0000 4350 4634 3230 0000 0000 0035 3634 0000 0058 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:28.100 9 2 1275 +0 +4 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-12.51 -10.99 228 16.61 2602 229 16.64 70.88 154.39 4 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
1 -470 -599 -599 -599 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 ffff ed41 ffff f14b ffff ed41 003a 1747 fbf7 0000 f9bf fa81 0000 0000

0003 0050 0000 a2a2 10a4 02bd 7fff 10a8 0000 11b8 2699 0050 0009 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:27.870	27	10.13	3245	285	4		77.11		166.83	4		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:28.100	Radar Report Msg	0b01 001c 003a 1a42 1347 29b5 0510 32b4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		13.91	3281	288	4		74.20		169.38	4		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1a42 128d 2a58 06f4 3344 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
14.09	3291	289	2				74.16	169.66	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1a42 128a 2a6a 070c 336c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.06	3328	293	5				81.95	164.73	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1a42 147d 292f 0288 3400 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.53	3345	294	5				80.03	166.44	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1a42 1402 299c 03c4 3444 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:28.200	491	2	1022			+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES

-1.63 -16.60 185 16.64 2111 186 16.68 79.97 146.20 187 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2429	+2300	+0	+2429	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:28.200	Active Track Maintenance Msg	1700 0058 0000 4bea 0000 4bea 0000 0000 0000 0000 fbf7 0000 ff30 f7b3 0000 0000 0000 0000 0000 83f9 10ae 0212 83f9 10ae 0000 13fe 248d 0d5e 01eb 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:28.200	362	2		0006	+341	-289			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
-29.78	+4.93	279	30.14	3178 279	30.15	58.34	174.14	447	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
130	+16729	+16600	+16606	+16349	-56	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:28.200	Active Track Maintenance Msg	1700 0058 0001 fee8 0002 0aca 0002 06f1 003a 19d0 fbf7 fe3e f11c 0277 0000 0000 184c eb6b ffff c6a1 1e26 0006 7fff 1e30 003a 0e96 2b89 1fd8 016a 0000 0000 203c 051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	9.72	3373	296	5			78.55	168.14	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:28.200	Radar Report Msg	0b01 001c 003a 1af6 13a3 2a09 04dc 34b4 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	7.03	3427	301	1			81.00	166.75	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1af6 1440 29b0 0384 358c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:28.430	84	N774CS	2	3376	3376	1W	+152	-146	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-23.29	+6.76	286	24.21	3256 286	24.24	65.02	174.27	212	INHIBIT MSAW PROCESS: YES

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
133	+10229	+10100	+10086	+10053	-7	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:28.430	Active Track Maintenance Msg	1700 0058 0001 3a2f 0001 3faa 0001 3b36 003a 1a27 fbf7 ffc8 f45b 0361 0000 0000
		0ae0 f58f 0000 cb84 183d 06fe 7fff 1840 05ac 1041 2b91 0f14 0054 0000 0000 0000
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 06fe 0003 012c ffff f830 0037 01ab 0000
		0000 0000 0000 00db 0000 0007 002e 0000 0000 0000 00a9 0000 0215 0249 0054 0250
		0000 0000 0000 005e 0091 014a 0000 0000 0000 0000 0000 0000 0000 03cb ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000
		0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2056 2eff 0000 0000 0000 0000 0000 0101 0003 0000 0001 0001 0502
		0001 0000 0000 0043 4332 3130 0000 0000 5341 3900 544f 4100 2020 2020 2020 2020
		2020 0000 4e37 3734 4353 0000 0000 0036 3032 0000 0057 0000 0000 0020 0000 004f
		4646 5620 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
01:03:28.430	Delete Track Msg	1704 0008 00a2 0910

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:28.430	194	DDA77	2	4043	4043	0	+396	-330	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4
-46.88	+20.95	294	51.34	3345 294	51.29	45.88	193.95	516	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
129	+21300	+21300	+21274	+21088	-32	+3	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:28.430 Active Track Maintenance Msg 1700 0058 0002 9304 0002 99a0 0002 98d6 003a 1a8c 0000 feff e890 0a79 0000 0000
1c37 e888 001d d11f 3349 0823 7fff 3358 0000 0b78 307d 24b4 00c2 0000 0000 001c
041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0823 0000 0136 ffff 0172 003f 0204 0000
0000 0000 0000 0001 0007 0007 0007 0000 0000 0000 00ab 0000 0148 0000 00c2 0000
0000 0000 0000 00c8 0155 0189 0000 0000 0000 0000 0000 0000 0000 023d ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0100 0000 0000 0000 0100 0000 0100 0000 0100 0000
0100 0000 0001 0000 0001 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0005 2000 2fff 0000 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0102
0001 0000 0000 0043 4c4a 3335 0000 0000 4649 4d00 564e 5900 2020 2020 2020 2020
2020 0000 4444 4137 3700 0000 0000 0033 3535 0000 0000 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

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TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:28.430 51 2 1331 -196 +279 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-23.34 +15.95 304 28.24 3463 304 28.29 67.55 182.88 341 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
324 +31000 +31000 +31000 +31000 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0003 c8c0 0003 c8c0 0003 c8c0 003a 1b0f 0000 0000 f454 07fa 0000 0000
f206 13e0 0000 d879 1c49 02d9 7fff 1c48 a014 10e3 2db8 184c 0033 0000 0000 be90
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:28.430 392 2 7304 -247 +257 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-24.33 +20.27 309 31.64 3525 310 31.65 67.53 187.47 357 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
316 +22200 +22200 +22221 +22376 +33 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0002 bb47 0002 b5c0 0002 b669 003a 1b55 0000 010e f3d6 0a23 0000 0000
ee61 124d 0000 dc51 1fa7 0ec4 7fff 1fac 0000 10e2 2ede 1968 0188 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:28.430	384		2	1200		+97	+62		RADAR-ONLY: NO

FIRMNESS: 33

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
-35.30	-1.90	267	35.30	3036 267	35.34	51.16	168.98	116	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
57	+5629	+5500	+5500	+5500	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 abe0 0000 afea 0000 abe0 003a 1930 fbf7 0000 ee59 ff0d 0000 0000
		06f8 0473 0000 bdc0 2356 0280 7fff 235c 1be0 0cca 2a3f 0844 0180 0000 0000 0000
		091f 2100 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR ALT STAT	SC	TYP	SYS
01:03:28.210	29	7.22	3427	301	4		80.88	166.89	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:28.440	Radar Report Msg	0b01 001c 003a 1b6e 1438 29b9 039c 358c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR ALT STAT	SC	TYP	SYS
		8.94	3516	309	4		80.56	168.92	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:28.460	Radar Report Msg	0b01 001c 003a 1bd2 1424 2a3b 0478 36f0 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR ALT STAT	SC	TYP	SYS
		1.63	3576	314	0		85.20	162.77	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1bd2 154d 28b1 00d0 37e0 0200 0000 0000 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X NM	SYSTEM Y NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	5.25	3673	323	2			83.86	166.45	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1bdc 14f7 299d 02a0 3964 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X NM	SYSTEM Y NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	4.75	3701	325	2			84.23	166.03	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:28.470	Radar Report Msg	0b01 001c 003a 1be6 150f 2982 0260 39d4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X NM	SYSTEM Y NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	5.09	3685	324	2			84.00	166.33	2		RT	2			

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1be6 1500 2995 028c 3994 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	5.00	3687	324	4		84.05	166.25	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1be6 1503 2990 0280 399c 0204 0400 0001 0303 1d00 0000
01:03:28.540	Delete Track Msg	1704 0008 0032 0810

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:03:28.320	30	23.03	3749	330	7		79.53	183.94	7		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:28.540	Radar Report Msg	0b01 001c 003a 1c40 13e2 2dfc 0b84 3a94 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	4.34	3816	335	2		85.08	165.80	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1c40 1545 2973 022c 3ba0 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK	AIRCRAFT	SENSOR	----BEACON CODE---	CONTROLLER	VELOCITY	VELOCITY	LIVE/SIMULATED:

NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:28.640 59 2 4603 +0 +0 RADAR-ONLY: NO
FIRMNESS: 63
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 0
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+54.61 +12.27 77 55.92 879 77 55.97 141.58 159.80 330 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
0 +22200 +22200 +0 +22200 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:28.640	Active Track Maintenance Msg	1700 0058 0002 b5c0 0002 b5c0 0000 0000 0000 0000 0000 0000 1b4e 0623 0000 0000 0000 0000 0000 36fe 37f8 0983 36fe 37f8 0000 2365 27f3 1780 003b 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.03	3838	337	2			85.11		166.55		2		RT	2				

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:28.650	Radar Report Msg	0b01 001c 003a 1cb8 1547 29a3 0284 3bf8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	7.78	3841	338	2					84.75	169.38	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1cb8 1530 2a58 03e4 3c04 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	34.53	3882	341	4					83.31	196.23	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1cb8 14d4 310f 1144 3ca8 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	6.59	3888	342	4					85.38	168.22	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1cb8 1558 2a0e 034c 3cc0 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS

01:03:28.530 31 5.06 4011 353 3 86.38 166.59 3 RT 2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:28.760	Radar Report Msg	0b01 001c 003a 1d12 1598 29a6 0288 3eac 0203 0300 0001 0203 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:28.860	56	2	4752	-131	+189				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-26.84	+20.88	308	33.98	3503 308	34.00	65.17	188.81	231	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
325	+12029	+11900	+11900	+11900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:28.860	Active Track Maintenance Msg	1700 0058 0001 73e0 0001 77ea 0001 73e0 003a 1b3c fbf7 0000 f295 0a70 0000 0000 f69f 0d7e 0000 daf8 2200 09ea 7fff 2200 003a 104b 2f34 106f 0038 0000 0000 0700 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:28.860	400	2	4675				-189	-41	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-40.13	+33.44	309	52.23	3524 310	52.22	55.52	204.34	193	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
257	+14029	+13900	+13900	+13900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 b260 0001 b66a 0001 b260 003a 1b55 fbf7 0000 ebf0 10b8 0000 0000 f28d fd0d 0000 dc4a 3439 09bd 7fff 343c 0039 0de1 3316 0dc5 0190 0000 0000 2883 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:28.860	322	N900RL	2	3601	3601	1F	-15	-259	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
-10.36	+13.39	322	16.89	3664 322	16.90	79.19	177.41	259	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
183	+7629	+7500	+7491	+7451	-8	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 e8da 0000 ee6a 0000 ea18 003a 1bf5 fbf7 ffbc fad2 06b2 0000 0000 feed ed8b 0000 e509 10e6 0781 7fff 10f0 0000 13cc 2c5a 127d 0142 0000 0000 0000 071f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0781 0001 0122 ffff 01c2 0037 01b6 0000
0000 0000 0000 0084 0000 0001 008a 0000 0000 0000 008f 0000 012b 00a5 0142 009b
0000 01c6 0000 01cb 000c 020d 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0100 0000 0000 0000 0000 0100 0003 0000 0001 0001 0702
0001 0000 0000 0031 474c 4634 0000 0000 504d 4400 5656 5600 2020 2020 2020 2020
2020 0000 4e39 3030 524c 0000 0000 0035 3736 0000 0046 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
END TIME START TIME TARGET REPORTS: LIVE SIMULATED VALID MODE-C: 0
01:03:28.670 01:03:24.120 RADAR-ONLY 107 0 0.0%
SENSOR = 2 BEACON-ONLY 0 0
RADAR & BEACON 0 0 VALID MODE-3/A: 0
TOTAL 107 0 0.0%

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:03:28.980 Sensor Sector Mark Msg 1715 000c 003a 1d9e 0000 0200

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: DEP
01:03:28.980 74 N40905 2 6701 6701 0 -68 +67 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 7
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES

-8.77 +15.26 330 17.58 3757 330 17.61 81.19 178.77 96 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
314	+9929	+9800	+9796	+9791	-1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:28.980	Active Track Maintenance Msg	1700 0058 0001 31ff 0001 364a 0001 3226 003a 1c59 fbf7 fff8 fb9d 07a1 0000 0000 fb22 04cc 0000 ead0 119d 0dc1 7fff 119c 0003 144c 2cb1 06d6 004a 0000 0000 fbe8 071f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0dc1 0000 0064 0064 0064 058a 0094 0000
0000 0000 0000 0000 0000 0058 0005 0000 0000 0000 029c 0000 01cc 012f 004a 01c6
0000 0213 0000 0001 0134 005a 0000 0000 0000 0000 0000 0000 0000 00dc ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 9900 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
0001 0000 0000 0043 5032 3852 0000 0000 4d59 4600 4c48 5300 2020 2020 2020 2020
2020 0000 4e34 3039 3035 0000 0000 0035 3837 0000 0000 0000 0000 0020 0000 0056
3539 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: DEP
01:03:28.980 358 DSO92 2 7303 7303 0 +20 +310 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 8
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-2.30 +11.77 349 11.96 3969 349 11.98 86.53 173.56 311 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
3 +15629 +15500 +15541 +15623 +17 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 e83e 0001 e86a 0001 e5a9 003a 1d4a fbf7 008f fed9 05e3 0000 0000

0173 161d 0000 f816 0bfa 0ec3 7fff 0c00 24b4 15a2 2b64 162a 0166 0000 0000 0303
081f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0200 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0ec3 0000 0172 0172 0172 003c 010c 0000
0000 0000 0000 0000 0000 0005 0005 0000 0000 0000 00c9 0000 016c 002d 0166 0154
0000 000a 0000 01cd 0187 0113 0000 0000 0000 0000 0000 0000 0000 01ef ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0005 2000 af00 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
0001 0000 0000 0043 4639 3030 0000 0000 564e 5900 504d 4400 2020 2020 2020 2020
2020 0000 4453 4f39 3200 0000 0000 0032 3133 0000 0000 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:28.770	1	8.63	3977	350	2		86.39		170.28	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:28.990	Radar Report Msg	0b01 001c 003a 1d94 1599 2a92 0450 3e24 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.59	3994	351	1			86.81		172.25	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1d94 15b4 2b10 054c 3e68 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	11.09	4051	356	1			87.81		172.61	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1d94 15f4 2b27 058c 3f4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	8.84	23	2	2			88.27		170.16	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:28.990 Radar Report Msg 0b01 001c 003a 1e02 1611 2a8a 046c 005c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	9.06	73	6	6			88.98	170.14	6			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:28.990	Radar Report Msg	0b01 001c 003a 1e0c 163f 2a89 0488 0124 0206 0600 0003 0202 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	5.84	26	2	2			87.41	167.20	2			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1e0c 15da 29cd 02ec 0068 0202 0200 0001 0103 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.34	196	17	1			91.17	170.50	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1e66 16cb 2aa0 052c 0310 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:28.980	2	6.56	198	17	5		89.16	167.22	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:29.200	Radar Report Msg	0b01 001c 003a 1ed4 164a 29ce 0348 0318 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	9.78	179	16	6			90.66	170.14	6			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 1ed4 16aa 2a89 04e4 02cc 0206 0600 0003 0202 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	17.59	266	23	3			96.58	175.61	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 1ed4 1825 2be7 08cc 0428 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:29.520	532	EJA631	2	4757	0		-279	-153	RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0
+9.90	+29.38	18	30.99	211 19	31.00	102.80	187.67	0	VALID ALTITUDE: NO

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
241	CST	CST	+0	+0	+0	+0	00000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:29.520	Active Track Maintenance Msg	1700 0058 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 04f3 0eb0 0000 0000 ec17 f50d 0000 0d3e 1eff 09ef 0d3e 1eff 0000 19b3 2eeb 0001 0214 0001 0000 0000 0000 3f00 0201 1000 0000 0000 0000 0000 0100 0000 0000 0100

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000

	Radar Report Msg	0b01 001c 003a 1fc4 16ee 2966 039c 07a4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	7.38	515	45	1			92.00		165.42	1		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:29.550	Radar Report Msg	0b01 001c 003a 2028 1700 295b 03b0 080c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:29.640	451	2	7211		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+31.92	-23.33	126	39.49	1435 126	39.54	110.69	131.16	125	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+329	+200	+0	+329	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:29.640	Active Track Maintenance Msg	1700 0058 0000 0a4a 0000 0a4a 0000 0000 0000 0000 fbf7 0000 0ff6 f456 0000 0000 0000 0000 0000 59b6 2789 0e89 59b6 2789 0000 1bac 20ca 08ee 01c3 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:29.520	6	3.69	697	61	2		88.98	162.64	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:29.750	Radar Report Msg	0b01 001c 003a 20fa 163f 28a9 01d8 0ae4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		3.56	723	64	3		88.88	162.48	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 20fa 1638 289f 01c8 0b4c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.03	731	64	7		89.39		162.53		7		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 20fa 1659 28a2 0204 0b6c 0207 0700 0003 0302 1d00 0000
01:03:29.860	Delete Flight Data Msg	1809 0008 00b8 0300

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:29.960	460	2	4757		-259	-159			RADAR-ONLY: NO

FIRMNESS: 24

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+9.23	+29.14	17	30.54	201 18	30.57	102.08	187.61	303	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
238	+14029	+13900	+13900	+13900	+0	+0	01111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:29.960	Active Track Maintenance Msg	1700 0058 0001 b260 0001 b66a 0001 b260 003a 1e7f fbf7 0000 049e 0e92 0000 0000
		ed94 f4b1 0000 0c9e 1e93 09ef 0c80 1e94 0039 1985 2ee7 159e 01cc 0000 0000 0000
		060f 1800 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:29.640	7	3.91	776	68	2		89.30	162.27	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 2186 1653 2891 01f4 0c20 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.31	862	76	2			89.77	161.80	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 2186 1671 2873 0228 0d78 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	3.97	907	80	3		89.38	161.55		3			RT	2						

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 2186 1658 2863 01fc 0e2c 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:30.080	311	2	3275		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+26.74	-23.95	131	35.85	1500 132	35.90	105.52	131.88	234	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:30.080	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0d5f f406 0000 0000
		0000 0000 0000 5dc2 23e6 06bd 5dc2 23e6 0000 1a61 20f8 10a5 0137 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:29.880	9	5.28	974	86	4		90.70	160.92	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:30.090	Radar Report Msg	0b01 001c 003a 2244 16ad 283b 02a4 0f38 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	29.31	1114	98	7			112.77	150.56	7			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:30.090	Radar Report Msg	0b01 001c 003a 2258 1c31 25a4 0ea8 1168 0207 0700 0003 0302 1d00 0000
01:03:30.180	Delete Track Msg	1704 0008 01c3 0910

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:30.180	6	2	1274	+3	+6				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+37.57	+17.84	64	41.57	734 65	41.59	126.64	169.53	7	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
29	-770	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:30.180	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e7eb ffff e3e1 003a 20d8 fbf7 0000 12c9 08ec 0000 0000 0046 007d 0000 2de9 2998 02bc 2df0 2998 5858 1fa9 2a62 008f 0006 0000 0000 0510 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001
01:03:30.180	Delete Track Msg	1704 0008 0214 0210
01:03:30.180	Delete Track Msg	1704 0008 00ec 0510

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	X	SYSTEM NM	Y	PROC NM	STR STAT	SC	TYP	SYS
01:03:29.980	10	2.94	1123	99	0				88.02		160.86		0		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:30.190	Radar Report Msg	0b01 001c 003a 22bc 1601 2837 0178 118c 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	X	SYSTEM NM	Y	PROC NM	STR STAT	SC	TYP	SYS
		2.91	1146	101	0				87.94		160.80		0		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 22bc 15fc 2833 0174 11e8 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	X	SYSTEM NM	Y	PROC NM	STR STAT	SC	TYP	SYS
		8.44	1131	99	4				93.33		158.44		4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 22bc 1755 279c 0438 11ac 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:30.300	523	2	0646		-235	-91			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+43.38	-0.13	90	43.38	1026 90	43.35	127.63	150.69	252	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
248	+13329	+13200	+13206	+13145	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:30.300	Active Track Maintenance Msg	1700 0058 0001 9acc 0001 a08a 0001 9cb4 003a 2220 fbf7 ff97 15b0 fff0 0000 0000 ef46 f987 0000 402e 2b59 01a6 4020 2b60 2a54 1fe8 25ac 11f0 020b 0000 0000 21e0 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:30.300	101	2	3507	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+23.96	-29.77	141	38.18	1606 141	38.21	101.34	126.97	223	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:30.300	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0bfb f11e 0000 0000 0000 0000 0000 6462 2636 0747 6462 2636 0000 1956 1fbe 0fdd 0065 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:30.300	245	2	5266	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+46.90	-4.83	95	47.12	1090 96	47.14	129.88	145.22	158	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+4029	+3900	+0	+4029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 7dea 0000 7dea 0000 0000 0000 0000 fbf7 0000 1773 fd96 0000 0000
0000 0000 0000 442e 2f25 0ab6 442e 2f25 0000 2078 244e 0b43 00f5 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	40.22	1155	102	4			121.80	144.06	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:30.400	Radar Report Msg	0b01 001c 003a 2384 1e73 2404 141c 120c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	50.53	1178	104	5			130.23	137.91	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 2384 208f 227a 1944 1268 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	7.59	1167	103	4			92.36		158.42	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 2384 1717 279b 03cc 123c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	3.28	1235	109	1			88.16		160.27	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 2384 160a 2811 01a4 134c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	7.31	1153	101	5			92.17		158.70	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 2384 170b 27ad 03a8 1204 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	7.47	1177	103	2			92.19		158.39	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 2384 170c 2799 03bc 1264 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.34	1233	108	3				90.91	158.48	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 2384 16ba 279f 032c 1344 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
47.97	1245	109	5				125.42	134.92	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 2384 1f5b 21bb 17fc 1374 0205 0500 0005 0102 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
40.34	1253	110	5			118.83	138.80	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:30.430	Radar Report Msg	0b01 001c 003a 238e 1db5 22b3 142c 1394 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
20.66	1251	110	3			102.69	150.11	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 238e 19ac 2587 0a54 138c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.34	1291	113	1			91.39	157.41	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 238e 16d9 275a 03ac 142c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
49.03	1252	110	4			126.00	133.89	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 238e 1f80 2179 1884 1390 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
6.31	1259	111	3				90.73		158.30		3		RT		2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 238e 16af 2793 0328 13ac 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
10.09	1279	112	5				93.70		155.81		5		RT		2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 238e 176d 26f4 050c 13fc 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	21.22	1315	116	3		101.89	148.14	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 238e 1979 2509 0a9c 148c 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:30.630	527	2	4676		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+23.22	-27.96	140	36.30	1596 140	36.34	101.09	128.89	117	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2029	+1900	+0	+2029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:30.630	Active Track Maintenance Msg	1700 0058 0000 3f6a 0000 3f6a 0000 0000 0000 0000 fbf7 0000 0b9c f205 0000 0000 0000 0000 0000 63c3 2458 09be 63c3 2458 0000 1946 2039 0864 020f 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:30.630	519	2	1631		-162	-92			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
+53.35	-8.75	99	54.02	1129 99	54.05	135.11	139.81	186	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
240	+8029	+7900	+7900	+7900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:30.630	Active Track Maintenance Msg	1700 0058 0000 f6e5 0000 faea 0000 f6e4 003a 2295 fbf7 0000 1aad fba0 0000 0000
		f470 f974 0000 469e 360e 0399 46a0 3610 003a 21c7 22f4 0d49 0207 0000 0000 245a
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: DEP
01:03:30.630 394 N121NA 2 1320 1320 1X -116 +19 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+19.67 -3.22 99 19.88 1130 99 19.95 103.95 153.72 117 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
279 +5929 +5800 +5800 +5800 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 b540 0000 b94a 0000 b540 003a 2295 fbf7 0000 09d6 fe64 0000 0000
f7b9 0160 0000 46a1 13f3 02d0 46a0 13f0 003a 19fd 266e 0864 018a 0000 0000 0300
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 02d0 0015 003c 003c 003c 0000 023d 0000
0000 0000 0000 0000 0000 0024 0005 0000 0000 0000 02db 0000 001a 015e 018a 0099
018b 0027 0000 0113 0248 0168 0000 0000 0000 0000 0000 0000 0000 020e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 a4ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5041 3434 0000 0000 5241 4c00 5344 3800 2020 2020 2020 2020
2020 0000 4e31 3231 4e41 0000 0000 0036 3932 0000 0058 0000 0000 0020 0000 0046
3036 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:30.630	298	2		0771	-204	-83			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+30.17	-5.32	100	30.59	1137	100	30.64	113.56	149.03	221 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
247	+9929	+9800	+9764	+9704	-12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 2f46 0001 364a 0001 3125 003a 229e fbf7 ff99 0f16 fd57 0000 0000 f171 fa10 0000 471b 1ea4 01f9 4720 1ea4 158a 1c64 2542 0fb9 012a 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:30.630 3 2 +318 +391 RADAR-ONLY: NO
FIRMNESS: 35
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: NO
+35.70 +23.00 57 42.45 650 57 42.46 125.97 174.94 504 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
39 CST CST +24112 +24251 +29 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0002 f5de 0002 f120 0002 f187 003a 0eb6 0000 00e8 11d9 0b80 0000 0000
16aa 1bd1 fffd 28af 2a77 0e90 28d0 29dc a00f 1f7e 2bbc 23e1 0003 0000 0000 bb38
051f 2300 0203 1001 0303 0000 0000 0001 0100 0000 0000 0001

TARGET REPORTS
STIME SN RANGE ACP DEG QUA BEACON ALT COR SYSTEM SYSTEM PROC STR SC TYP SYS
NM ALT X NM Y NM STAT
01:03:30.430 12 10.50 1499 132 4 91.48 153.19 4 RT 2

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:03:30.650 Radar Report Msg 0b01 001c 003a 2474 16df 264c 0540 176c 0204 0400 0004 0101 1d00 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:30.740 389 2 1654 -187 -39 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 7

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
+44.01	-14.69	108	46.38	1234 109	46.31	124.56	136.45	191	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
258	+8329	+8200	+8200	+8063	-29	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:30.740	Active Track Maintenance Msg	1700 0058 0000 fbfe 0001 044a 0001 0042 003a 230a fbf7 ff14 1601 f8a8 0000 0000
		f2b3 fd38 0000 4d29 2e4f 03ac 4d20 2e64 0000 1f24 221d 0d96 0185 0000 0000 0000
		071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:30.740	339		2	2201	-220	-98			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
+50.23	-12.09	103	51.61	1180 104	51.62	131.25	137.38	241	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
246	+9029	+8900	+8903	+8909	+1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 166d 0001 1a2a 0001 163e 003a 22cb fbf7 000a 191e f9f4 0000 0000
		f04a f906 0000 49cb 339f 0481 49a0 33ac a00c 20d0 2258 1130 0153 0000 0000 025a
		071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:30.740	280		2	6737	+513	+111			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+50.66	-19.80	111	54.34	1267 111	54.38	129.58	129.91	525	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
77	+26600	+26600	+26645	+26779	+28	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0003 44d9 0003 3f40 0003 40aa 003a 232f 0000 00e7 1954 f61a 0000 0000
247e 07ec 0000 4f39 3660 0ddf 4f30 3664 0104 2065 207a 2557 0118 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:30.740	590	2	4624		-5	-109			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+34.06	-14.29	112	36.92	1283 113	36.93	115.06	139.36	109	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
183	+3029	+2900	+2900	+2906	+1	+0	11111

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CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 5ad4 0000 5eaa 0000 5aa4 003a 2341 fbf7 000a 1108 f8db 0000 0000
ff97 f83b 0000 503a 24ee 0994 5030 24f0 0000 1cc4 22d7 07c8 024e 0000 0000 0000
061f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:30.740 207 N8451R 2 4647 4647 1X -103 +20 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+7.35 -2.91 111 7.86 1270 112 7.91 92.09 157.19 105 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
281 +6029 +5900 +5901 +5900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 b867 0000 bc6a 0000 b868 003a 2332 fbf7 0000 03ad fe8b 0000 0000
f8a2 0171 0000 4f65 07e9 09a7 4f60 07e8 0000 1706 274c 0782 00cf 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09a7 0015 003c 003c 003c 0028 0068 0000
0000 0000 0000 0000 0000 0026 0001 0000 0000 0000 00b0 0000 0037 00e1 00cf 0041
0000 0044 0000 01bb 0036 00bd 0000 0000 0000 0000 0000 0000 0000 020c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102

0001 0000 0000 0043 5032 3841 0000 0000 504f 4300 5656 5600 2020 2020 2020 2020
2020 0000 4e38 3435 3152 0000 0000 0036 3633 0000 0058 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:03:30.520	13	4.25	1533	135	4		87.77	158.45	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:30.740	Radar Report Msg	0b01 001c 003a 24a6 15f1 279d 0220 17f4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	23.34	1569	138	5		96.47	141.16	5				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 24a6 181e 234a 0bac 1884 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	28.13	1610	142	7					97.08	136.14	7		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:30.750	Radar Report Msg	0b01 001c 003a 24d8 1845 2209 0e10 1928 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	26.84	1683	148	3					93.75	136.27	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 24d8 1770 2211 0d6c 1a4c 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:30.840	431		2	2734			-31	-130	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+32.95	-19.06	120	38.05	1365 120	38.04	112.77	135.03	134	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
193	+2129	+2000	+2003	+1943	-12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:30.840	Active Track Maintenance Msg	1700 0058 0000 3cbc 0000 428a 0000 3e9c 003a 239e fbf7 ff99 1079 f678 0000 0000 fdca f6ba 0000 555c 260b 05dc 5560 2610 5858 1c31 21c2 0989 01af 0000 0000 0034 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:30.840	55	2	7230		-251	-75			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+16.10	-10.68	123	19.26	1407	124	19.32	98.61	147.42	262 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
253	+4829	+4700	+4664	+4538	-27	+0	11111

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CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 8dd0 0000 96ea 0000 91c1 003a 23cb fbf7 ff27 080d faa9 0000 0000
ee1d fa99 0000 57f5 1351 0e98 57e0 1354 0507 18a7 24db 12af 0037 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:30.960 328 2 6655 +0 +0 RADAR-ONLY: NO
FIRMNESS: 63
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 0
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+20.49 -22.60 137 30.44 1567 138 30.51 99.83 134.77 175 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
0 +1729 +1600 +0 +1729 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:03:30.960 Active Track Maintenance Msg 1700 0058 0000 360a 0000 360a 0000 0000 0000 0000 fbf7 0000 0a3f f4b3 0000 0000
0000 0000 0000 61fe 1e82 0dad 61fe 1e82 0000 18f5 21b1 0c7a 0148 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:30.960 321 2 4665 +0 +0 RADAR-ONLY: NO
FIRMNESS: 63
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 0
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+40.23 -3.70 95 40.36 1083 95 40.39 123.72 148.02 192 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+3029	+2900	+0	+3029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 5eaa 0000 5eaa 0000 0000 0000 0000 fbf7 0000 141d fe27 0000 0000 0000 0000 0000 43bb 2865 09b5 43bb 2865 0000 1eee 2501 0db0 0141 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:31.070	561	2	4745	-152	+118				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+17.61	-18.16	136	25.23	1544 136	25.30	98.17	139.81	192	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
307	+6029	+5900	+5896	+5797	-21	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:31.070	Active Track Maintenance Msg	1700 0058 0000 b52b 0000 bc6a 0000 b846 003a 2469 fbf7 ff55 08ce f6ec 0000 0000
		f52b 086b 0000 608a 194e 09e5 60a0 194c 05f0 188b 22f4 0db8 0231 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:31.070	329	2	4657	-139	+176				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+25.08	-26.02	136	36.11	1548 136	36.15	103.39	130.31	224	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
321	+7029	+6900	+6900	+6900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 d7a0 0000 dbaa 0000 d7a0 003a 246b fbf7 0000 0c8a f2fe 0000 0000
f60d 0c87 0000 60c3 2426 09af 60c0 2424 0001 19d9 2094 0fff 0149 0000 0000 15d8
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:31.070	98	2	3253		+128	-149			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
+8.17	-9.77	140	12.69	1589 140	12.75	91.17	150.33	196	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
139	+5429	+5300	+5274	+5109	-35	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 9fad 0000 a9aa 0000 a4d7 003a 249f fbf7 fee5 0416 fb1e 0000 0000
091c f563 0001 6356 0cc0 06ab 63a0 0cbc 0000 16cb 2595 0dfc 0062 0000 0000 0000
081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:31.070 278 2 4613 +253 +63 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+16.04 -21.70 143 26.95 1633 144 26.99 95.75 136.80 261 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
76 +6029 +5900 +5917 +5922 +1 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 b913 0000 bc6a 0000 b8eb 003a 24cb fbf7 0009 0805 f527 0000 0000
120f 047f 0000 6611 1afe 098b 6610 1afc 0000 17f0 2233 129c 0116 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:31.070 406 2 4622 -150 -5 RADAR-ONLY: NO
FIRMNESS: 35
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+12.44 -21.95 150 25.21 1711 150 25.23 92.20 137.45 150 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
267	+4029	+3900	+3900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:31.070	Active Track Maintenance Msg	1700 0058 0000 79e0 0000 7dea 0000 79e0 003a 2524 fbf7 0000 0638 f506 0000 0000 f551 ff9a 0000 6afb 193c 0992 6b00 193c 0003 170d 225d 0ab1 0196 0000 0000 148e 0a1f 2300 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:31.070	7	2	1275		+5	+3			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+41.67	-14.40	109	44.04	1241 109	44.12	122.38	137.33	6	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
59	+0	+0	+0	+0	+0	00000	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 0000 0000 0000 0000 0000 003a 2312 0000 0000 14d6 f8cd 0000 0000 006a 003e 0000 4d9a 2c1f 02bd 4d90 2c18 1b3c 1e98 2255 007b 0007 0000 0000 0302 0000 2600 0203 1000 0300 0100 0000 0001 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:30.780	15	3.25	1682	148	4		86.61	159.14	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 25d2 15a7 27c9 01a0 1a48 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	3.97	1717	151	2		86.66	158.33	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 25d2 15aa 2795 01fc 1ad4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	18.72	1748	154	6			89.52		143.56		6		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 25d2 1661 23e4 095c 1b50 0206 0600 0004 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.03	1763	155	1			86.61		157.14		1		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 25d2 15a7 2749 0284 1b8c 0201 0100 0001 0000 1d00 0000

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TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	26.94	1748	154	6				91.19		135.50	6		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 25d2 16cc 21e0 0d78 1b50 0206 0600 0004 0302 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	4.09	1786	157	3				86.31		158.11	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 25d2 1594 2787 020c 1be8 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	22.81	1830	161	5				87.52		139.16	5		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 25d2 15e1 22ca 0b68 1c98 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	3.94	1859	163	3				85.88		158.25	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:31.090 Radar Report Msg 0b01 001c 003a 2618 1578 2790 01f8 1d0c 0203 0300 0001 0203 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:31.190	530	2	4643		-273	+186			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+23.67	-44.61	152	50.44	1729 152	50.49	97.28	112.78	331	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
304	+20000	+20000	+20000	+20000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:31.190	Active Track Maintenance Msg	1700 0058 0002 7100 0002 7100 0002 7100 003a 2538 0000 0000 0bd6 e9b2 0000 0000 ec8b 0d49 0000 6c19 327d 09a3 6c20 3280 a003 1852 1c32 178f 0212 0000 0000 003c 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:31.190	312	2		3220		-157	-42		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+6.88	-14.27	154	15.82	1756 154	15.84	88.80	146.30	163	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
255	+1729	+1600	+1574	+1441	-28	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 2d0e 0000 360a 0000 3134 003a 2554 fbf7 ff1b 0371 f8dd 0000 0000 f4c4 fd03 0000 6dc7 0fd8 0690 6db0 0fd8 1715 1633 2493 0ba0 0138 0000 0000 1274 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:30.960	16	5.31	1885	166	2		85.73	156.77	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:31.190	Radar Report Msg	0b01 001c 003a 2690 156f 2731 02a8 1d74 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	29.03	1866	164	3			86.39	132.86	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 2690 1599 2137 0e84 1d28 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	9.66	1890	166	7		85.63	152.31	7			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 2690 1568 2614 04d4 1d88 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	6.66	1891	166	1		85.66	155.38	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 2690 156a 26d8 0354 1d8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
4.22	1977	174	2			85.19	157.98	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:31.200	Radar Report Msg	0b01 001c 003a 269a 154c 277f 021c 1ee4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
4.41	1978	174	1			85.16	157.78	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 269a 154a 2772 0234 1ee8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
52.66	1988	175	4			77.11	109.94	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 269a 1347 1b7c 1a54 1f10 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
4.16	2003	176	1			85.05	158.08	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 269a 1543 2785 0214 1f4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	20.91	2043	180	3						80.61		141.64	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 269a 1427 2369 0a74 1fec 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
01:03:31.090	17	5.19	2078	183	4					84.30		157.13	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:31.290	Radar Report Msg	0b01 001c 003a 2708 1513 2748 0298 2078 0204 0400 0001 0303 1d00 0000

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:31.400	219	2	1060	-401	-148				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+2.95	-16.70	170	16.94	1934 170	16.95	84.45	145.91	428	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
249	+35000	+35000	+35000	+35000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:31.400	Active Track Maintenance Msg	1700 0058 0004 45c0 0004 45c0 0004 45c0 003a 261d 0000 0000 017a f7a7 0000 0000 e36d f56c 0000 78e1 10f3 0230 78e0 10f4 0000 151d 247a 1e78 00db 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:31.400	176	2	4772	+170	+46				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
+2.97	-10.67	164	11.02	1867 164	11.07	85.92	150.78	176	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
74	+4929	+4800	+4811	+4713	-21	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 934e 0000 9a0a 0000 965e 003a 25d6 fbf7 ff55 017c faaa 0000 0000
0c17 0347 0000 74b9 0b11 09fa 74f0 0b14 0000 157b 25b2 0c86 00b0 0000 0000 0000
071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:31.400	310	2	1051		+429	+101			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+3.72	-32.59	173	32.77	1975 174	32.81	81.09	129.56	441	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
76	+21100	+21100	+21097	+21263	+36	+0	11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 987a 0002 9360 0002 934b 003a 264a 0000 0120 01dc efb5 0000 0000
		1e90 0730 0000 7b79 20cf 0229 7b60 20cc 0039 1446 2064 1f65 0136 0000 0000 ee2c
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:31.180	18	31.47	2163	190	3			72.56		133.33	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:31.400	Radar Report Msg	0b01 001c 003a 2762 1224 2155 0fbc 21cc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		13.50	2218	195	4			79.13		150.19	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 2762 13c8 258c 06c0 22a8 0204 0400 0004 0101 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		4.44	2219	195	1			83.72		158.25	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 2762 14ee 2790 0238 22ac 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.34	2263	199	5			83.53	158.47	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 2762 14e2 279e 022c 235c 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:31.500	160	2	4645		+134	+313			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5
+1.77	-15.45	173	15.54	1977 174	15.59	83.56	146.55	340	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
23	+12229	+12100	+12077	+12374	+66	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:31.500	Active Track Maintenance Msg	1700 0058 0001 82b3 0001 7e2a 0001 796a 003a 264a fbf7 0214 00e2 f846 0000 0000
		098a 164a 0007 7b9e 0f98 09a5 7b60 0f90 118c 14e4 24a3 183e 00a0 0000 0000 0000
		051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:31.500	449	2	7242			-310	+149		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
+1.48	-34.61	177	34.59	2021 178	34.66	78.48	128.39	344	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
295	+32400	+32400	+32437	+32518	+17	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0003 f836 0003 f480 0003 f5ad 003a 267e 0000 008d 00be eeb2 0000 0000
		e9f3 0a99 0000 7e50 22a8 0ea2 7e40 22a4 0000 139f 2019 1877 01c1 0000 0000 0200
		081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:31.500	580	2	4614			-67	+48		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
+0.14	-18.58	179	18.56	2043 180	18.53	81.19	143.84	82	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
306	+4529	+4400	+4381	+4435	+11	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 8a99 0000 8d8a 0000 88ec 003a 2698 fbf7 005f 0012 f6b6 0000 0000 fb3c 0378 0001 7fbd 1288 098c 7fb0 1294 0000 144c 23f6 05e5 0244 0000 0000 0000 081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	5.38	2276	200	2			82.84	157.63	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:31.500	Radar Report Msg	0b01 001c 003a 27da 14b6 2768 02b0 2390 0202 0200 0001 0103 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.59	2301	202	5			83.17	158.39	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 27da 14cb 2799 024c 23f4 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:31.530	20	5.56	2531	222	1		81.30	158.95	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:31.760	Radar Report Msg	0b01 001c 003a 28d4 1453 27bd 02c8 278c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.56	2506	220	1			81.41	158.78	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 28d4 145a 27b2 02c8 2728 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.97	2581	227	4			80.70	159.09	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 28d4 142d 27c6 02fc 2854 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:31.840	49	2	6311		+366	-82			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
-12.67	-43.70	196	45.47	2229 196	45.51	62.42	122.84	375	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
102	+11429	+11300	+11305	+11172	-28	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:31.840	Active Track Maintenance Msg	1700 0058 0001 5d20 0001 652a 0001 6149 003a 276d fbf7 ff1a f9aa ea26 0000 0000
		1a11 fa20 0000 8b58 2d83 0cc9 7fff 2d80 0000 0f9b 1eb6 1ab9 0031 0000 0000 0000
		081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:32.060	379	2		6312	+285	+2			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-7.97	-12.49	212	14.75	2415 212	14.82	74.94	151.83	285	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
89	+9429	+9300	+9337	+9264	-16	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:32.060	Active Track Maintenance Msg	1700 0058 0001 2182 0001 26aa 0001 23cd 003a 283e fbf7 ff80 fc04 f9c1 0000 0000 1454 0036 0000 96f5 0ed1 0cca 7fff 0ed4 4052 12bc 25f5 1454 017b 0000 0000 003c 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:32.060	8	2		1273	+0	+0			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-37.78	-33.20	228	50.26	2602 229	50.30	40.80	139.36	0	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
225	-899	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:32.060 Active Track Maintenance Msg 1700 0058 ffff e3e1 ffff e3e1 ffff e3e1 003a 290d 0000 0000 ed1c ef66 0000 0000
fffc fffc 0000 a2a0 324d 02bb 7fff 324c 4071 0a33 22d7 0006 0008 0000 0000 000c
0a1f 2603 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:32.060	304	2	7342		-319	+153			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-26.67	-21.28	231	34.06	2632 231	34.11	55.00	148.23	354	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
295	+35000	+35000	+34999	+35000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 45c7 0004 45c0 0004 45bb 003a 2930 0000 0003 f2aa f55c 0000 0000
		e94e 0ae6 0000 a48c 221c 0ee2 7fff 2220 0000 0dc0 250f 192d 0130 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:31.780	22	20.53	2643	232	3			66.92		153.84	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:32.070	Radar Report Msg	0b01 001c 003a 29ba 10bb 2676 0a44 294c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		6.78	2636	232	4			79.73		159.20	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 29ba 13ef 27cd 0364 2930 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		8.03	2659	234	1			78.45		158.94	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 29ba 139d 27bc 0404 298c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
8.69	2666	234	1							77.80		158.78	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 29ba 1373 27b2 0458 29a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
10.31	2643	232	4							76.39		157.86	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 29ba 1319 2777 0528 294c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
7.22	2666	234	1							79.19		159.31	1		RT	2		

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 29ba 13cc 27d4 039c 29a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	9.66	2739	241	1					76.55	159.44	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 29ba 1323 27dc 04d4 2acc 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	15.75	2746	241	2					70.56	158.06	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:32.070	Radar Report Msg	0b01 001c 003a 2a00 11a4 2784 07e0 2ae8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	4.38	2714	239	2					81.88	160.66	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 2a00 1478 282a 0230 2a68 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS

27.66 2782 245 2 58.64 156.69 2 RT 2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 2a00 0ea9 272c 0dd4 2b78 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
30.09	2787	245	3			56.20	156.45	3			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 2a00 0e0d 271d 0f0c 2b8c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
2.00	2795	246	7			84.61	161.64	7			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 2a00 1527 2869 0100 2bac 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
12.00	2835	249	3						73.94	160.58	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 2a00 127c 2825 0600 2c4c 0203 0300 0001 0203 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:32.280	275	2	0257	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+35.89	+0.44	89	35.88	1016	89	35.89	120.58	153.13	89

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
0	+1829	+1700	+0	+1829	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:32.280	Active Track Maintenance Msg	1700 0058 0000 392a 0000 392a 0000 0000 0000 0000 fbf7 0000 11f2 0038 0000 0000
		0000 0000 0000 3f80 23e4 00af 3f80 23e4 0000 1e25 2648 0666 0113 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:03:32.280	Delete Track Msg	1704 0008 016d 0310

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:32.380 173 2 6307 +502 -222 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-15.48 -10.63 235 18.74 2680 236 18.80 68.81 155.77 549 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
114 +33000 +33000 +33000 +33000 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:32.380	Active Track Maintenance Msg	1700 0058 0004 0740 0004 0740 0004 0740 003a 2965 0000 0000 f842 fab0 0000 0000 23bc f026 0000 a787 12cc 0cc7 7fff 12c8 0000 1134 26f1 2717 00ad 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:32.380 586 2 4673 +319 +9 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 8
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-19.63 -12.13 238 23.07 2711 238 23.09 63.77 155.11 319 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
88 +10529 +10400 +10358 +10275 -17 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 411e 0001 490a 0001 43b0 003a 2987 fbf7 ff72 f62f f9ef 0000 0000
16b6 00a6 0000 a97c 1718 09bb 7fff 1714 0000 0ff1 26c7 16b8 024a 0000 0000 0000
081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:32.380 591 N31F 2 0260 0260 1Y +45 +70 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 9
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-8.00 -3.38 247 8.68 2811 247 8.71 77.17 160.61 84 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: YES
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
32 +2029 +1900 +1859 +1828 -6 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

01:03:32.380 Active Track Maintenance Msg 1700 0058 0000 3924 0000 3f6a 0000 3a1a 003a 29f8 fbf7 ffcc fc00 fe4f 0000 0000
0336 050c 0000 afb0 08b7 00b0 7fff 08b0 0000 134b 2827 05fb 024f 0000 0000 0000
091f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 00b0 008a 0104 ffff ffff 003d 000e 0000
0000 0000 0000 0000 0000 008a 008a 0000 0000 0000 0000 0000 00c9 0215 024f 015c
0000 00b1 0000 013a 00d7 00d5 0000 0000 0000 0000 0000 0000 0000 0448 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0004 2020 2fff 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0702
0001 0000 0000 0043 0000 0000 0000 0000 0000 0000 564e 5900 2020 2020 2020 2020
2020 0000 4e33 3146 0000 0000 0000 0000 0000 0000 0059 0000 0000 0020 564e 5900
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:32.380 319 OPT708 2 4725 4725 1W +120 +28 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-1.30 -0.69 241 1.43 2752 242 1.46 84.34 161.50 123 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
76 +1129 +1000 +981 +923 -12 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 1cd9 0000 234a 0000 1eaa 003a 29b9 fbf7 ff9c ff5a ffa8 0000 0000
0891 0204 0000 ac09 0176 09d5 7fff 0178 0000 1516 2860 08cd 013f 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0004 0000 0000 0000 0202 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0003
0000 0200 0000 0600 0000 0000 0000 0000 8000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09d5 0003 0122 ffff ffff 002a 0168 0000
0000 0000 0000 02b1 0000 0001 0001 0000 0000 0000 005b 0000 0096 00f5 013f 00c5
0000 00be 0000 010d 008c 01a6 0000 0000 0000 0000 0000 0000 0000 022e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 03ff 0100 0000 0000 0000 0000 0100 0000 0000 0001 0001 0502
0001 0000 0000 0031 4245 3430 0000 0000 504d 4400 4255 5200 2020 2020 2020 2020
2020 0000 4f50 5437 3038 0000 0000 0032 3931 0000 0057 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:32.380 545 N4171H 2 4706 4706 0 -158 -29 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-22.03 -5.55 256 22.68 2910 256 22.71 63.06 162.08 160 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
259 +4029 +3900 +3900 +3900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 79e0 0000 7dea 0000 79e0 003a 2a68 fbf7 0000 f4fc fd39 0000 0000
f4c1 fde6 0000 b5e3 16b7 09c6 7fff 16b8 0000 0fc4 2885 0b71 0221 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09c6 0000 0028 0028 0028 001e 003d 0000
		0000 0000 0000 0000 0000 0001 0003 0000 0000 0000 0068 0000 00fa 0115 0221 0235
		0000 0000 0000 00a7 0144 0075 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0100 0000 0100 0000
		0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 21ff 0600 0000 0000 0000 0000 0100 0000 0000 0001 0000 0502
		0001 0000 0000 0036 4d32 3050 0000 0000 5748 5000 4f58 5200 2020 2020 2020 2020
		2020 0000 4e34 3137 3148 0000 0000 0034 3534 3234 3400 0000 0000 0020 4f58 5200
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:32.170	24	13.69	3122	274	4		72.92		166.28	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:32.390	Radar Report Msg	0b01 001c 003a 2b5e 123b 2992 06d8 30c8 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: OVR
01:03:32.500	274	N8063T	2	4763	4763	1V	+119	+37	RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X	DISPLAY NM	DISPLAY Y	DISPLAY NM	PRED_AZIM AZI DEG	PREDICTED RANGE NM	SYSTEM ACP	SYSTEM DEG	SYSTEM RANGE NM	SPEED X	SPEED NM	SPEED Y	SPEED NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 ALTITUDE VALID: YES

-18.25 -3.63 258 18.61 2943 259 18.61 67.22 162.97 124 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
72	+6229	+6100	+6130	+6130	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:32.500	Active Track Maintenance Msg	1700 0058 0000 bf90 0000 c2aa 0000 bf90 003a 2a8e fbf7 0000 f6e0 fe30 0000 0000 087a 02a4 0000 b7fa 129d 09f3 7fff 129c 0001 10ce 28be 08e1 0112 0000 0000 f6c0 041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09f3 0005 0032 ffff 0032 002c 022a 0000
0000 0000 0000 018b 0000 0003 0015 0000 0000 0000 00ae 0000 0070 0245 0112 00cb
0000 002d 0000 0194 0133 0144 0000 0000 0000 0000 0000 0000 0000 042f ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 00ff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0036 5041 3332 0000 0000 4f58 5200 4844 4600 2020 2020 2020 2020
2020 0000 4e38 3036 3354 0000 0000 0030 3030 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:32.500 297 2 1056 -20 +101 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-41.03 -2.95 266 41.10 3026 266 41.14 45.36 169.41 103 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
348 +5529 +5400 +5416 +5477 +13 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 ab2d 0000 acca 0000 a940 003a 2ae9 fbf7 006b eb7c fe86 0000 0000

fe89 0733 0000 bd25 2924 022e 7fff 2924 04de 0b57 2a5a 0758 0129 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:32.210	25	13.31	3130	275	4		73.34	166.31	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:32.510	Radar Report Msg	0b01 001c 003a 2b72 1256 2994 06a8 30e8 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		13.75	3121	274	4		72.86	166.28	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 2b72 1237 2992 06e0 30c4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	12.97	3139	276	1			73.72	166.36	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 2b72 126e 2997 067c 310c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:32.600	511		2			+0	+0		RADAR-ONLY: NO
									FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+19.47	-2.04	95	19.54	1092	96	19.57	104.08	154.91	113 INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	CST	CST	+0	+1529	+0	+0	00000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:32.600	Active Track Maintenance Msg	1700 0058 0000 2fca 0000 2fca 0000 0000 0000 0000 fbf7 0000 09bc fefb 0000 0000 0000 0000 0000 4440 1393 0a82 4440 1393 0000 1a05 26ba 0811 01ff 0001 0000 0000 0000 3f00 0203 1000 0303 0000 0000 0001 0100 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:32.740	491		2	1022		+0	+0		RADAR-ONLY: NO
									FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
-1.87	-16.72	186	16.79	2120 186	16.82	79.70	146.16	192	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
0	+2529	+2400	+0	+2529	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:32.740	Active Track Maintenance Msg	1700 0058 0000 4f0a 0000 4f0a 0000 0000 0000 0000 fbf7 0000 ff11 f7a4 0000 0000
		0000 0000 0000 8488 10d2 0212 8488 10d2 0000 13ed 248a 0daa 01eb 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:32.740	475	N6887L	2	4714	4714	1W	+184	+16	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4
-20.39	-1.59	265	20.43	3020 265	20.45	65.66	165.48	185	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
85	+5029	+4900	+4883	+4883	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:32.740	Active Track Maintenance Msg	1700 0058 0000 9899 0000 9d2a 0000 9899 003a 2ae4 fbf7 0000 f5ce ff34 0000 0000 0d1c 0127 0000 bcc8 1472 09cc 7fff 1474 003a 106a 295f 0d29 01db 0000 0000 0100 041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0004 0000 0000 0000 0000 0000 0000 0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 2000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 09cc 0003 0000 ffff 0032 0038 0253 0000 0000 0000 0000 00b2 0000 0003 0000 0000 0000 0000 00f2 0000 0014 0138 01db 00c3 0000 01ee 0000 0062 0054 01c9 0000 0000 0000 0000 0000 0000 0000 025c ffff 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000 0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0006 2000 1dff 0600 0000 0000 0000 0000 0100 0000 0000 0001 0001 0502 0001 0000 0000 0036 4334 3231 0000 0000 4f58 5200 4343 4200 2020 2020 2020 2020 2020 0000 4e36 3838 374c 0000 0000 0037 3937 0000 0057 0000 0000 0020 0000 0000 0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE--- ASSIGNED	BEACON CODE--- REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:32.740	87	CPF420	2	4664	4664	1X	+77	-66	ARR

RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE
-5.39	+0.16	271	5.38	3093 272	5.40	80.64	163.36	102	

FIRMNESS: 10

VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
131	+4729	+4600	+4592	+4648	+12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 9140 0000 93ca 0000 8f82 003a 2b34 fbf7 0061 fd4e 0014 0000 0000 057d fb3e 0000 c15a 0566 09b4 7fff 0564 a007 1429 28d7 0743 0057 0000 0000 00ca 0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09b4 0015 0032 0032 0032 003c 017c 0000
0000 0000 0000 0000 0000 0001 0026 0000 0000 0000 00ed 0000 01b0 009b 0057 0201
0000 016b 0000 0010 0184 0185 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2eff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 4332 3036 0000 0000 5748 5000 544f 4100 2020 2020 2020 2020
2020 0000 4350 4634 3230 0000 0000 0035 3634 0000 0058 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:32.740 9 2 1275 -1 +3 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-12.51 -10.99 228 16.61 2602 229 16.64 70.88 154.39 3 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
337 -470 -599 -599 -599 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 ffff ed41 ffff f14b ffff ed41 003a 290d fbf7 0000 f9bf fa81 0000 0000

ffe6 003e 0000 a2a4 10a5 02bd 7fff 10a8 0000 11b8 2699 0043 0009 0000 0000 0310
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:32.740	361	2		1022	-151	-83			RADAR-ONLY: NO

FIRMNESS: 15

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-1.88	-16.66	186	16.73	2114 186	16.64	79.72	146.20	172	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
241	+2529	+2400	+2383	+2442	+12	+0	00011

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 4c57 0000 4f0a 0000 4a7b 003a 26f0 fbf7 0067 ff10 f7ab 0000 0000
		f53d fa17 0000 8420 10a4 0212 7fff 10c4 0000 13ee 248d 0c47 0169 0000 0000 0000
		0403 0f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:32.740	Delete Track Msg	1704 0008 00c5 0310

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:32.740	362	2	0006		+335	-292			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6
-29.37	+4.54	278	29.65	3172 279	29.67	58.64	173.66	445	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
131	+16529	+16400	+16380	+16141	-50	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:32.740	Active Track Maintenance Msg	1700 0058 0001 f86f 0002 048a 0001 ffe5 003a 2b8e fbf7 fe69 f151 0245 0000 0000
		17d8 eb30 0003 c640 1dac 0006 7fff 1db8 003a 0ea9 2b6a 1fa6 016a 0000 0000 0803
		061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM PROC	STR	SC	TYP	SYS
01:03:32.520	27	10.13	3258	286	1		77.20	167.00	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:32.740	Radar Report Msg	0b01 001c 003a 2c30 134d 29c0 0510 32e8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM PROC	STR	SC	TYP	SYS

	NM			ALT	X	NM	Y	NM	STAT		
	10.13	3235	284	1		77.03	166.69	1		RT	2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:32.740	Radar Report Msg	0b01 001c 003a 2ca8 1342 29ac 0510 328c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM			ALT	X	NM	Y	NM	STAT						
	14.09	3290	289	1		74.14	169.64	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 2ca8 1289 2a69 070c 3368 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM			ALT	X	NM	Y	NM	STAT						
	13.91	3284	289	4		74.23	169.44	4		RT	2				

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 2ca8 128f 2a5c 06f4 3350 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	7.50	3349	294	5					80.08	166.45	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 2ca8 1405 299d 03c0 3454 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	5.03	3326	292	5					81.97	164.70	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:32.750	Radar Report Msg	0b01 001c 003a 2cb2 147e 292d 0284 33f8 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	9.69	3370	296	7					78.55	168.09	7		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 2cb2 13a3 2a06 04d8 34a8 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS

4.44	3422	301	5		82.88	164.78	5		RT	2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 2cb2 14b8 2932 0238 3578 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
7.25	3425	301	4				80.83	166.89	4			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 2cb2 1435 29b9 03a0 3584 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
7.13	3448	303	2				81.11	166.97	2			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 2cb2 1447 29be 0390 35e0 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:32.950	84	N774CS	2	3376	3376	1W	+147	-152	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-23.11	+6.55	285	23.96	3252 286	24.00	65.14	174.03	212	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: YES

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
135	+10229	+10100	+10069	+10040	-6	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:32.950	Active Track Maintenance Msg	1700 0058 0001 39c1 0001 3faa 0001 3aae 003a 2be8 fbf7 ffce f472 0346 0000 0000
		0a82 f529 0000 cb4a 1801 06fe 7fff 1804 003a 1049 2b82 0f19 0054 0000 0000 0300
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 06fe 0003 012c ffff f830 0037 01ab 0000
		0000 0000 0000 00db 0000 0007 002e 0000 0000 0000 00a9 0000 0215 0249 0054 0250
		0000 0000 0000 005e 0091 014a 0000 0000 0000 0000 0000 0000 0000 03cb ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000
		0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2056 2eff 0000 0000 0000 0000 0000 0101 0003 0000 0001 0001 0502
		0001 0000 0000 0043 4332 3130 0000 0000 5341 3900 544f 4100 2020 2020 2020 2020
		2020 0000 4e37 3734 4353 0000 0000 0036 3032 0000 0057 0000 0000 0020 0000 004f

4646 5620 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 000f 0001 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

01:03:32.950	Delete Track Msg	1704 0008 00e5 0510

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:03:32.620	28	1.59	3589	315	0			85.23		162.77	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:32.950	Radar Report Msg	0b01 001c 003a 2d7a 154f 28b1 00cc 3814 0200 0000 0000 0103 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:33.170 194 DDA77 2 4043 4043 0 +388 -335 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-46.41 +20.49 293 50.68 3343 294 50.67 46.20 193.39 512 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
130 +20900 +20900 +20925 +20573 -84 -3 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:03:33.170 Active Track Maintenance Msg 1700 0058 0002 82ed 0002 8d20 0002 8de9 003a 2c4e 0000 fd5e e8cb 0a3f 0000 0000
1b9a e829 ffe5 d0fb 32ac 0823 7fff 32bc 0000 0b8d 3059 2478 00c2 0000 0000 0000
041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0823 0000 0136 ffff 0172 003f 0204 0000
0000 0000 0000 0001 0007 0007 0007 0000 0000 0000 00ab 0000 0148 0000 00c2 0000
0000 0000 0000 00c8 0155 0189 0000 0000 0000 0000 0000 0000 0000 023d ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0100 0000 0000 0000 0100 0000 0100 0000 0100 0000
0100 0000 0001 0000 0001 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0005 2000 2fff 0000 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0102
0001 0000 0000 0043 4c4a 3335 0000 0000 4649 4d00 564e 5900 2020 2020 2020 2020
2020 0000 4444 4137 3700 0000 0000 0033 3535 0000 0000 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:33.170 51 2 1331 -201 +274 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-23.61 +16.30 304 28.62 3466 305 28.70 67.38 183.28 340 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
323 +31000 +31000 +31000 +31000 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0003 c8c0 0003 c8c0 0003 c8c0 003a 2cd9 0000 0000 f432 0827 0000 0000
f1b1 1386 0000 d8ab 1cb2 02d9 7fff 1cb0 a00e 10d8 2dd2 1834 0033 0000 0000 3194
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:33.170	392		2	7304		-242	+264		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-24.61	+20.65	310	32.07	3526 310	32.12	67.34	187.91	358	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
317	+22400	+22400	+22385	+22543	+34	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 c079 0002 bc00 0002 bb89 003a 2d1d 0000 0113 f3b2 0a53 0000 0000
		eec7 12d3 0000 dc60 201e 0ec4 7fff 2020 2a54 10d6 2efa 1984 0188 0000 0000 2082
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:33.170	384		2	1200		+92	+72		RADAR-ONLY: NO

FIRMNESS: 34

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-35.19	-1.77	267	35.23	3037 267	35.22	51.31	169.06	117	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
52	+5629	+5500	+5500	+5500	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 abe0 0000 afea 0000 abe0 003a 2af8 fbf7 0000 ee68 ff1d 0000 0000
0698 052a 0000 bddf 2338 0280 7fff 233c 0000 0cd4 2a44 0861 0180 0000 0000 0000
0a1f 2200 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:32.860	29	5.38	3670	323	2		83.78	166.56	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:33.170	Radar Report Msg	0b01 001c 003a 2e06 14f2 29a4 02b0 3958 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		4.75	3701	325	2		84.23	166.03	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:33.180	Radar Report Msg	0b01 001c 003a 2e4c 150f 2982 0260 39d4 0202 0200 0001 0103 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.00	3683	324	4			84.03	166.23	4				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 2e4c 1502 298f 0280 398c 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:33.280	59	2	4603	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+54.32	+11.97	77	55.61	882 78	55.62	141.22	159.58	329	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+22100	+22100	+0	+22100	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:33.280	Active Track Maintenance Msg	1700 0058 0002 b2a0 0002 b2a0 0000 0000 0000 0000 0000 0000 1b29 05fc 0000 0000 0000 0000 0000 3729 379f 0983 3729 379f 0000 234e 27e5 1768 003b 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:33.280	56	2	4752	-130	+190				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10

X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-26.99 +21.13 308 34.23 3504 308 34.29 65.08 189.09 231 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
325	+12029	+11900	+11900	+11900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:33.280	Active Track Maintenance Msg	1700 0058 0001 73e0 0001 77ea 0001 73e0 003a 2d05 fbf7 0000 f281 0a90 0000 0000 f6b1 0d8a 0000 db0e 2249 09ea 7fff 2248 0000 1045 2f46 106e 0038 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:33.280	400		2	4675		-188	-56		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-40.44	+33.29	309	52.35	3522 310	52.39	55.17	204.27	197	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
253	+14029	+13900	+13900	+13900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 b260 0001 b66a 0001 b260 003a 2d17 fbf7 0000 ebc8 10a5 0000 0000
		f292 fbf6 0000 dc26 3463 09bd 7fff 3460 2403 0dcb 3311 0e06 0190 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:33.280	322	N900RL	2	3601	3601	1F	-19	-255	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
-10.40	+13.06	321	16.68	3657 321	16.66	79.06	177.09	256	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
184	+7529	+7400	+7427	+7379	-10	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 e698 0000 eb4a 0000 e81c 003a 2db1 fbf7 ffaa facd 0688 0000 0000
fe9a edd0 0000 e493 10a9 0781 7fff 10b4 2a54 13c4 2c46 123e 0142 0000 0000 201e
081f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0781 0001 0122 ffff 01c2 0037 01b6 0000
0000 0000 0000 0084 0000 0001 008a 0000 0000 0000 008f 0000 012b 00a5 0142 009b
0000 01c6 0000 01cb 000c 020d 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0100 0000 0000 0000 0000 0100 0003 0000 0001 0001 0702
0001 0000 0000 0031 474c 4634 0000 0000 504d 4400 5656 5600 2020 2020 2020 2020
2020 0000 4e39 3030 524c 0000 0000 0035 3736 0000 0046 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:32.950	30	7.81	3840	338	2		84.73	169.41	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:33.300	Radar Report Msg	0b01 001c 003a 2ece 152f 2a5a 03e8 3c00 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		1.41	3847	338	0		85.64	162.77	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 2ece 1569 28b1 00b4 3c1c 0200 0000 0000 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:33.170	31	6.56	3888	342	4		85.38	168.19	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:33.400	Radar Report Msg	0b01 001c 003a 2f3c 1558 2a0c 0348 3cc0 0204 0400 0001 0303 1d00 0000
01:03:33.500	Delete Track Msg	1704 0008 0090 0010
01:03:33.500	Delete Track Msg	1704 0008 00c9 0110

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE ASSIGNED	BEACON CODE REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:03:33.500	74	N40905	2	6701	6701	0	-68	+63	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 8
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-8.84 +15.34 330 17.66 3755 330 17.73 81.14 178.86 93 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
312 +9929 +9800 +9795 +9791 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:33.500	Active Track Maintenance Msg	1700 0058 0001 31ff 0001 364a 0001 321d 003a 2e1e fbf7 fffa fb94 07ab 0000 0000 fb1b 0489 0000 eab0 11ba 0dc1 7fff 11b4 0000 1449 2cb7 06ac 004a 0000 0000 dc18 081f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0dc1 0000 0064 0064 0064 058a 0094 0000
		0000 0000 0000 0000 0000 0058 0005 0000 0000 0000 029c 0000 01cc 012f 004a 01c6
		0000 0213 0000 0001 0134 005a 0000 0000 0000 0000 0000 0000 0000 00dc ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
		0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 9900 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
		0001 0000 0000 0043 5032 3852 0000 0000 4d59 4600 4c48 5300 2020 2020 2020 2020
		2020 0000 4e34 3039 3035 0000 0000 0035 3837 0000 0000 0000 0000 0020 0000 0056
		3539 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

END TIME	START TIME	TARGET REPORTS: LIVE	SIMULATED	VALID MODE-C:	0
01:03:33.280	01:03:28.670	RADAR-ONLY	105	0	0.0%
SENSOR = 2		BEACON-ONLY	0	0	
		RADAR & BEACON	0	0	VALID MODE-3/A: 0
		TOTAL	105	0	0.0%

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:33.500	Sensor Sector Mark Msg	1715 000c 003a 2fa0 0000 0200

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:33.280	0	8.63	3978	350	2		86.41		170.28	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:33.510 Radar Report Msg 0b01 001c 003a 2f96 159a 2a92 0450 3e28 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	11.09	4056	356	3					87.91			172.59	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 2f96 15fa 2b26 058c 3f60 0203 0300 0001 0203 1d00 0000
01:03:33.620	Delete Track Msg	1704 0008 0139 0310

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	8.84	22	2	2					88.27			170.16	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:33.620	Radar Report Msg	0b01 001c 003a 300e 1611 2a8a 046c 0058 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:03:33.720	358	DSO92	2	7303	7303	0	+24	+312	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9
-2.27	+12.17	349	12.33	3975 349	12.37	86.66	173.95	313	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
4	+15729	+15600	+15613	+15693	+17	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:33.720	Active Track Maintenance Msg	1700 0058 0001 ea6b 0001 eb8a 0001 e7ef 003a 2f17 fbf7 0089 fede 0616 0000 0000
		01c2 1640 0000 f873 0c5f 0ec3 7fff 0c64 0440 15aa 2b7d 1651 0166 0000 0000 0000
		091f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0200 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0ec3 0000 0172 0172 0172 003c 010c 0000
		0000 0000 0000 0000 0000 0005 0005 0000 0000 0000 00c9 0000 016c 002d 0166 0154
		0000 000a 0000 01cd 0187 0113 0000 0000 0000 0000 0000 0000 0000 01ef ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
		0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0005 2000 af00 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
		0001 0000 0000 0043 4639 3030 0000 0000 564e 5900 504d 4400 2020 2020 2020 2020
		2020 0000 4453 4f39 3200 0000 0000 0032 3133 0000 0000 0000 0000 0020 0000 0000
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:03:33.410	1	5.84	55	5	2			87.64		167.13	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:33.720	Radar Report Msg	0b01 001c 003a 302c 15e9 29c8 02ec 00dc 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
		9.09	65	6	2			88.89		170.22	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 302c 1639 2a8e 048c 0104 0202 0200 0001 0103 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	17.53	91	8	3			92.52	177.92	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 302c 1721 2c7b 08c4 016c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	51.22	100	9	4			106.20	208.75	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 302c 1a8d 3430 199c 0190 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:33.530	2	35.22	195	17	4		104.34	191.70	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:33.840	Radar Report Msg	0b01 001c 003a 3090 1a16 2fed 119c 030c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.34	229	20	5			91.61	170.22	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:33.840 Radar Report Msg 0b01 001c 003a 30f4 16e7 2a8e 052c 0394 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
10.34	202	18	3				91.25		170.45	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 30f4 16d0 2a9d 052c 0328 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
10.59	247	22	2				91.98		170.25	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 30f4 16ff 2a90 054c 03dc 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	17.59	270	24	5			96.66	175.55	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 30f4 182a 2be3 08cc 0438 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:34.160	451		2	7211		+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+31.91	-23.45	126	39.56	1437 126	39.59	110.64	131.05	122	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
0	+329	+200	+0	+329	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:34.160	Active Track Maintenance Msg	1700 0058 0000 0a4a 0000 0a4a 0000 0000 0000 0000 fbf7 0000 0ff4 f447 0000 0000 0000 0000 0000 59d1 2798 0e89 59d1 2798 0000 1ba9 20c3 08b9 01c3 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:34.160	460	EJA631	2	4757	4757	0	-260	-158	RADAR-ONLY: NO

FIRMNESS: 27

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
+8.92	+28.94	17	30.27	195	17	30.29	101.72	187.48	305	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
238	+14029	+13900	+13900	+13900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:34.160	Active Track Maintenance Msg	1700 0058 0001 b260 0001 b66a 0001 b260 003a 307b fbf7 0000 0476 0e78 0000 0000 ed75 f4c0 0000 0c33 1e49 09ef 0c30 1e48 a00f 196e 2edf 15b1 01cc 0000 0000 000c 071f 1b00 0201 1000 0303 0100 0000 0000 0000 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09ef 0000 0172 ffff ffff 003c 026d 0000
		0000 0000 0000 0001 0001 0001 0001 0000 0000 0000 009a 0000 003e 01bd 01cc 01a5
		0000 01e5 0000 01c8 005b 0124 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
		0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 2fff 0100 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0702
		0001 0000 0000 0031 4335 3658 0000 0000 504d 4400 564e 5900 2020 2020 2020 2020
		2020 0000 454a 4136 3331 0000 0000 0039 3135 0000 0000 0000 0000 0020 0000 0000
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT			
01:03:33.940	5	7.22	490	43	1				91.72	165.58	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:34.170	Radar Report Msg	0b01 001c 003a 31da 16ee 2965 039c 07a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT			
		7.22	467	41	1				91.58	165.78	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 322a 16e5 2972 039c 074c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	7.41	515	45	1		92.03	165.45	1				RT	2						

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 322a 1702 295d 03b4 080c 0201 0100 0001 0000 1d00 0000
01:03:34.380	Delete Track Msg	1704 0008 0221 0810

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:34.070	6	29.22	643	57	3		113.39	171.20	3			RT	2						

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:34.400	Radar Report Msg	0b01 001c 003a 32b6 1c59 2acd 0e9c 0a0c 0203 0300 0003 0003 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	3.69	693	61	4			88.97	162.66	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 32b6 163e 28aa 01d8 0ad4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:34.270	7	3.53	731	64	1		88.84	162.44	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:34.500	Radar Report Msg	0b01 001c 003a 3374 1636 289c 01c4 0b6c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.03	732	64	7			89.39	162.53	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3374 1659 28a2 0204 0b70 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	3.91	777	68	2			89.30	162.27	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 3374 1653 2891 01f4 0c24 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.28	973	86	4			90.72		160.94	4		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:34.500	Radar Report Msg	0b01 001c 003a 3388 16ae 283c 02a4 0f34 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:34.600	311	2	3275		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+26.89	-23.67	131	35.78	1494 131	35.82	105.73	132.11	235	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:34.600	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0d72 f42a 0000 0000 0000 0000 0000 5d68 23d3 06bd 5d68 23d3 0000 1a6f 2107 10c2 0137 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:34.720	6	2	1274		+5	+4			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+37.57	+17.84	64	41.57	734 65	41.61	126.64	169.53	7	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
46	-770	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:34.720 Active Track Maintenance Msg 1700 0058 ffff e3e1 ffff e7eb ffff e3e1 003a 32da fbf7 0000 12c9 08ec 0000 0000
005d 0058 0000 2de9 299b 02bc 2df0 2998 fbf7 1fa9 2a62 0080 0006 0000 0000 fa79
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001
01:03:34.820 Delete Track Msg 1704 0008 0157 0710

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:34.940	101	2	3507	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+24.05	-29.50	140	38.03	1602 141	38.06	101.50	127.20	222	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:34.940	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0c06 f140 0000 0000
		0000 0000 0000 6422 260f 0747 6422 260f 0000 1960 1fcd 0fcc 0065 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:34.940	527	2	4676		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+23.30	-27.83	140	36.25	1593 140	36.29	101.20	129.00	116	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2029	+1900	+0	+2029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 3f6a 0000 3f6a 0000 0000 0000 0000 fbf7 0000 0ba6 f216 0000 0000
		0000 0000 0000 639a 244a 09be 639a 244a 0000 194d 2040 0848 020f 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:34.730	10	2.91	1123	99	0		87.98	160.88	0		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:34.940	Radar Report Msg	0b01 001c 003a 3540 15ff 2838 0174 118c 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	8.19	1089	96	4			93.28	159.03	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3540 1752 27c2 0418 1104 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	36.97	1123	99	4			119.64	147.14	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3540 1de9 24c9 127c 118c 0204 0400 0005 0003 1d00 0000

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TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	29.31	1115	98	7			112.75		150.52	7		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3540 1c30 25a1 0ea8 116c 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	2.91	1147	101	0			87.94		160.80	0		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3540 15fc 2833 0174 11ec 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	7.56	1169	103	4			92.31		158.42	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:34.960	Radar Report Msg	0b01 001c 003a 354a 1714 279b 03c8 1244 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	7.94	1155	102	1			92.73		158.39	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 354a 172f 2799 03f8 120c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
7.50	1171	103	4							92.25		158.44	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 354a 1710 279c 03c0 124c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
40.28	1155	102	4							121.84		144.03	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3554 1e76 2402 1424 120c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	6.06	1177	103	2				90.92		159.08	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3554 16bb 27c5 0308 1264 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	5.91	1194	105	1				90.70		159.02	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3554 16ad 27c1 02f4 12a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	29.59	1235	109	3				110.45		145.63	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3554 1b9d 2468 0ecc 134c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	6.34	1232	108	3				90.91		158.48	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 3554 16ba 279f 032c 1340 0203 0300 0001 0203 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:35.040	523	2	0646		-233	-89			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+43.08	-0.26	90	43.06	1028 90	43.05	127.31	150.64	250	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
249	+13229	+13100	+13129	+13065	-14	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:35.040	Active Track Maintenance Msg	1700 0058 0001 9848 0001 9d6a 0001 9a4e 003a 3424 fbf7 ff90 158a ffdf 0000 0000
		ef5e f99e 0000 4043 2b0e 01a6 4040 2b14 0b01 1fd4 25a9 11d1 020b 0000 0000 0f5c
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:34.830	11	20.66	1242	109	1		102.86		150.34	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:35.050	Radar Report Msg	0b01 001c 003a 355e 19b7 2596 0a54 1368 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	20.53	1258	111	1			102.47		150.00	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 355e 199e 2580 0a44 13a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.16	1283	113	3			93.72		155.73	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 355e 176e 26ef 0514 140c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.34	1251	110	1			89.95		158.94	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg	0b01 001c 003a 3568 167d 27bc 02ac 138c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	7.34	1290	113	1			91.41		157.41		1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3568 16da 275a 03ac 1428 0201 0100 0001 0000 1d00 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:35.160 519 2 1631 -160 -95 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+53.16 -8.89 99 53.86 1131 99 53.87 134.89 139.73 186 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
239 +8029 +7900 +7900 +7900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:03:35.160 Active Track Maintenance Msg 1700 0058 0000 f6e3 0000 faea 0000 f6e3 003a 3499 fbf7 0000 1a94 fb8e 0000 0000
f493 f93a 0000 46bc 35df 0399 46c0 35e4 2a53 21b9 22ef 0d48 0207 0000 0000 fb2f
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: DEP
01:03:35.160 394 N121NA 2 1320 1320 1X -118 +10 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+19.52 -3.23 99 19.76 1129 99 19.79 103.80 153.75 119 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
275 +5929 +5800 +5800 +5800 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 b540 0000 b94a 0000 b540 003a 3498 fbf7 0000 09c2 fe62 0000 0000
f78c 00c6 0000 469f 13cb 02d0 46b0 13c8 0001 19f3 2670 087d 018a 0000 0000 8d20
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 02d0 0015 003c 003c 003c 0000 023d 0000
0000 0000 0000 0000 0000 0024 0005 0000 0000 0000 02db 0000 001a 015e 018a 0099
018b 0027 0000 0113 0248 0168 0000 0000 0000 0000 0000 0000 0000 020e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 a4ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5041 3434 0000 0000 5241 4c00 5344 3800 2020 2020 2020 2020
2020 0000 4e31 3231 4e41 0000 0000 0036 3932 0000 0058 0000 0000 0020 0000 0046
3036 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:35.160 3 2 +318 +391 RADAR-ONLY: NO
FIRMNESS: 33
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 3
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: NO
+36.11 +23.49 57 43.01 647 57 43.08 126.48 175.36 504 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
39 CST CST +24251 +24385 +29 +0 11110

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0002 fa0a 0002 f120 0002 f5de 003a 0eb6 0000 00e8 120e 0bbf 0000 0000
16aa 1bd1 0000 287e 2b14 0e90 28d0 29dc 0001 1f9f 2bd7 23e1 0003 0000 0000 0100
031e 2100 0203 1001 0303 0000 0000 0001 0100 0000 0000 0101

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:35.160 245 2 5266 +0 +0 RADAR-ONLY: NO
FIRMNESS: 63
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 0
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+46.81 -5.02 96 47.08 1093 96 47.08 129.75 145.06 158 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
0 +4029 +3900 +0 +4029 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

01:03:35.160 Active Track Maintenance Msg 1700 0058 0000 7dea 0000 7dea 0000 0000 0000 0000 fbf7 0000 1768 fd7e 0000 0000
0000 0000 0000 4459 2f14 0ab6 4459 2f14 0000 2070 2444 0b4a 00f5 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	46.91	1340	118	7		120.34		130.20		7		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:35.270	Radar Report Msg	0b01 001c 003a 3630 1e16 208d 1774 14f0 0207 0700 0005 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	35.47	1438	126	5		108.03		134.27		5		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3630 1b02 2191 11bc 1678 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	10.50	1491	131	3			91.61	153.25	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:35.280	Radar Report Msg	0b01 001c 003a 363a 16e7 2650 0540 174c 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:35.390	339	2	2201		-216	-96			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
+49.98	-12.27	103	51.42	1181 104	51.37	130.95	137.27	237	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
246	+9029	+8900	+8905	+8909	+1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:35.390	Active Track Maintenance Msg	1700 0058 0001 166e 0001 1a2a 0001 1649 003a 34d0 fbf7 0008 18fe f9de 0000 0000
		f095 f92c 0000 49df 335f 0481 49d0 3378 3d90 20bd 2251 10dc 0153 0000 0000 0000
		081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:35.390	298	2	0771		-204	-82			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
+29.91	-5.42	100	30.35	1141 100	30.40	113.28	149.00	220	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
248	+9829	+9700	+9703	+9642	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 2d56 0001 332a 0001 2f39 003a 34a3 fbf7 ff98 0ef5 fd4a 0000 0000
		f170 fa20 0000 4751 1e67 01f9 4750 1e68 3ec0 1c52 2540 0fb3 012a 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:35.390	389	2	1654	-184	-21				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
+43.81	-14.62	108	46.17	1236 109	46.13	124.39	136.56	185	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
263	+8129	+8000	+8034	+7886	-32	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 f676 0000 fe0a 0000 fb11 003a 350c fbf7 fefe 15e8 f8b1 0000 0000
		f2e5 fe7f 0000 4d42 2e20 03ac 4d20 2e30 40a0 1f19 2224 0d31 0185 0000 0000 0000
		081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:35.390	280	2	6737	+513	+129				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+51.38	-19.55	110	54.95	1262 111	54.94	130.33	129.97	529	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
76	+26800	+26800	+26786	+26923	+29	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0003 495b 0003 4580 0003 4517 003a 352a 0000 00ed 19b0 f63a 0000 0000
2486 092d 0000 4eef 36f0 0ddf 4ed0 36f8 44d0 2095 207e 25a9 0118 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:35.390	590	2	4624	-5	-105				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
+34.05	-14.34	112	36.89	1285	113	36.99	115.05	139.30	105 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
182	+3029	+2900	+2903	+2907	+1	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 5ade 0000 5eaa 0000 5ab9 003a 3544 fbf7 0008 1107 f8d4 0000 0000
ffa0 f87e 0000 505c 24fd 0994 5040 24f4 a012 1cc3 22d3 0784 024e 0000 0000 0000
071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:35.390 207 N8451R 2 4647 4647 1X -102 +20 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+7.23 -2.88 111 7.74 1272 112 7.77 91.98 157.23 104 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
281 +6029 +5900 +5900 +5900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 b862 0000 bc6a 0000 b864 003a 3537 fbf7 0000 039d fe8f 0000 0000
f8ae 0170 0000 4f83 07c6 09a7 4f80 07c8 1715 16ff 274f 0776 00cf 0000 0000 0bf4
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09a7 0015 003c 003c 003c 0028 0068 0000
0000 0000 0000 0000 0000 0026 0001 0000 0000 0000 00b0 0000 0037 00e1 00cf 0041
0000 0044 0000 01bb 0036 00bd 0000 0000 0000 0000 0000 0000 0000 020c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102

0001 0000 0000 0043 5032 3841 0000 0000 504f 4300 5656 5600 2020 2020 2020 2020
2020 0000 4e38 3435 3152 0000 0000 0036 3633 0000 0058 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:35.170	13	10.19	1530	134	3			90.92	153.19	3			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:35.400	Radar Report Msg	0b01 001c 003a 3716 16bb 264c 0518 17e8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	28.16	1610	142	7				97.11	136.11	7			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3716 1847 2207 0e14 1928 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT			
23.38	1570	138	7				96.47		141.11	7		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3716 181e 2347 0bb0 1888 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT			
3.25	1690	149	7				86.58		159.13	7		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3716 15a5 27c8 01a0 1a68 0207 0700 0003 0302 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS
01:03:35.490	55	2	7230		-248	-84		

LIVE/SIMULATED:
ARR/DEP/OVERFLIGHT:
RADAR-ONLY: NO
FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS
+15.77	-10.81	124	19.10	1415 124	19.11	98.28	147.38	262

ALTITUDE FIRMNESS: 10
VALID ALTITUDE: YES
INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	SLID WINDOW
251	+4629	+4500	+4524	+4394	-28	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:35.490	Active Track Maintenance Msg	1700 0058 0000 8955 0000 90aa 0000 8d64 003a 35d9 fbf7 ff1f 07e3 fa98 0000 0000
		ee4e f9ff 0000 5878 131b 0e98 5880 1320 0000 1892 24d8 12b0 0037 0000 0000 99a0
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:35.490	431	2	2734	-32	-131				RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
+32.90	-19.23	120	38.06	1368 120	38.11	112.72	134.89	135	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
193	+2029	+1900	+1928	+1864	-13	+0	11111

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CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 3a46 0000 3f6a 0000 3c44 003a 35a4 fbf7 ff92 1073 f662 0000 0000
fdb4 f6ad 0000 5589 261b 05dc 5590 261c a013 1c2e 21b9 099a 01af 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:35.490 329 2 4657 -135 +180 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+24.92 -25.77 136 35.80 1547 136 35.86 103.34 130.59 225 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
323 +7029 +6900 +6900 +6900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 d7a0 0000 dbaa 0000 d7a0 003a 366c fbf7 0000 0c76 f31d 0000 0000
f663 0cd2 0000 60b9 23dc 09af 60b0 23dc 3c03 19d6 20a6 1006 0149 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:35.490 561 2 4745 -150 +121 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+17.44 -17.97 135 25.02 1546 136 25.05 98.08 140.03 193 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
309	+5929	+5800	+5798	+5699	-21	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 b219 0000 b94a 0000 b532 003a 366b fbf7 ff55 08b8 f704 0000 0000 f54d 08ac 0000 60a6 190e 09e5 60a0 190c 0b01 1885 2302 0dc5 0231 0000 0000 3b4c 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:35.490	321	2	4665		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+40.45	-3.67	95	40.60	1083 95	40.61	123.94	147.98	186	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+3029	+2900	+0	+3029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:35.490	Active Track Maintenance Msg	1700 0058 0000 5eaa 0000 5eaa 0000 0000 0000 0000 fbf7 0000 1439 fe2a 0000 0000 0000 0000 0000 43b0 289c 09b5 43b0 289c 0000 1efc 24ff 0d4c 0141 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:35.610	328	2	6655		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+20.30	-22.51	138	30.27	1569 138	30.31	99.67	134.91	171	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1629	+1500	+0	+1629	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:35.610 Active Track Maintenance Msg 1700 0058 0000 32ea 0000 32ea 0000 0000 0000 0000 fbf7 0000 0a27 f4bf 0000 0000
0000 0000 0000 6218 1e50 0dad 6218 1e50 0000 18eb 21ba 0c2a 0148 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:35.390	15	3.97	1719	151	2		86.66		158.31	2			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:35.610	Radar Report Msg	0b01 001c 003a 37d4 15aa 2794 01fc 1adc 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		5.13	1720	151	5		86.95		157.11	5			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 37d4 15bd 2747 0290 1ae0 0205 0500 0003 0102 1d00 0000

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TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	5.03	1763	155	1				86.63		157.14	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 37d4 15a8 2749 0284 1b8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	4.09	1787	157	1				86.31		158.11	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:35.620	Radar Report Msg	0b01 001c 003a 37de 1594 2787 020c 1bec 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	22.84	1827	161	3				87.66		139.13	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 37de 15ea 22c8 0b6c 1c8c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	4.09	1811	159	3				86.17		158.08	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

	Radar Report Msg	0b01 001c 003a 37de 158b 2785 020c 1c4c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	29.72	1875	165	3			86.03		132.16		3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 37de 1582 210a 0edc 1d4c 0203 0300 0003 0003 1d00 0000
01:03:35.710	Delete Track Msg	1704 0008 01ae 0110

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:35.710	278	2	4613		+253	+75			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+16.41	-21.58	142	27.07	1625 143	27.12	96.19	136.83	264	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
73	+6029	+5900	+5914	+5917	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:35.710	Active Track Maintenance Msg	1700 0058 0000 b8ef 0000 bc6a 0000 b8d5 003a 36c3 fbf7 0006 0835 f536 0000 0000 120b 055a 0000 6599 1b1e 098b 6580 1b1c 0157 180c 2235 12d2 0116 0000 0000 25fc 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:35.710	98	2	3253		+112	-158			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: YES
+8.30	-9.95	140	12.91	1592 140	13.00	91.28	150.11	194	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
144	+5329	+5200	+5150	+4997	-32	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 9c2f 0000 a68a 0000 a0f0 003a 36a2 fbf7 fefc 0427 fb06 0000 0000
0809 f4c2 0001 638a 0d00 06ab 63b0 0cf8 0b01 16d2 2587 0dd2 0062 0000 0000 0d8c
031f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:35.710	7	2	1275		+2	+8			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+41.67	-14.41	109	44.04	1241 109	44.11	122.41	137.36	9	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
17	+0	+0	+0	+0	+0		00000

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 0000 0000 0000 0000 0000 003a 3514 0000 0000 14d6 f8cc 0000 0000 0030 009d 0000 4d94 2c1d 02bd 4d90 2c18 0000 1e9a 2257 00a4 0007 0000 0000 2391 0000 2600 0203 1000 0300 0100 0000 0001 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.69	1886	166	4				85.72	155.33	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:35.830	Radar Report Msg	0b01 001c 003a 384c 156e 26d5 0358 1d78 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
18.13	1908	168	3				85.02	143.80	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 384c 1541 23f3 0910 1dd0 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
4.09	1854	163	2				85.92	158.06	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 384c 157b 2784 020c 1cf8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.34	1884	166	4				85.73	156.73	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 384c 156f 272f 02ac 1d70 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.34	1886	166	2				85.72	155.69	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 384c 156e 26ec 032c 1d78 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
21.94	1894	166	5				85.33	139.95	5			RT	2		

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CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Radar Report Msg 0b01 001c 003a 384c 1555 22fd 0af8 1d98 0205 0500 0003 0102 1d00 0000

TARGET REPORTS
STIME SN RANGE ACP DEG QUA BEACON ALT COR SYSTEM SYSTEM PROC STR SC TYP SYS
NM ALT X NM Y NM STAT
4.16 2003 176 1 85.05 158.06 1 RT 2

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Radar Report Msg 0b01 001c 003a 384c 1543 2784 0214 1f4c 0201 0100 0001 0000 1d00 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:35.930 406 2 4622 -151 -8 RADAR-ONLY: NO
FIRMNESS: 36
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+12.23 -21.96 151 25.09 1716 151 25.15 92.03 137.50 152 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
267 +4029 +3900 +3900 +3900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:03:35.930 Active Track Maintenance Msg 1700 0058 0000 79e0 0000 7dea 0000 79e0 003a 372b fbf7 0000 061d f505 0000 0000
f533 ff6e 0000 6b44 1926 0992 6b50 1924 003a 1702 2260 0ad0 0196 0000 0000 2108
0a1f 2400 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:

NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:35.930 530 2 4643 -271 +189 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+23.36 -44.34 152 50.07 1732 152 50.12 97.11 113.13 330 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
304 +20000 +20000 +20000 +20000 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 7100 0002 7100 0002 7100 003a 373c 0000 0000 0bae e9d4 0000 0000 ecb9 0d73 0000 6c45 321f 09a3 6c40 3220 3db0 1847 1c48 1781 0212 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:35.930	312	2	3220		-150	-44			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+6.74	-14.32	155	15.80	1764 155	15.80	88.67	146.28	157	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
253	+1629	+1500	+1461	+1334	-27	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 29b4 0000 32ea 0000 2daf 003a 375d fbf7 ff25 035f f8d7 0000 0000
		f545 fcd3 0000 6e45 0fce 0690 6e10 0fd4 0001 162b 2492 0b31 0138 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:35.930	176	2	4772		+163	+44			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
+3.15	-10.61	163	11.01	1855 163	11.08	86.13	150.78	169	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
74	+4829	+4700	+4707	+4606	-22	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 8ff0 0000 96ea 0000 931b 003a 37cc fbf7 ff50 0193 fab2 0000 0000
0b9c 0327 0000 73fd 0b15 09fa 7440 0b14 0000 1588 25b2 0c08 00b0 0000 0000 0101
081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:35.930	310	2	1051		+431	+102			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+4.26	-32.45	172	32.71	1963 173	32.74	81.69	129.53	443	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
76	+21300	+21300	+21276	+21444	+36	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:35.930	Active Track Maintenance Msg	1700 0058 0002 9e27 0002 99a0 0002 98e0 003a 3840 0000 0126 0221 efc7 0000 0000 1eaa 0747 0000 7abf 20be 0229 7ab0 20bc 0b02 146c 2062 1f84 0136 0000 0000 02bc 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:35.930	219	2	1060			-404	-143		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+2.42	-16.87	172	16.98	1954 172	17.06	83.95	145.84	429	INHIBIT MSAW PROCESS: INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC WINDOW
250	+35000	+35000	+35000	+35000	+0	+0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 45c0 0004 45c0 0004 45c0 003a 3837 0000 0000 0136 f791 0000 0000 e33f f5cf 0000 7a2b 110f 0230 7a30 110c 003a 14fd 2476 1e82 00db 0000 0000 0400 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:35.930	160	2	4645			+162	+306		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+2.00	-15.06	172	15.19	1966 173	15.21	83.91	146.88	347	INHIBIT MSAW PROCESS: INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
28	+12429	+12300	+12325	+12592	+56	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 8982 0001 846a 0001 812f 003a 383f fbf7 01c6 0100 f878 0000 0000 0b94 15d3 fffe 7ae2 0f36 09a5 7aa0 0f34 0003 14fa 24b8 18b4 00a0 0000 0000 0100 061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:35.710	17	5.16	2077	183	4		84.31		157.14	4			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:35.940	Radar Report Msg	0b01 001c 003a 391e 1514 2749 0294 2074 0204 0400 0001 0303 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	31.50	2162	190	6			72.63	133.25	6		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:35.950	Radar Report Msg	0b01 001c 003a 3932 1228 2150 0fc0 21c8 0206 0600 0004 0302 1d00 0000
01:03:36.050	Delete Track Msg	1704 0008 01a1 0310

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:35.940	18	4.44	2218	195	1		83.72	158.23	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:36.160	Radar Report Msg	0b01 001c 003a 3a04 14ee 278f 0238 22a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.44	2243	197	1			83.58	158.31	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3a04 14e5 2794 0238 230c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:36.270	449	2	7242	-311	+146		RADAR-ONLY: NO		

FIRMNESS: 38

DISPLAY	DISPLAY	DISPLAY	DISPLAY	PRED_AZIM	PREDICTED	SYSTEM	SYSTEM	SPEED	ALTITUDE FIRMNESS: 9

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
+1.05	-34.41	178	34.39	2027 178	34.43	78.16	128.67	344	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
295	+32500	+32500	+32511	+32589	+17	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:36.270	Active Track Maintenance Msg	1700 0058 0003 fa6d 0003 f7a0 0003 f7f8 003a 3889 0000 0088 0087 eecb 0000 0000
		e9e0 0a74 0000 7ebf 226e 0ea2 7ec0 2270 17d7 138a 202b 1879 01c1 0000 0000 0000
		091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:36.270	580	2		4614	-66	+45			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
+0.05	-18.51	180	18.50	2046 180	18.49	81.14	143.92	80	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
304	+4529	+4400	+4419	+4468	+10	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 8ba6 0000 8d8a 0000 8a1f 003a 389d fbf7 0055 0007 f6bf 0000 0000
		fb3d 033b 0000 7fea 127e 098c 7fe0 1284 0000 1449 23fb 05c1 0244 0000 0000 0000
		091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:36.370	49	2		6311	+363	-83			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
-12.20	-43.82	195	45.47	2223 195	45.47	62.89	122.58	372	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
103	+11329	+11200	+11183	+11054	-27	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:36.370 Active Track Maintenance Msg 1700 0058 0001 5975 0001 620a 0001 5d7f 003a 3967 fbf7 ff22 f9e7 ea17 0000 0000
19d3 fa08 0000 8af3 2d79 0cc9 7fff 2d7c 0003 0fb9 1ea5 1a82 0031 0000 0000 391e
091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:36.270	21	5.56	2506	220	1		81.41		158.77	1		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3aea 145a 27b1 02c8 2728 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	29.56	2523	222	7		61.17		145.52	7			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:36.500	Radar Report Msg	0b01 001c 003a 3aea 0f4b 2461 0ec8 276c 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
5.56	2531	222	1			81.28	158.94	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:36.500	Radar Report Msg	0b01 001c 003a 3b4e 1452 27bc 02c8 278c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
5.97	2583	227	4			80.70	159.11	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3b4e 142d 27c7 02fc 285c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
6.63	2635	232	2			79.88	159.25	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3b4e 13f8 27d0 0350 292c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
6.78	2636	232	4			79.72	159.19	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:36.500 Radar Report Msg 0b01 001c 003a 3b58 13ee 27cc 0364 2930 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
	8.66	2660	234	3					77.84	158.70	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3b58 1376 27ad 0454 2990 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
	10.34	2642	232	4					76.36	157.81	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3b58 1317 2774 052c 2948 0204 0400 0001 0303 1d00 0000

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:36.590	379	2	6312		+283	+0			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-7.60	-12.50	211	14.61	2402 211	14.62	75.30	151.70	283	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
90	+9329	+9200	+9242	+9162	-17	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:36.590	Active Track Maintenance Msg	1700 0058 0001 1e53 0001 238a 0001 20d0 003a 3a30 fbf7 ff75 fc33 f9c0 0000 0000 1428 0003 0000 962e 0e9e 0cca 7fff 0ea4 fbf7 12d3 25ed 1428 017b 0000 0000 f87e 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:36.590	361	2	1022		-192	-84			RADAR-ONLY: NO

FIRMNESS: 20

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
-2.15	-16.76	187	16.88	2127 187	16.89	79.45	146.16	210	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
246	+2629	+2500	+2482	+2571	+20	+0	00111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:36.590 Active Track Maintenance Msg 1700 0058 0000 5059 0000 522a 0000 4d97 003a 38fd fbf7 00a5 feed f79f 0000 0000
f248 fa01 0005 84ff 10e5 0212 7fff 10e8 0005 13dd 248a 0ef9 0169 0000 0000 391e
0507 1400 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG X	QUA NM	BEACON Y	ALT NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:36.360	22	7.22	2666	234	1		79.19	159.31	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:36.600	Radar Report Msg	0b01 001c 003a 3bb2 13cc 27d4 039c 29a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG X	QUA NM	BEACON Y	ALT NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		23.59	2666	234	3		63.78	153.39	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3bb2 0ff2 2659 0bcc 29a8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
4.38	2714	239	2			81.86	160.66	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3bb2 1477 282a 0230 2a68 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
15.75	2746	241	2			70.56	158.05	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3bb2 11a4 2783 07e0 2ae8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
24.72	2763	243	3			61.67	156.50	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3bb2 0f6b 2720 0c5c 2b2c 0203 0300 0001 0203 1d00 0000
01:03:36.810	Delete Flight Data Msg	1809 0008 0287 0100

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:36.920	8	2	1273	+0	+0				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY	DISPLAY	DISPLAY	DISPLAY	PRED_AZIM	PREDICTED	SYSTEM	SYSTEM	SPEED	ALTITUDE FIRMNESS: 10

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
-37.78	-33.20	228	50.26	2602 229	50.30	40.81	139.30	0	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
180	-899	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:36.920	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e3e1 ffff e3e1 003a 3b0f 0000 0000 ed1c ef66 0000 0000 ffff fffd 0000 a2a0 324c 02bb 7fff 324c 0000 0a34 22d3 0004 0008 0000 0000 0000 0a1f 2603 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:36.920	173	2	6307		+500	-225			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-14.86	-10.91	233	18.38	2659 234	18.43	69.36	155.33	549	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
114	+33000	+33000	+33000	+33000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 0740 0004 0740 0004 0740 003a 3b4f 0000 0000 f892 fa8b 0000 0000
		239f eff0 0000 a632 126e 0cc7 7fff 1270 0000 1157 26d5 2714 00ad 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:36.920	304	2	7342		-317	+158			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-27.09	-21.07	232	34.29	2640 232	34.32	54.67	148.50	354	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
296	+35000	+35000	+35000	+35002	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0004 45d0 0004 45c0 0004 45c5 003a 3b3b 0000 0002 f275 f577 0000 0000
e96d 0b45 0000 a509 2251 0ee2 7fff 2250 0000 0dab 2520 193b 0130 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

Delete Flight Data Msg 1809 0008 01e3 0100

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:36.610	23	2.00	2797	246	5		84.59		161.64	5			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:36.930	Radar Report Msg	0b01 001c 003a 3ca2 1526 2869 0100 2bb4 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		12.00	2835	249	3		73.94		160.56	3			RT	2					

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3ca2 127c 2824 0600 2c4c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	15.06	2860	251	4					70.81	160.80	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3ca2 11b4 2833 0788 2cb0 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
01:03:36.830	25	13.78	3123	274	1				72.83	166.33	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:37.060	Radar Report Msg	0b01 001c 003a 3d7e 1235 2995 06e4 30cc 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	19.00	3091	272	4					67.59	167.16	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3d7e 10e6 29ca 0980 304c 0204 0400 0004 0101 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS

13.44	3131	275	1		73.22	166.36	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3d7e 124e 2997 06b8 30ec 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM COR NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	12.91	3146	277	1			73.81	166.47	1			RT			2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3d7e 1274 299e 0674 3128 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM COR NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	13.69	3121	274	4			72.91	166.25	4			RT			2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3d7e 123a 2990 06d8 30c4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG X	QUA NM	BEACON Y	ALT NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
13.28	3139	276	1	73.42		166.47	1		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3d7e 125b 299e 06a4 310c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:37.150	586	2	4673	+321	+7				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
-19.21	-12.13	237	22.70	2705 238	22.73	64.17	155.00	321	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
88	+10429	+10300	+10285	+10206	-16	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:37.150	Active Track Maintenance Msg	1700 0058 0001 3ef6 0001 45ea 0001 416f 003a 3b83 fbf7 ff79 f665 f9f0 0000 0000 16d5 008d 0000 a917 16bc 09bb 7fff 16b8 0003 100b 26c0 16d7 024a 0000 0000 3d7e 091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED:

NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:37.150 319 OPT708 2 4725 4725 1W +118 +28 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-1.16 -0.65 241 1.29 2734 240 1.31 84.48 161.50 122 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
76 +1029 +900 +915 +855 -13 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 1ab9 0000 202a 0000 1c99 003a 3ba7 fbf7 ff98 ff6c ffad 0000 0000 0872 0204 0000 aae4 0150 09d5 7fff 0154 0001 151f 2860 08af 013f 0000 0000 3ae0 0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Flight Plan Maintenance Msg 1800 01d4 0000 0004 0000 0000 0000 0202 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0003
0000 0200 0000 0600 0000 0000 0000 0000 8000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09d5 0003 0122 ffff ffff 002a 0168 0000
0000 0000 0000 02b8 0000 0001 0001 0000 0000 0000 005b 0000 0096 00f5 013f 0092
0000 00be 0000 010d 008c 01a6 0000 0000 0000 0000 0000 0000 0000 022e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0001 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 03ff 0100 0000 0000 0000 0000 0100 0000 0000 0001 0001 0502
0001 0000 0000 0031 4245 3430 0000 0000 504d 4400 4255 5200 2020 2020 2020 2020
2020 0000 4f50 5437 3038 0000 0000 0032 3931 0000 0057 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:37.150 591 N31F 2 0260 0260 1Y +35 +79 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-7.96 -3.27 247 8.57 2815 247 8.61 77.23 160.69 87 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: YES
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
24 +2029 +1900 +1855 +1831 -5 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

01:03:37.150 Active Track Maintenance Msg 1700 0058 0000 3939 0000 3f6a 0000 39fc 003a 3c02 fbf7 ffd7 fc05 fe5d 0000 0000

0289 05a8 0000 aff4 089c 00b0 7fff 089c 0000 134f 282c 0633 024f 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 00b0 008a 0104 ffff ffff 003d 000e 0000
0000 0000 0000 0000 0000 008a 008a 0000 0000 0000 0000 0000 00c9 0215 024f 015c
0000 00b1 0000 013a 00d7 00d5 0000 0000 0000 0000 0000 0000 0000 0448 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0004 2020 2fff 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0702
0001 0000 0000 0043 0000 0000 0000 0000 0000 0000 564e 5900 2020 2020 2020 2020
2020 0000 4e33 3146 0000 0000 0000 0000 0000 0000 0059 0000 0000 0020 564e 5900
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:37.150 545 N4171H 2 4706 4706 0 -155 -40 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-22.22 -5.64 255 22.89 2911 256 22.92 62.86 162.02 161 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
255 +4029 +3900 +3900 +3900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 79e0 0000 7dea 0000 79e0 003a 3c69 fbf7 0000 f4e4 fd2e 0000 0000
f4ea fd1c 0000 b5f2 16ec 09c6 7fff 16ec 0000 0fb7 2881 0b75 0221 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09c6 0000 0028 0028 0028 001e 003d 0000
0000 0000 0000 0000 0000 0001 0003 0000 0000 0000 0068 0000 00fa 0115 0221 0235
0000 0000 0000 00a7 0144 0075 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0100 0000 0100 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 21ff 0600 0000 0000 0000 0000 0100 0000 0000 0001 0000 0502
0001 0000 0000 0036 4d32 3050 0000 0000 5748 5000 4f58 5200 2020 2020 2020 2020
2020 0000 4e34 3137 3148 0000 0000 0034 3534 3234 3400 0000 0000 0020 4f58 5200
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE--- ASSIGNED	BEACON CODE--- REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:37.150	274	N8063T	2	4763	4763	1V	+118	+41	OVR

RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3
-18.10	-3.57	258	18.41	2944 259	18.45	67.38	162.97	125	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
70	+6529	+6400	+6130	+6130	+0	+0	11110

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 bf90 0000 cc0a 0000 bf90 003a 3c91 fbf7 0000 f6f3 fe37 0000 0000 0865 02f4 0000 b808 1274 09f3 7fff 1274 0000 10d8 28be 08e6 0112 0000 0000 0000 031e 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0101

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09f3 0005 0032 ffff 0032 002c 022a 0000
0000 0000 0000 018b 0000 0003 0015 0000 0000 0000 00ae 0000 0070 0245 0112 00cb
0000 002d 0000 0194 0133 0144 0000 0000 0000 0000 0000 0000 0000 042f ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 00ff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0036 5041 3332 0000 0000 4f58 5200 4844 4600 2020 2020 2020 2020
2020 0000 4e38 3036 3354 0000 0000 0030 3030 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:37.150 297 2 1056 -17 +96 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-41.04 -2.90 266 41.10 3028 266 41.16 45.34 169.44 98 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
349 +5629 +5500 +5485 +5548 +13 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 ad67 0000 afea 0000 ab6b 003a 3cec fbf7 006f eb7b fe8d 0000 0000

febd 06e5 0000 bd41 2929 022e 7fff 2924 0000 0b56 2a5c 0703 0129 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	10.19	3244	285	4				77.03		166.83	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:37.150	Radar Report Msg	0b01 001c 003a 3de2 1342 29b5 0518 32b0 0204 0400 0001 0303 1d00 0000

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:37.250	275		2	0257		+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+35.79	+0.51	89	35.75	1014 89	35.79	120.50	153.22	91	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1829	+1700	+0	+1829	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:37.250	Active Track Maintenance Msg	1700 0058 0000 392a 0000 392a 0000 0000 0000 0000 fbf7 0000 11e5 0041 0000 0000
		0000 0000 0000 3f6c 23ca 00af 3f6c 23ca 0000 1e20 264e 067c 0113 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:37.250	475	N6887L	2	4714	4714	1W	+182	+35	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
-20.16	-1.52	265	20.18	3020 266	20.21	65.89	165.48	185	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
79	+5029	+4900	+4894	+4901	+1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:37.250 Active Track Maintenance Msg 1700 0058 0000 992a 0000 9d2a 0000 98f7 003a 3ce8 fbf7 000b f5eb ff3e 0000 0000
0cf4 0280 0000 bccf 1436 09cc 7fff 1438 0000 1079 295f 0d31 01db 0000 0000 4842
051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0004 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 2000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09cc 0003 0000 ffff 0032 0038 0253 0000
0000 0000 0000 00b2 0000 0003 0000 0000 0000 0000 00f2 0000 0014 0138 01db 00c3
0000 01ee 0000 0062 0054 01c9 0000 0000 0000 0000 0000 0000 0000 025c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 1dff 0600 0000 0000 0000 0000 0100 0000 0000 0001 0001 0502
0001 0000 0000 0036 4334 3231 0000 0000 4f58 5200 4343 4200 2020 2020 2020 2020
2020 0000 4e36 3838 374c 0000 0000 0037 3937 0000 0057 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:37.250 87 CPF420 2 4664 4664 1X +77 -66 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-5.30 +0.08 270 5.25 3082 271 5.29 80.70 163.27 101 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
130 +4729 +4600 +4631 +4683 +11 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 925d 0000 93ca 0000 90bb 003a 3d2c fbf7 005b fd5a 000a 0000 0000
0580 fb4d 0000 c0a8 054b 09b4 7fff 054c 5858 142d 28d1 073c 0057 0000 0000 0358
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09b4 0015 0032 0032 0032 003c 017c 0000
0000 0000 0000 0000 0000 0001 0026 0000 0000 0000 00ed 0000 01b0 009b 0057 0201
0000 016b 0000 0010 0184 0185 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2eff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 4332 3036 0000 0000 5748 5000 544f 4100 2020 2020 2020 2020
2020 0000 4350 4634 3230 0000 0000 0035 3634 0000 0058 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:37.250 9 2 1275 -2 +1 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-12.51 -10.99 228 16.61 2602 229 16.65 70.88 154.38 3 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
303 -470 -599 -599 -599 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 ffff ed41 ffff f14b ffff ed41 003a 3b0f fbf7 0000 f9bf fa81 0000 0000
ffcc 0023 0000 a2a6 10a6 02bd 7fff 10a8 0000 11b8 2698 003e 0009 0000 0000 a6dc
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:37.250	362	2		0006	+327	-302			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
-28.95	+4.10	278	29.22	3165 278	29.21	58.92	173.11	446	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
132	+16229	+16100	+16118	+15867	-54	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:37.250	Active Track Maintenance Msg	1700 0058 0001 efdb 0001 fb2a 0001 f7b3 003a 3d87 fbf7 fe4a f187 020d 0000 0000 1748 ea76 0000 c5d1 1d37 0006 7fff 1d3c 0000 0ebb 2b47 1fb8 016a 0000 0000 0000 071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:37.030	27	13.94	3286	289	2		74.22	169.47	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:37.270	Radar Report Msg	0b01 001c 003a 3e46 128e 2a5e 06f8 3358 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
		14.09	3291	289	2		74.14	169.66	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3e46 1289 2a6a 070c 336c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.00	3253	286	2			77.27		166.86		2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3e46 1351 29b7 0500 32d4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.03	3325	292	5			81.95		164.70		5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3e46 147d 292d 0284 33f4 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:37.380	511		2		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+19.33	-2.05	96	19.41	1093 96	19.43	103.94	154.92	113	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	CST	CST	+0	+1529	+0	+0	00000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:37.380	Active Track Maintenance Msg	1700 0058 0000 2fca 0000 2fca 0000 0000 0000 0000 fbf7 0000 09aa fef9 0000 0000 0000 0000 0000 4450 136f 0a82 4450 136f 0000 19fc 26bb 0811 01ff 0001 0000 0000 0000 3f00 0203 1000 0303 0000 0000 0001 0100 0000 0000 0001
01:03:37.380	Delete Track Msg	1704 0008 01d3 0510

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	7.19	3421	301	4			80.84	166.83	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:37.470	Radar Report Msg	0b01 001c 003a 3eb4 1436 29b5 0398 3574 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	7.19	3446	303	4			81.03	167.00	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3eb4 1442 29c0 0398 35d8 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.34	3423	301	4			80.73		166.95	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3eb4 142f 29bd 03ac 357c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	8.00	3409	300	5			80.16		167.31	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3ebe 140a 29d4 0400 3544 0205 0500 0003 0102 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	30.09	3434	302	3			65.08	183.63	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3ec8 1045 2de8 0f0c 35a8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	9.25	3486	306	2			80.03	168.92	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3ec8 1402 2a3b 04a0 3678 0202 0200 0001 0103 1d00 0000
01:03:37.590	Delete Track Msg	1704 0008 01eb 0210

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:37.370	29	8.97	3514	309	1		80.52	168.94	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:37.590	Radar Report Msg	0b01 001c 003a 3f86 1421 2a3c 047c 36e8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	8.72	3547	312	1			81.02	168.98	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3f86 1441 2a3f 045c 376c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE--- ASSIGNED	BEACON CODE--- REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:37.690	84	N774CS	2	3376	3376	1W	+146	-155	RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-22.91	+6.34	285	23.73	3248 286	23.78	65.27	173.75	213	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS: YES
									INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
136	+10129	+10000	+10026	+9993	-7	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:37.690	Active Track Maintenance Msg	1700 0058 0001 384b 0001 3c8a 0001 3952 003a 3de6 fbf7 ffc7 f48c 032b 0000 0000
		0a72 f4f6 0000 cb07 17c7 06fe 7fff 17c4 003a 1051 2b70 0f33 0054 0000 0000 0400
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 06fe 0003 012c ffff f830 0037 01ab 0000
0000 0000 0000 013a 0000 0007 002e 0000 0000 0000 00a9 0000 0215 0249 0054 0250
0000 0000 0000 005e 0091 014a 0000 0000 0000 0000 0000 0000 0000 03cb ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2056 2eff 0000 0000 0000 0000 0000 0101 0003 0000 0001 0001 0502
0001 0000 0000 0043 4332 3130 0000 0000 5341 3900 544f 4100 2020 2020 2020 2020
2020 0000 4e37 3734 4353 0000 0000 0036 3032 0000 0057 0000 0000 0020 0000 004f
4646 5620 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:37.690 194 DDA77 2 4043 4043 0 +379 -341 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-45.95 +20.03 293 50.10 3340 294 50.07 46.48 192.80 510 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
132 +20600 +20600 +20603 +20283 -69 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0002 79df 0002 83c0 0002 83db 003a 3e4d 0000 fdd4 e907 0a04 0000 0000

1afa e7b2 0000 d0cd 3213 0823 7fff 3220 2326 0b9f 3033 244f 00c2 0000 0000 0003
051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0823 0000 0136 ffff 0172 003f 0204 0000
0000 0000 0000 0001 0007 0007 0007 0000 0000 0000 00ab 0000 0148 00d5 00c2 0000
0000 0000 0000 00c8 0155 0189 0000 0000 0000 0000 0000 0000 0000 023d ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0100 0000 0100 0000 0100 0000
0100 0000 0001 0000 0001 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0005 2000 2fff 0000 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0102
0001 0000 0000 0043 4c4a 3335 0000 0000 4649 4d00 564e 5900 2020 2020 2020 2020
2020 0000 4444 4137 3700 0000 0000 0033 3535 0000 0000 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:37.690	56	2	4752	-142	+179				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-27.21	+21.30	308	34.50	3506 308	34.57	64.88	189.31	229	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
321	+12029	+11900	+11900	+11900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:37.690	Active Track Maintenance Msg	1700 0058 0001 73e0 0001 77ea 0001 73e0 003a 3f07 fbf7 0000 f265 0aa6 0000 0000
		f5d6 0cc6 0000 db29 2291 09ea 7fff 2290 0000 1038 2f54 1053 0038 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:37.690	51	2	1331	-197	+278				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-23.85	+16.69	305	29.07	3469 305	29.11	67.20	183.70	341	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
324	+31000	+31000	+31000	+31000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0003 c8c0 0003 c8c0 0003 c8c0 003a 3edf 0000 0000 f413 0858 0000 0000
f1f3 13c7 0000 d8d7 1d1b 02d9 7fff 1d1c 003a 10cd 2ded 1842 0033 0000 0000 0100
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:37.690	400	2	4675			-189	-63		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-40.71	+33.20	309	52.50	3519 309	52.50	54.83	204.23	199	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
251	+14029	+13900	+13900	+13900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 b260 0001 b66a 0001 b260 003a 3f15 fbf7 0000 eba5 109a 0000 0000
f289 fb80 0000 dbf3 3481 09bd 7fff 3488 10a9 0db5 330f 0e32 0190 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:37.690 392 2 7304 -248 +259 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-24.96 +20.94 310 32.56 3527 310 32.57 67.05 188.25 358 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
316 +22500 +22500 +22528 +22682 +33 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0002 c4d2 0002 bf20 0002 c001 003a 3f1f 0000 010b f385 0a78 0000 0000
ee5d 126e 0000 dc7d 2093 0ec4 7fff 2094 0000 10c3 2f10 1982 0188 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:37.690 384 2 1200 +93 +71 RADAR-ONLY: NO
FIRMNESS: 35
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-35.07 -1.72 267 35.10 3040 267 35.11 51.42 169.06 117 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
52	+5629	+5500	+5500	+5500	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 abe0 0000 afea 0000 abe0 003a 3cfc fbf7 0000 ee77 ff24 0000 0000 06a4 0512 0000 be03 231c 0280 7fff 231c 003a 0cdb 2a44 085b 0180 0000 0000 0000 0a1f 2300 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.19	3684	324	4			83.95		166.42		4		RT		2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:37.690	Radar Report Msg	0b01 001c 003a 3ffe 14fd 299b 0298 3990 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.03	3685	324	2				84.02	166.28	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3ffe 1501 2992 0284 3994 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.41	3667	322	1				83.75	166.59	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3ffe 14f0 29a6 02b4 394c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
59.97	3739	329	4				68.55	219.23	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 3ffe 1123 36cf 1dfc 3a6c 0204 0400 0005 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:37.910	59	2	4603	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X	DISPLAY NM Y	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PREDICTED DEG	SYSTEM RANGE NM	SYSTEM X	SYSTEM NM Y	SPEED KNOTS	ALTITUDE FIRMNESS: 0
										VALID ALTITUDE: YES

+54.04 +11.68 77 55.23 885 78 55.29 140.88 159.38 326 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+22000	+22000	+0	+22000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:37.910	Active Track Maintenance Msg	1700 0058 0002 af80 0002 af80 0000 0000 0000 0000 0000 0000 1b05 05d7 0000 0000 0000 0000 0000 3753 3749 0983 3753 3749 0000 2338 27d8 173c 003b 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR SYSTEM	SYSTEM PROC	STR	SC	TYP	SYS
01:03:37.590	30	7.72	3812	335	1		84.42		169.27	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:37.910	Radar Report Msg	0b01 001c 003a 40d0 151b 2a51 03dc 3b90 0201 0100 0001 0000 1d00 0000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:38.020	Delete Track Msg	1704 0008 0148 0010

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:38.130	322	N900RL	2	3601	3601	1F	-13	-250	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9
-10.40	+12.78	320	16.44	3648 321	16.44	78.97	176.81	251	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
183	+7429	+7300	+7346	+7285	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:38.130	Active Track Maintenance Msg	1700 0058 0000 e3ae 0000 e82a 0000 e591 003a 3fab fbf7 ff95 facd 0664 0000 0000
		ff0d ee2c 0000 e408 1071 0781 7fff 107c 0000 13be 2c34 11db 0142 0000 0000 0156
		091f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0781 0001 0122 ffff 01c2 0037 01b6 0000
		0000 0000 0000 00ba 0000 0001 008a 0000 0000 0000 008f 0000 012b 00a5 0142 009b
		0000 01c6 0000 01cb 000c 020d 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
		0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 35ff 0100 0000 0000 0000 0000 0100 0003 0000 0001 0001 0702
		0001 0000 0000 0031 474c 4634 0000 0000 504d 4400 5656 5600 2020 2020 2020 2020
		2020 0000 4e39 3030 524c 0000 0000 0035 3736 0000 0046 0000 0000 0020 5656 5600

0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

END TIME	START TIME	TARGET REPORTS: LIVE	SIMULATED	VALID MODE-C:	0
01:03:37.920	01:03:33.280	RADAR-ONLY 104	0	0.0%	
SENSOR = 2		BEACON-ONLY 0	0		
		RADAR & BEACON 0	0	VALID MODE-3/A:	0
		TOTAL 104	0	0.0%	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:38.130	Sensor Sector Mark Msg	1715 000c 003a 41c0 0000 0200

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: DEP
01:03:38.140 74 N40905 2 6701 6701 0 -52 +76 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 9
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-8.88 +15.44 330 17.80 3753 330 17.83 81.11 178.97 92 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
325 +9929 +9800 +9795 +9792 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:03:38.140 Active Track Maintenance Msg 1700 0058 0001 3203 0001 364a 0001 321a 003a 4021 fbf7 fffc fb90 07b8 0000 0000
fc49 056f 0000 ea9a 11d5 0dc1 7fff 11d0 0001 1447 2cbe 0695 004a 0000 0000 41c0
091f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0dc1 0000 0064 0064 0064 058a 0094 0000
0000 0000 0000 0000 0000 0058 0005 0000 0000 0000 029c 0000 01cc 012f 004a 01c6
0000 0213 0000 0001 0134 005a 0000 0000 0000 0000 0000 0000 0000 00dc ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 9900 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
0001 0000 0000 0043 5032 3852 0000 0000 4d59 4600 4c48 5300 2020 2020 2020 2020
2020 0000 4e34 3039 3035 0000 0000 0035 3837 0000 0000 0000 0000 0020 0000 0056
3539 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
01:03:37.920	0	6.56	3888	342	4				85.36	168.19	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:38.150	Radar Report Msg	0b01 001c 003a 4166 1557 2a0c 0348 3cc0 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
		29.78	3930	345	3				85.81	191.56	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4166 1574 2fe4 0ee4 3d68 0203 0300 0003 0003 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.59	3995	351	1			86.83	172.25	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4166 15b5 2b10 054c 3e6c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	8.63	3977	350	2			86.39	170.30	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4166 1599 2a93 0450 3e24 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.06	4011	353	3			86.38	166.59	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:38.170	Radar Report Msg	0b01 001c 003a 41ca 1598 29a6 0288 3eac 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	11.09	4055	356	3			87.88	172.61	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 41ca 15f8 2b27 058c 3f5c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM STAT	SYSTEM COR	SYSTEM PROC	STR	SC	TYP	SYS
		8.88	22	2	2		88.27	170.20	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 41ca 1611 2a8d 0470 0058 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM STAT	SYSTEM COR	SYSTEM PROC	STR	SC	TYP	SYS
01:03:38.010	1	9.06	54	5	4		88.73	170.25	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:38.250	Radar Report Msg	0b01 001c 003a 421a 162f 2a90 0488 00d8 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.88	56	5	2			87.66	167.16	2				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 421a 15ea 29ca 02f0 00e0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	6.38	115	10	3			88.36	167.44	3				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 421a 1617 29dc 0330 01cc 0203 0300 0001 0203 1d00 0000
01:03:38.350	Delete Track Msg	1704 0008 0117 0410
01:03:38.350	Delete Track Msg	1704 0008 008e 0510

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:03:38.350	358	DSO92	2	7303	7303	0	+23	+314	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-2.24	+12.59	350	12.75	3981 350	12.77	86.77	174.34	315	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC WINDOW
4	+15829	+15700	+15696	+15776	+17	+0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:38.350	Active Track Maintenance Msg	1700 0058 0001 ed07 0001 eeaa 0001 ea81 003a 411e fbf7 008c fee1 064b 0000 0000
		01a9 1658 0000 f8d2 0cc5 0ec3 7fff 0cc8 0000 15b1 2b96 1667 0166 0000 0000 0000
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0200 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0ec3 0000 0172 0172 0172 003c 010c 0000
		0000 0000 0000 0000 0000 0005 0005 0000 0000 0000 00c9 0000 016c 002d 0166 0154
		0000 000a 0000 01cd 0187 0113 0000 0000 0000 0000 0000 0000 0000 01ef ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
		0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0005 2000 af00 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
		0001 0000 0000 0043 4639 3030 0000 0000 564e 5900 504d 4400 2020 2020 2020 2020
		2020 0000 4453 4f39 3200 0000 0000 0032 3133 0000 0000 0000 0000 0020 0000 0000
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:38.130	2	10.31	195	17	1		91.14		170.50	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:38.350	Radar Report Msg	0b01 001c 003a 4292 16c9 2aa0 0528 030c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.59	247	22	2			91.98		170.27	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:38.580	Radar Report Msg	0b01 001c 003a 4364 16ff 2a91 054c 03dc 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	28.97	315	28	3			105.25		183.20	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4364 1a50 2dcd 0e7c 04ec 0203 0300 0003 0003 1d00 0000
01:03:38.690	Delete Track Msg	1704 0008 00fa 0010

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:38.690	460	EJA631	2	4757	4757	0	-277	-141	RADAR-ONLY: NO

FIRMNESS: 30

DISPLAY	DISPLAY	DISPLAY	DISPLAY	PRED_AZIM	PREDICTED	SYSTEM	SYSTEM	SPEED	ALTITUDE FIRMNESS: 8

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
+8.48	+28.75	16	29.96	189 17	29.99	101.22	187.44	311	INHIBIT MSAW PROCESS: NO
									INHIBIT MSAW DISPLAY: NO

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
243	+14029	+13900	+13900	+13900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:38.690	Active Track Maintenance Msg	1700 0058 0001 b260 0001 b66a 0001 b260 003a 4292 fbf7 0000 043e 0e60 0000 0000
		ec41 f5e9 0000 0bd7 1dfe 09ef 0bb0 1dfc 0000 194e 2edc 162d 01cc 0000 0000 0000
		081f 1e00 0201 1000 0303 0100 0000 0000 0000 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09ef 0000 0172 ffff ffff 003c 026d 0000
		0000 0000 0000 0001 0001 0001 0001 0000 0000 0000 009a 0000 003e 01bd 01cc 01a5
		0000 01e5 0000 01c8 005b 0124 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
		0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 2fff 0100 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0702
		0001 0000 0000 0031 4335 3658 0000 0000 504d 4400 564e 5900 2020 2020 2020 2020
		2020 0000 454a 4136 3331 0000 0000 0039 3135 0000 0000 0000 0000 0020 0000 0000
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
01:03:38.690	Delete Track Msg	1704 0008 00e6 0010

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:38.480	4	1.03	366	32	5		86.28		162.31	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:38.700	Radar Report Msg	0b01 001c 003a 43e6 1592 2894 0084 05b8 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:38.790	451	2	7211	+0	+0				RADAR-ONLY: NO
									FIRMNESS: 63

DISPLAY	DISPLAY	DISPLAY	DISPLAY	PRED_AZIM	PREDICTED	SYSTEM	SYSTEM	SPEED	ALTITUDE FIRMNESS: 0

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
+31.88	-23.59	126	39.64	1439 127	39.66	110.58	130.91	121	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+229	+100	+0	+229	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:38.790	Active Track Maintenance Msg	1700 0058 0000 072a 0000 072a 0000 0000 0000 0000 fbf7 0000 0ff0 f434 0000 0000 0000 0000 0000 59f6 27a8 0e89 59f6 27a8 0000 1ba5 20ba 08aa 01c3 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	7.22	467	41	1		91.58	165.80	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:38.790	Radar Report Msg	0b01 001c 003a 4454 16e5 2973 039c 074c 0201 0100 0001 0000 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.25	491	43	1			91.75	165.59	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4454 16f0 2966 03a0 07ac 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.41	515	45	1			92.03	165.45	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4454 1702 295d 03b4 080c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:38.680	6	3.66	698	61	2		88.95	162.63	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 44b8 163d 28a8 01d4 0ae8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.03	732	64	7			89.39	162.53	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:39.020 Radar Report Msg 0b01 001c 003a 4526 1659 28a2 0204 0b70 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	3.91	776	68	2					89.30			162.28	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4526 1653 2892 01f4 0c20 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:39.020	8	3.47	826	73	3				88.84			161.98	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:39.240	Radar Report Msg	0b01 001c 003a 45a8 1636 287f 01bc 0ce8 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:39.350	311	2	3275		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+27.05	-23.42	130	35.71	1489 131	35.78	105.95	132.31	237	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:39.350	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0d87 f44a 0000 0000 0000 0000 0000 5d12 23c8 06bd 5d12 23c8 0000 1a7d 2114 10dd 0137 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:39.350	6	2	1274		+4	+2			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+37.57	+17.84	64	41.57	734 65	41.61	126.64	169.58	5	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
63	-770	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:39.350 Active Track Maintenance Msg 1700 0058 ffff e3e1 ffff e7eb ffff e3e1 003a 44fa fbf7 0000 12c9 08ec 0000 0000
005a 002f 0000 2deb 299d 02bc 2df0 2998 2316 1fa9 2a65 0066 0006 0000 0000 0734
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR SYSTEM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:03:39.130	9	3.28	954	84	3		88.59		161.41	3			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:39.350	Radar Report Msg	0b01 001c 003a 4670 1626 285a 01a4 0ee8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR SYSTEM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
		5.28	978	86	4		90.72		160.91	4			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4670 16ae 283a 02a4 0f48 0204 0400 0001 0303 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	47.28	1115	98	4			129.36	143.63	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:39.350	Radar Report Msg	0b01 001c 003a 467a 2057 23e8 17a4 116c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	29.38	1117	98	5			112.80	150.44	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:39.460	Radar Report Msg	0b01 001c 003a 46e8 1c33 259c 0eb0 1174 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	2.91	1123	99	0			87.98	160.88	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 46e8 15ff 2838 0174 118c 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	2.91	1146	101	0			87.95	160.80	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 46e8 15fd 2833 0174 11e8 0200 0000 0000 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:39.570	101	2	3507	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+24.20	-29.25	140	37.95	1597 140	37.96	101.70	127.41	221	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:39.570	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0c19 f160 0000 0000
		0000 0000 0000 63d7 25f5 0747 63d7 25f5 0000 196d 1fda 0fbd 0065 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK	AIRCRAFT	SENSOR	----BEACON CODE---		CONTROLLER	VELOCITY	VELOCITY	LIVE/SIMULATED:
	NUMBER	ID/LINK	NUMBER	ASSIGNED	REPORTED	KEYBOARD	X KNOTS	Y KNOTS	ARR/DEP/OVERFLIGHT:
01:03:39.570	527		2	4676		+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0
+23.36	-27.70	140	36.19	1591 140	36.23	101.30	129.11	116	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1929	+1800	+0	+1929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 3c4a 0000 3c4a 0000 0000 0000 0000 fbf7 0000 0bae f226 0000 0000
		0000 0000 0000 6375 243c 09be 6375 243c 0000 1953 2047 0849 020f 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK	AIRCRAFT	SENSOR	----BEACON CODE---		CONTROLLER	VELOCITY	VELOCITY	LIVE/SIMULATED:
	NUMBER	ID/LINK	NUMBER	ASSIGNED	REPORTED	KEYBOARD	X KNOTS	Y KNOTS	ARR/DEP/OVERFLIGHT:
01:03:39.570	523		2	0646		-232	-91		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
+42.78	-0.38	90	42.75	1029 91	42.77	127.00	150.64	249	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
248	+13229	+13100	+13077	+13015	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:39.570 Active Track Maintenance Msg 1700 0058 0001 96bc 0001 9d6a 0001 98ab 003a 4646 fbf7 ff96 1564 ffcf 0000 0000
ef7a f980 0000 405e 2ac4 01a6 4060 2ac8 003a 1fc0 25a9 11c2 020b 0000 0000 2704
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:39.250	10	7.56	1169	103	4		92.33	158.42	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:39.580	Radar Report Msg	0b01 001c 003a 4710 1715 279b 03c8 1244 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		6.06	1174	103	2		90.94	159.09	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4710 16bc 27c6 0308 1258 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	40.34	1155	102	4				121.94		144.05	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4710 1e7c 2403 142c 120c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	7.72	1170	103	4				92.47		158.34	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4710 171e 2796 03dc 1248 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	3.31	1238	109	2				88.19		160.23	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4710 160c 280f 01a8 1358 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	2.72	1161	102	0				87.72		160.84	0		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 4710 15ee 2836 015c 1224 0200 0000 0000 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	3.03	1171	103	3			88.05		160.64	3		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4710 1603 2829 0184 124c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.94	1194	105	1			90.73		159.00	1		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4710 16af 27c0 02f8 12a8 0201 0100 0001 0000 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.38	1244	109	4			90.88	158.38	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4710 16b8 2798 0330 1370 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
40.50	1251	110	4			119.06	138.84	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:39.580	Radar Report Msg	0b01 001c 003a 474c 1dc4 22b6 1440 138c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
41.03	1275	112	7			118.63	137.31	7			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 474c 1da8 2254 1484 13ec 0207 0700 0005 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.34	1291	113	1			91.41	157.41	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 474c 16da 275a 03ac 142c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:39.780	245	2	5266	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0
+46.76	-5.23	96	47.04	1096 96	47.05	129.64	144.88	159	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+3929	+3800	+0	+3929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:39.780	Active Track Maintenance Msg	1700 0058 0000 7aca 0000 7aca 0000 0000 0000 0000 fbf7 0000 1761 fd63 0000 0000
		0000 0000 0000 4489 2f0c 0ab6 4489 2f0c 0000 2069 2438 0b5d 00f5 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:03:39.790	394	N121NA	2	1320	1320	1X	-118	+20	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+19.37	-3.17	99	19.56	1131 99	19.63	103.69	153.86	120	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
279	+5929	+5800	+5800	+5800	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:39.790	Active Track Maintenance Msg	1700 0058 0000 b540 0000 b94a 0000 b540 003a 46b7 fbf7 0000 09af fe6a 0000 0000
		f78f 0173 0000 46b0 13a2 02d0 46a0 13a0 0000 19ec 2677 0891 018a 0000 0000 0000
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 02d0 0015 003c 003c 003c 0000 023d 0000
		0000 0000 0000 0000 0000 0024 0005 0000 0000 0000 02db 0000 001a 015e 018a 0099
		018b 0027 0000 0113 0248 0168 0000 0000 0000 0000 0000 0000 0000 020e ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000
		0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 a4ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
		0001 0000 0000 0043 5041 3434 0000 0000 5241 4c00 5344 3800 2020 2020 2020 2020
		2020 0000 4e31 3231 4e41 0000 0000 0036 3932 0000 0058 0000 0000 0020 0000 0046
		3036 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:39.790 519 2 1631 -154 -109 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+52.95 -9.09 99 53.71 1133 100 53.70 134.66 139.63 189 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
234 +8029 +7900 +7900 +7900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 f6e2 0000 faea 0000 f6e2 003a 46bc fbf7 0000 1a79 fb74 0000 0000
f503 f83b 0000 46dc 35b3 0399 46f0 35b8 1202 21aa 22e8 0d75 0207 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:39.790	298	2		0771	-204	-80			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+29.66	-5.52	100	30.13	1144 101	30.16	113.03	149.00	220	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
248	+9829	+9700	+9662	+9606	-12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 2c33 0001 332a 0001 2df5 003a 46c7 fbf7 ffa0 0ed5 fd3e 0000 0000
		f16f fa4b 0000 4784 1e2a 01f9 4780 1e2c 0000 1c42 2540 0fa5 012a 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:39.790	3	2		7220	+327	+383			RADAR-ONLY: NO

FIRMNESS: 34

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+36.66	+23.84	57	43.68	644 57	43.70	127.11	175.56	504	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
40	+24500	+24500	+24503	+24633	+28	+0	11001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0003 01c8 0002 fda0 0002 fdb9 003a 4499 0000 00e1 1254 0bec 0000 0000
174a 1b40 0000 284f 2bb2 0e90 2880 2bbc 0000 1fc7 2be4 23d9 0003 0000 0000 0000
0419 2200 0203 1001 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:39.580	12	15.41	1377	121	4		96.47		150.86	4			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:39.790	Radar Report Msg	0b01 001c 003a 47ce 181e 25b7 07b4 1584 0204 0400 0004 0101 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		35.47	1439	126	5		107.98		134.23	5			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 47ce 1aff 218f 11bc 167c 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	32.97	1402	123	4		107.84		137.41		4			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 47ce 1af6 225a 107c 15e8 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	25.31	1483	130	3		100.25		141.14		3			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 47ce 1910 2349 0ca8 172c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	38.78	1457	128	7		109.22		131.00		7			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:39.800	Radar Report Msg	0b01 001c 003a 4846 1b4e 20c0 1364 16c4 0207 0700 0005 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	51.34	1500	132	4		114.08		119.03		4			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg	0b01 001c 003a 4846 1c85 1dc2 19ac 1770 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	17.34	1539	135	7			94.42		146.88		7		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4846 179b 24b8 08ac 180c 0207 0700 0003 0302 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:39.890	389		2	1654	-179	-19			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
+43.57	-14.69	108	45.97	1236 109	45.92	124.19	136.59	180	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
264	+8029	+7900	+7893	+7749	-31	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:39.890	Active Track Maintenance Msg	1700 0058 0000 f22b 0000 faea 0000 f6ab 003a 472e fbf7 ff08 15c9 f8a8 0000 0000
		f335 fea5 0000 4d49 2deb 03ac 4d40 2dfc 0000 1f0c 2226 0cdd 0185 0000 0000 001c
		091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:39.890	339		2	2201	-215	-83			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+49.77	-12.30	103	51.23	1184 104	51.16	130.78	137.34	230	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
248	+8929	+8800	+8818	+8730	-25	-2	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0001 10d1 0001 170a 0001 1392 003a 46f1 fbf7 ff38 18e2 f9da 0000 0000
f0b6 fa0e ffec 4a00 3329 0481 49e0 3344 0006 20b2 2256 1067 0153 0000 0000 2d7a
041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:39.890	590	2	4624		-10	-104			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
+34.03	-14.52	113	36.96	1287 113	37.02	115.02	139.17	104	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
185	+3029	+2900	+2904	+2907	+0	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 5adf 0000 5eaa 0000 5ac1 003a 4767 fbf7 0006 1104 f8be 0000 0000
ff44 f897 0000 5077 2506 0994 5070 2500 0000 1cc1 22cb 0773 024e 0000 0000 2d7a
081f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:39.890 207 N8451R 2 4647 4647 1X -104 +16 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+7.08 -2.86 111 7.60 1274 112 7.64 91.86 157.30 105 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
279 +6029 +5900 +5900 +5899 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 b85f 0000 bc6a 0000 b862 003a 475a fbf7 0000 038a fe92 0000 0000
f895 0131 0000 4fa4 07a5 09a7 4fb0 07a4 0000 16f7 2753 0783 00cf 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09a7 0015 003c 003c 003c 0028 0068 0000
0000 0000 0000 0000 0000 0026 0001 0000 0000 0000 00b0 0000 0037 00e1 00cf 0041
0000 0044 0000 01bb 0036 00bd 0000 0000 0000 0000 0000 0000 0000 020c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102

0001 0000 0000 0043 5032 3841 0000 0000 504f 4300 5656 5600 2020 2020 2020 2020
2020 0000 4e38 3435 3152 0000 0000 0036 3633 0000 0058 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:39.890	280	2		6737	+516	+110			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID
+51.96	-19.59	110	55.50	1257 111	55.49	130.94	129.83	528	ALTITUDE: YES

FIRMNESS: 10

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
78	+26900	+26900	+26915	+27049	+29	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0003 4d4c 0003 48a0 0003 4919 003a 4748 0000 00e9 19fb f635 0000 0000
24c2 07d8 0000 4e98 377d 0ddf 4eb0 3788 0001 20bc 2075 2596 0118 0000 0000 59ac
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:39.890 55 2 7230 -246 -81 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+15.48 -10.91 125 18.88 1425 125 18.92 97.98 147.38 260 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
251 +4529 +4400 +4396 +4267 -27 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:03:39.890 Active Track Maintenance Msg 1700 0058 0000 855e 0000 8d8a 0000 8966 003a 4802 fbf7 ff21 07be fa8c 0000 0000
ee71 fa34 0000 5912 12ec 0e98 5900 12f0 0000 187f 24d8 127e 0037 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:39.890 431 2 2734 -22 -132 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+32.89 -19.38 120 38.16 1371 121 38.15 112.67 134.77 134 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
189	+1929	+1800	+1842	+1772	-15	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 3766 0000 3c4a 0000 3993 003a 47c6 fbf7 ff87 1072 f650 0000 0000 fe5f f694 0000 55b9 2627 05dc 55b0 262c 0746 1c2b 21b1 0990 01af 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:39.670	13	23.44	1568	138	5		96.56		141.09	5		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:39.900	Radar Report Msg	0b01 001c 003a 488c 1824 2346 0bb8 1880 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
16.16	1531	135	3			93.98	148.02	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 488c 177f 2501 0814 17ec 0203 0300 0004 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
23.91	1531	135	3			97.97	141.33	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 488c 187e 2355 0bf4 17ec 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:40.110	321	2	4665	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+40.66	-3.62	95	40.78	1081 95	40.82	124.16	147.98	182	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
0	+3029	+2900	+0	+3029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:40.110	Active Track Maintenance Msg	1700 0058 0000 5eaa 0000 5eaa 0000 0000 0000 0000 fbf7 0000 1454 fe31 0000 0000

0000 0000 0000 439d 28d1 09b5 439d 28d1 0000 1f0a 24ff 0cf6 0141 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:40.230	329	2	4657		-139	+178			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+24.72	-25.56	136	35.54	1546 136	35.57	103.20	130.86	226	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
322	+7029	+6900	+6900	+6900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:40.230	Active Track Maintenance Msg	1700 0058 0000 d7a0 0000 dbaa 0000 d7a0 003a 488c fbf7 0000 0c5c f338 0000 0000
		f617 0caa 0000 60a9 2393 09af 60b0 2390 003a 19cd 20b7 1015 0149 0000 0000 1958
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:40.230	561	2	4745	-151	+122				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+17.23	-17.82	136	24.75	1546 136	24.80	97.92	140.23	194	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
308	+5829	+5700	+5699	+5600	-21	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 af03 0000 b62a 0000 b21b 003a 488c fbf7 ff55 089e f717 0000 0000
		f53b 08ae 0000 60ae 18ce 09e5 60b0 18cc 003a 187b 230f 0dd5 0231 0000 0000 17f2
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:40.230	278	2	4613	+255	+85				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+16.79	-21.44	142	27.20	1617 142	27.22	96.58	136.86	269	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
71	+6029	+5900	+5911	+5913	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 b8ce 0000 bc6a 0000 b8be 003a 48d8 fbf7 0003 0865 f548 0000 0000
122c 0611 0000 6516 1b39 098b 64f0 1b3c 003a 1825 2237 1328 0116 0000 0000 0406
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:40.230	328	2	6655		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+20.13	-22.41	138	30.09	1570 138	30.12	99.53	135.05	166	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1529	+1400	+0	+1529	+0	+0	11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:40.230	Active Track Maintenance Msg	1700 0058 0000 2fca 0000 2fca 0000 0000 0000 0000 fbf7 0000 0a11 f4cc 0000 0000 0000 0000 0000 622c 1e1f 0dad 622c 1e1f 0000 18e2 21c3 0bd0 0148 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:39.990	15	28.19	1609	141	7		97.17	136.11	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:40.230	Radar Report Msg	0b01 001c 003a 4986 184b 2207 0e18 1924 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.19	1719	151	5			86.98	157.05	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4986 15bf 2743 0298 1adc 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	3.97	1720	151	2			86.66	158.31	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:40.230	Radar Report Msg	0b01 001c 003a 499a 15aa 2794 01fc 1ae0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	24.41	1780	156	6				89.52		137.77	6		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 499a 1661 2271 0c34 1bd0 0206 0600 0004 0302 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	5.03	1763	155	1				86.63		157.14	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 499a 15a8 2749 0284 1b8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	4.13	1809	159	4				86.19		158.05	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 499a 158c 2783 0210 1c44 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	22.84	1827	161	3					87.66			139.13	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:40.240	Radar Report Msg	0b01 001c 003a 49d6 15ea 22c8 0b6c 1c8c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	21.50	1817	160	5					87.86			140.50	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 49d6 15f7 2320 0ac0 1c64 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.09	1786	157	2					86.31			158.11	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 49d6 1594 2787 020c 1be8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS

4.06 1819 160 3 86.13 158.11 3 RT 2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 49d6 1588 2787 0208 1c6c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	ALT NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
4.06	1857	163	4			85.91		158.09		4		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 49d6 157a 2786 0208 1d04 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	ALT NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
5.38	1883	165	1			85.75		156.70		1		RT	2					

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CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Radar Report Msg 0b01 001c 003a 49d6 1570 272d 02b0 1d6c 0201 0100 0001 0000 1d00 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:40.330 98 2 3253 +87 -171 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+8.38 -10.18 140 13.14 1595 140 13.23 91.30 149.88 192 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
152 +5229 +5100 +5083 +5019 -8 +2 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:03:40.330 Active Track Maintenance Msg 1700 0058 0000 9cd8 0000 a36a 0000 9ed8 003a 48c6 fbf7 ffbe 0431 fae9 0000 0000
063d f3d2 0013 63b5 0d3c 06ab 63f0 0d30 0000 16d3 2578 0daf 0062 0000 0000 2a67
041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:40.330 7 2 1275 -8 +10 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 0
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: NO
+41.63 -14.46 109 44.05 1240 109 44.10 122.36 137.31 13 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW

319 +0 +0 +0 +0 +0 00000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 0000 0000 0000 0000 0000 003a 4735 0000 0000 14d1 f8c5 0000 0000 ff60 00bb 0000 4d8e 2c1a 02bd 4da0 2c14 a007 1e97 2254 00f6 0007 0000 0000 286c 0000 2600 0203 1000 0300 0100 0000 0001 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:40.130	16	9.72	1891	166	3		85.63	152.25	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:40.340	Radar Report Msg	0b01 001c 003a 4a58 1568 2610 04dc 1d8c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		6.41	1886	166	2		85.72	155.63	2		RT	2			

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4a58 156e 26e8 0334 1d78 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	21.94	1892	166	7			85.39	139.95	7		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4a58 1559 22fd 0af8 1d90 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.00	1890	166	4			85.72	158.17	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4a58 156e 278b 0200 1d88 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.41	1978	174	1			85.16	157.77	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4a6c 154a 2771 0234 1ee8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS

4.16 2003 176 1 85.05 158.06 1 RT 2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4a6c 1543 2784 0214 1f4c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:40.450	530	2	4643		-279	+179			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+22.91	-44.16	152	49.70	1734 152	49.75	96.72	113.42	332	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
302	+20000	+20000	+20000	+20000	+0	+0	11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:40.450	Active Track Maintenance Msg	1700 0058 0002 7100 0002 7100 0002 7100 003a 4961 0000 0000 0b75 e9ec 0000 0000 ec17 0cc8 0000 6c6b 31bf 09a3 6c80 31c0 0000 182e 1c5b 17a9 0212 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:40.450	312	2	3220			-145	-41		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+6.58	-14.35	155	15.74	1771 156	15.79	88.50	146.28	151	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	SLID Z FT/SEC/SEC	ALT WINDOW
254	+1529	+1400	+1357	+1235	-26	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 269e 0000 2fca 0000 2a69 003a 4985 fbf7 ff30 034a f8d3 0000 0000 f5a3 fd04 0001 6eb3 0fca 0690 6e80 0fcc 0407 1620 2492 0ac9 0138 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:40.450	406	2	4622			-152	-2		RADAR-ONLY: NO

FIRMNESS: 37

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+12.05	-21.95	151	25.00	1721 151	25.06	91.86	137.55	152	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
269	+4029	+3900	+3900	+3900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 79e0 0000 7dea 0000 79e0 003a 4950 fbf7 0000 0606 f506 0000 0000 f52b ffd6 0000 6b91 1910 0992 6b90 190c 0406 16f7 2263 0ad5 0196 0000 0000 0000 0a1f 2500 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:40.450	176	2	4772		+159	+46			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: YES
+3.36	-10.55	162	11.01	1845 162	11.09	86.34	150.80	165	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
73	+4829	+4700	+4650	+4559	-19	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 8e7a 0000 96ea 0000 9150 003a 49dd fbf7 ff64 01ae faba 0000 0000 0b51 0350 0000 7350 0b16 09fa 7370 0b14 1d00 1596 25b3 0bcb 00b0 0000 0000 556c 031f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:40.240	17	5.34	2094	184	2		84.13	157.00	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:40.450	Radar Report Msg	0b01 001c 003a 4ac6 1508 2740 02ac 20b8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:40.440	18	11.34	2152	189	5		81.23	151.55	5		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:40.680	Radar Report Msg	0b01 001c 003a 4b3e 144f 25e3 05ac 21a0 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.44	2219	195	1					83.72		158.23	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:40.680	Radar Report Msg	0b01 001c 003a 4b98 14ee 278f 0238 22ac 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	31.47	2159	190	5					72.77		133.22	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4b98 1231 214e 0fbc 21bc 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:40.770	160	2	4645		+189	+298			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
+2.27	-14.69	171	14.86	1952 172	14.86	84.27	147.19	353	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
32	+12729	+12600	+12598	+12870	+59	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:40.770	Active Track Maintenance Msg	1700 0058 0001 9232 0001 8dca 0001 89b4 003a 4a4f fbf7 01d8 0123 f8a8 0000 0000 0d7b 153d 0000 7a02 0edc 09a5 79c0 0edc a006 1511 24cc 1927 00a0 0000 0000 003c 071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:40.770	310	2	1051		+434	+99			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+4.84	-32.33	171	32.67	1952 172	32.68	82.28	129.52	445	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
77	+21400	+21400	+21429	+21594	+35	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0002 a2d0 0002 9cc0 0002 9da9 003a 4a52 0000 011d 026c efd6 0000 0000
1ee7 070b 0000 7a07 20af 0229 79f0 20b0 0000 1492 2061 1fb2 0136 0000 0000 eb0c
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:40.770	219	2	1060		-404	-140			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+1.91	-17.05	173	17.10	1975 174	17.16	83.44	145.80	428	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
250	+35000	+35000	+35000	+35000	+0	+0	11111

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CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0004 45c0 0004 45c0 0004 45c0 003a 4a6d 0000 0000 00f5 f77a 0000 0000
e338 f606 0000 7b75 112a 0230 7b70 1128 0000 14dc 2473 1e76 00db 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:40.770 449 2 7242 -308 +151 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+0.68 -34.22 179 34.19 2035 179 34.24 77.86 128.95 343 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
296 +32600 +32600 +32593 +32673 +17 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0003 fd0f 0003 fac0 0003 fa8e 003a 4ab1 0000 008b 0057 eee4 0000 0000
ea10 0abd 0000 7f37 223d 0ea2 7f30 223c 0000 1377 203d 186d 01c1 0000 0000 ba5c
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:40.770 580 2 4614 -61 +49 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+0.00 -18.45 180 18.44 2049 180 18.45 81.09 144.00 78 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
308	+4629	+4500	+4480	+4532	+11	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 8da5 0000 90aa 0000 8c04 003a 4ac0 fbf7 005b 0000 f6c7 0000 0000 fba7 037e 0000 8017 1272 098c 7fff 1274 003a 1446 2400 0593 0244 0000 0000 2259 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:40.570	19	4.59	2301	202	5		83.17		158.39	5		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:40.900	Radar Report Msg	0b01 001c 003a 4c2e 14cb 2799 024c 23f4 0205 0500 0003 0102 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	49.16	2459	216	4			47.70	130.78	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4c2e 0bed 20b2 1894 266c 0204 0400 0005 0003 1d00 0000
01:03:40.990	Delete Flight Data Msg	1809 0008 010c 0200

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:40.780	20	12.72	2490	219	4		75.61	154.33	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:41.000	Radar Report Msg	0b01 001c 003a 4ce2 12e7 2695 065c 26e8 0204 0400 0004 0101 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	29.53	2522	222	7			61.22	145.48	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4ce2 0f4e 245f 0ec4 2768 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.47	2500	220	1			79.83	157.58	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4ce2 13f5 2765 03bc 2710 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	5.56	2532	223	1		81.28	158.95	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4ce2 1452 27bd 02c8 2790 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	5.56	2507	220	1		81.39	158.78	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4ce2 1459 27b2 02c8 272c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	23.16	2539	223	3		66.20	149.53	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:41.000	Radar Report Msg	0b01 001c 003a 4cec 108d 2562 0b94 27ac 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:41.110	49	2	6311	+362	-86				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-11.66	-43.95	194	45.45	2216	195	45.46	63.38	122.31	372 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC WINDOW
103	+11129	+11000	+11033	+10898	-29	+0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:41.110	Active Track Maintenance Msg	1700 0058 0001 5492 0001 5bca 0001 58cd 003a 4b7e fbf7 ff15 fa2c ea06 0000 0000 19c0 f9d1 0000 8a8c 2d76 0cc9 7fff 2d78 0003 0fd8 1e94 1a7b 0031 0000 0000 0100 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	5.97	2581	227	4		80.70	159.09	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:41.110	Radar Report Msg	0b01 001c 003a 4cf6 142d 27c6 02fc 2854 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:41.340	379	2	6312	+280	+5				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-7.26	-12.50	210	14.45	2389 210	14.45	75.63	151.63	280	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
89	+9229	+9100	+9140	+9055	-18	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:41.340	Active Track Maintenance Msg	1700 0058 0001 1af9 0001 206a 0001 1da6 003a 4c41 fbf7 ff6b fc5f f9c0 0000 0000
		13f6 005d 0000 9555 0e72 0cca 7fff 0e74 010e 12e8 25e8 13f7 017b 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:41.340	8	2	1273		+0	+0			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-37.78	-33.20	228	50.26	2602 229	50.30	40.81	139.30	0	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
180	-899	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:41.340	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e3e1 ffff e3e1 003a 4d2f 0000 0000 ed1c ef66 0000 0000
		0001 fffd 0000 a2a0 324c 02bb 7fff 324c 0000 0a34 22d3 0003 0008 0000 0000 0000
		0a1f 2603 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:41.340	173	2	6307		+501	-223			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-14.21	-11.19	231	18.07	2636 232	18.10	69.91	154.92	549	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
114	+33000	+33000	+33000	+33000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0004 0740 0004 0740 0004 0740 003a 4d56 0000 0000 f8e5 fa68 0000 0000
23b0 f015 0000 a4cf 1219 0cc7 7fff 1218 0000 117a 26bb 2714 00ad 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:41.340	361	2	1022		-190	-86			RADAR-ONLY: NO

FIRMNESS: 24

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-2.38	-16.88	188	17.04	2139 188	17.04	79.20	146.11	209	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
245	+2829	+2700	+2678	+2882	+51	+3	01111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 5a17 0000 586a 0000 53b4 003a 4b26 fbf7 019a fed0 f78f 0000 0000
		f273 f9dd 0018 85b5 110b 0212 7fff 110c 0000 13cd 2487 0ee0 0169 0000 0000 3932
		040f 1800 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:03:41.120	23	6.78	2634	232	4			79.73	159.17	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:41.350	Radar Report Msg	0b01 001c 003a 4ddc 13ef 27cb 0364 2928 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
		20.59	2634	232	3			66.98	153.55	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4ddc 10bf 2663 0a4c 2928 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
		10.38	2642	232	4			76.33	157.81	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4ddc 1315 2774 0530 2948 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
8.66	2660	234	3							77.84		158.70	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4ddc 1376 27ad 0454 2990 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
7.22	2667	234	1							79.19		159.31	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4ddc 13cc 27d4 039c 29ac 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
8.72	2746	241	4							77.44		159.77	4		RT	2		

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4ddc 135c 27f1 045c 2ae8 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	24.72	2763	243	3					61.67	156.50	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:41.350	Radar Report Msg	0b01 001c 003a 4e36 0f6b 2720 0c5c 2b2c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	15.75	2746	241	2					70.56	158.05	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4e36 11a4 2783 07e0 2ae8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	29.97	2782	245	5					56.38	156.22	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4e36 0e18 270e 0efc 2b78 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS

12.00	2835	249	3		73.94	160.56	3	RT	2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4e36 127c 2824 0600 2c4c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
2.00	2798	246	5			84.59	161.64	5				RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4e36 1526 2869 0100 2bb8 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
15.06	2861	251	4			70.81	160.83	4				RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4e36 11b4 2835 0788 2cb4 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:41.440	304	2	7342		-317	+160			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-27.50	-20.86	232	34.48	2648 233	34.51	54.31	148.81	355	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
296	+35000	+35000	+35001	+35002	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:41.440	Active Track Maintenance Msg	1700 0058 0004 45d5 0004 45c0 0004 45cb 003a 4d64 0000 0002 f240 f592 0000 0000
		e96c 0b6e 0000 a588 2282 0ee2 7fff 2284 0000 0d94 2534 194e 0130 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:41.440	586	2	4673		+322	+9			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-18.80	-12.11	237	22.29	2699 237	22.38	64.56	154.91	322	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW

88 +10329 +10200 +10203 +10123 -17 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 3c5d 0001 42ca 0001 3edf 003a 4d9c fbf7 ff76 f69a f9f2 0000 0000 16eb 00b2 0000 a8b2 1661 09bb 7fff 165c 0000 1024 26ba 16ed 024a 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	SYSTEM Y NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	14.78	2928	257	4		71.08	162.34	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 4ea4 11c5 2896 0764 2dc0 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:41.560	275		2	0257		+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+35.70	+0.59	89	35.69	1013 89	35.71	120.44	153.31	91	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
0	+1829	+1700	+0	+1829	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:41.560	Active Track Maintenance Msg	1700 0058 0000 392a 0000 392a 0000 0000 0000 0000 fbf7 0000 11da 004b 0000 0000
		0000 0000 0000 3f54 23b5 00af 3f54 23b5 0000 1e1c 2654 0683 0113 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM PROC	STR	SC	TYP	SYS
01:03:41.340	24	15.31	2997	263	4		70.69	163.97	4	RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:41.570	Radar Report Msg	0b01 001c 003a 4f1c 11ac 28fe 07a8 2ed4 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:41.670	319	OPT708	2	4725	4725	1W	+118	+28	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
-1.00	-0.62	240	1.14	2711 238	1.17	84.64	161.50	121	INHIBIT MSAW PROCESS: NO
									INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
76	+1029	+900	+870	+814	-12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:41.670	Active Track Maintenance Msg	1700 0058 0000 1972 0000 202a 0000 1b37 003a 4dab fbf7 ff9f ff80 ffb1 0000 0000
		086e 0206 0000 a977 012b 09d5 7fff 012c 0520 1529 2860 08ab 013f 0000 0000 0000
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0004 0000 0000 0000 0202 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0003
0000 0200 0000 0600 0000 0000 0000 0000 8000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09d5 0003 0122 ffff ffff 002a 0168 0000
0000 0000 0000 02b8 0000 0001 0001 0000 0000 0000 005b 0000 0096 00f5 013f 0092
0000 00be 0000 010d 008c 01a6 0000 0000 0000 0000 0000 0000 0000 022e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0001 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 03ff 0100 0000 0000 0000 0000 0100 0000 0000 0001 0001 0502
0001 0000 0000 0031 4245 3430 0000 0000 504d 4400 4255 5200 2020 2020 2020 2020
2020 0000 4f50 5437 3038 0000 0000 0032 3931 0000 0057 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:41.670 591 N31F 2 0260 0260 1Y +41 +78 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-7.90 -3.16 248 8.47 2822 248 8.54 77.31 160.77 88 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: YES
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
28 +2029 +1900 +1854 +1835 -4 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 395c 0000 3f6a 0000 39f7 003a 4e27 fbf7 ffdf fc0d fe6b 0000 0000

02f4 0593 0000 b06f 0889 00b0 7fff 0884 3c03 1354 2831 064f 024f 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 00b0 008a 0104 ffff ffff 003d 000e 0000
0000 0000 0000 0000 0000 008a 008a 0000 0000 0000 0000 0000 00c9 0215 024f 015c
0000 00b1 0000 013a 00d7 00d5 0000 0000 0000 0000 0000 0000 0000 0448 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0004 2020 2fff 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0702
0001 0000 0000 0043 0000 0000 0000 0000 0000 0000 564e 5900 2020 2020 2020 2020
2020 0000 4e33 3146 0000 0000 0000 0000 0000 0000 0059 0000 0000 0020 564e 5900
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:41.880 545 N4171H 2 4706 4706 0 -157 -33 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-22.42 -5.66 255 23.07 2910 256 23.13 62.66 162.05 160 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
258 +4029 +3900 +3900 +3900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:03:41.880 Active Track Maintenance Msg 1700 0058 0000 79e0 0000 7dea 0000 79e0 003a 4e8a fbf7 0000 f4ca fd2c 0000 0000
f4cf fd9d 0000 b5e5 1721 09c6 7fff 1720 0000 0faa 2883 0b71 0221 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09c6 0000 0028 0028 0028 001e 003d 0000
0000 0000 0000 0000 0000 0001 0003 0000 0000 0000 0068 0000 011a 0115 0221 0235
0000 0000 0000 00a7 0144 0075 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0000 0000 0100 0000 0100 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 21ff 0600 0000 0000 0000 0000 0100 0000 0000 0001 0000 0502
0001 0000 0000 0036 4d32 3050 0000 0000 5748 5000 4f58 5200 2020 2020 2020 2020
2020 0000 4e34 3137 3148 0000 0000 0034 3534 3234 3400 0000 0000 0020 4f58 5200
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: OVR
01:03:41.880 274 N8063T 2 4763 4763 1V +117 +44 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 3
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-17.95 -3.52 259 18.27 2945 259 18.30 67.53 162.98 125 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
69 +6529 +6400 +6355 +6525 +36 +0 11101

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 cbe8 0000 cc0a 0000 c698 003a 4eb2 fbf7 0127 f706 fe3e 0000 0000
0852 0327 0000 b81b 124c 09f3 7fff 124c 0000 10e2 28bf 08e6 0112 0000 0000 0000
031d 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09f3 0005 0032 ffff 0032 002c 022a 0000
0000 0000 0000 018b 0000 0003 0015 0000 0000 0000 00ae 0000 0070 0245 0112 00cb
0000 002d 0000 0194 0133 0144 0000 0000 0000 0000 0000 0000 0000 042f ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 00ff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0036 5041 3332 0000 0000 4f58 5200 4844 4600 2020 2020 2020 2020
2020 0000 4e38 3036 3354 0000 0000 0030 3030 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:41.880 297 2 1056 -13 +96 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-41.07 -2.71 266 41.15 3029 266 41.17 45.38 169.63 97 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
351 +5729 +5600 +5566 +5634 +14 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 b014 0000 b30a 0000 adf4 003a 4f0f fbf7 0077 eb77 fea5 0000 0000

ff04 06dd 0000 bd58 292b 022e 7fff 2928 0000 0b58 2a68 06ef 0129 0000 0000 e4e4
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:41.670	26	12.84	3146	277	1		73.88		166.44	1			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:41.890	Radar Report Msg	0b01 001c 003a 5002 1278 299c 066c 3128 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		13.75	3120	274	4		72.84		166.25	4			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5002 1236 2990 06e0 30c0 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	13.41	3130	275	1			73.23	166.34	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5002 124f 2996 06b4 30e8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	11.59	3211	282	3			75.52	167.03	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5002 12e1 29c2 05cc 322c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.13	3256	286	2			77.17	166.97	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:41.900	Radar Report Msg	0b01 001c 003a 500c 134b 29be 0510 32e0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.13	3235	284	1			77.02	166.69	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg	0b01 001c 003a 500c 1341 29ac 0510 328c 0201 0100 0001 0000 1d00 0000	

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	14.09	3290	289	1			74.13		169.63		1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:41.910	Radar Report Msg	0b01 001c 003a 5066 1288 2a68 070c 3368 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:42.000	475	N6887L	2	4714	4714	1W	+183	+32	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4
-19.91	-1.50	265	19.93	3023 266	19.98	66.14	165.44	186	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
79	+4929	+4800	+4816	+4816	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:42.000	Active Track Maintenance Msg	1700 0058 0000 9687 0000 9a0a 0000 9687 003a 4f08 fbf7 0000 f60b ff40 0000 0000
		0d0e 0258 0000 bcf4 13fb 09cc 7fff 13f8 0001 1089 295c 0d43 01db 0000 0000 4e2c
		041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0004 0000 0000 0000 0000 0000 0000
		0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 2000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09cc 0003 0000 ffff 0032 0038 0253 0000
		0000 0000 0000 00b2 0000 0003 0000 0000 0000 0000 00f2 0000 0014 0138 01db 00c3
		0000 01ee 0000 0062 0054 01c9 0000 0000 0000 0000 0000 0000 0000 025c ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
		0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 1dff 0600 0000 0000 0000 0000 0100 0000 0000 0001 0001 0502
		0001 0000 0000 0036 4334 3231 0000 0000 4f58 5200 4343 4200 2020 2020 2020 2020
		2020 0000 4e36 3838 374c 0000 0000 0037 3937 0000 0057 0000 0000 0020 0000 0000
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:42.000 87 CPF420 2 4664 4664 1X +78 -65 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-5.19 +0.00 270 5.19 3072 270 5.20 80.78 163.14 102 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
129 +4829 +4700 +4689 +4742 +11 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 9437 0000 96ea 0000 928a 003a 4f40 fbf7 005d fd68 0000 0000 0000
059a fb56 0000 c006 0532 09b4 7fff 0530 a012 1432 28c9 074a 0057 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09b4 0015 0032 0032 0032 003c 017c 0000
0000 0000 0000 0000 0000 0001 0026 0000 0000 0000 00ed 0000 01b0 009b 0057 0201
0000 016b 0000 0010 0184 0185 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2eff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 4332 3036 0000 0000 5748 5000 544f 4100 2020 2020 2020 2020
2020 0000 4350 4634 3230 0000 0000 0035 3634 0000 0058 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:42.000 9 2 1275 -7 -5 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-12.52 -11.01 228 16.65 2602 229 16.66 70.86 154.36 9 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
232 -470 -599 -599 -599 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 ffff ed41 ffff f14b ffff ed41 003a 4d2f fbf7 0000 f9bd fa7f 0000 0000

ff7c ff9c 0000 a2a6 10a8 02bd 7fff 10ac a012 11b7 2697 00a6 0009 0000 0000 000c
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

01:03:42.000 Delete Track Msg 1704 0008 00e4 0910

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:42.000	362	2	0006		+317	-313			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
-28.55	+3.70	277	28.73	3157 277	28.76	59.19	172.61	446	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
134	+16029	+15900	+15883	+15639	-52	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:42.000	Active Track Maintenance Msg	1700 0058 0001 e8bb 0001 f4ea 0001 f05b 003a 4f9e fbf7 fe5b f1b9 01da 0000 0000
		1695 e9b7 0001 c550 1cc3 0006 7fff 1ccc 0b02 0ecc 2b27 1fba 016a 0000 0000 0dad
		081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:42.000	84	N774CS	2	3376	3376	1W	+146	-156	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-22.72	+6.14	285	23.50	3244 285	23.54	65.39	173.52	214	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: YES

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
137	+10129	+10000	+9995	+9963	-6	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 375f 0001 3c8a 0001 385f 003a 5001 fbf7 ffc9 f4a4 0312 0000 0000
		0a6c f4d7 0000 cac5 178a 06fe 7fff 1788 0b02 1059 2b61 0f45 0054 0000 0000 098b
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 06fe 0003 012c ffff f830 0037 01ab 0000
		0000 0000 0000 013a 0000 0007 002e 0000 0000 0000 00a9 0000 0215 0249 0054 0250
		0000 0000 0000 005e 0091 014a 0000 0000 0000 0000 0000 0000 0000 03cb ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000
		0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2056 2eff 0000 0000 0000 0000 0000 0101 0003 0000 0001 0001 0502

0001 0000 0000 0043 4332 3130 0000 0000 5341 3900 544f 4100 2020 2020 2020 2020
2020 0000 4e37 3734 4353 0000 0000 0036 3032 0000 0057 0000 0000 0020 0000 004f
4646 5620 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:41.760	27	7.38	3342	294	5			80.13	166.31	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:42.000	Radar Report Msg	0b01 001c 003a 50c0 1408 2994 03b0 3438 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
		7.19	3419	300	4			80.83	166.81	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 50c0 1435 29b4 0398 356c 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:42.100	424	2		7234		+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0
-0.20	-15.98	180	15.94	2056	181	15.98	81.50	146.44	158

INHIBIT MSAW PROCESS: VALID ALTITUDE: YES

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1129	+1000	+0	+1129	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:42.100	Active Track Maintenance Msg	1700 0058 0000 234a 0000 234a 0000 0000 0000 0000 fbf7 0000 ffe6 f802 0000 0000
		0000 0000 0000 8084 0ffc 0e9c 8084 0ffc 0000 1460 249c 0b41 01a8 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	7.28	3423	301	4			80.78	166.91	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:42.100	Radar Report Msg	0b01 001c 003a 5138 1432 29ba 03a4 357c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5138 0e1d 3109 1694 3630 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	8.78	3535	311	2						80.86	168.94	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5138 1437 2a3c 0464 373c 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED:
									ARR/DEP/OVERFLIGHT: ARR
01:03:42.320	194	DDA77	2	4043	4043	0	+376	-338	RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6
									VALID ALTITUDE: YES
-45.48	+19.66	293	49.49	3337 293	49.48	46.84	192.31	506	INHIBIT MSAW PROCESS: NO
									INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
132	+20300	+20300	+20294	+19980	-67	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:42.320	Active Track Maintenance Msg	1700 0058 0002 7066 0002 7a60 0002 7a31 003a 506b 0000 fde3 e943 09d5 0000 0000
		1ac4 e7f3 0001 d09b 317a 0823 7fff 318c a010 0bb6 3014 23fc 00c2 0000 0000 0010
		061f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

0000 0000 0000 0000 0000 0000 0000 0000 0823 0000 0136 ffff 0172 003f 0204 0000
0000 0000 0000 0001 0007 0007 0007 0000 0000 0000 00ab 0000 0090 00d5 00c2 0000
0000 0000 0000 00c8 0155 0189 0000 0000 0000 0000 0000 0000 0000 023d ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0001 0000 0000 0000 0100 0000 0100 0000 0100 0000
0100 0000 0001 0000 0001 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0005 2000 2fff 0000 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0102
0001 0000 0000 0043 4c4a 3335 0000 0000 4649 4d00 564e 5900 2020 2020 2020 2020
2020 0000 4444 4137 3700 0000 0000 0033 3535 0000 0000 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE ASSIGNED	BEACON CODE REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:42.320	51	2		1331		-197	+277		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-24.10	+17.02	305	29.46	3473 305	29.52	67.05	184.09	340	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
324	+31000	+31000	+31000	+31000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:42.320	Active Track Maintenance Msg	1700 0058 0003 c8c0 0003 c8c0 0003 c8c0 003a 5103 0000 0000 f3f3 0883 0000 0000 f1f2 13c1 0000 d910 1d85 02d9 7fff 1d84 0000 10c3 2e06 183e 0033 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE ASSIGNED	BEACON CODE REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:42.320	56	2		4752		-140	+179		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-27.36	+21.55	308	34.76	3506 308	34.86	64.80	189.58	227	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
321	+12029	+11900	+11900	+11900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0001 73e0 0001 77ea 0001 73e0 003a 5129 fbf7 0000 f252 0ac6 0000 0000
f601 0cbd 0000 db2f 22db 09ea 7fff 22d4 0000 1033 2f65 1032 0038 0000 0000 0202
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:42.320	384	2	1200		+94	+66			RADAR-ONLY: NO

FIRMNESS: 36

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-34.96	-1.66	267	34.97	3041 267	34.98	51.55	169.09	115	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
55	+5629	+5500	+5500	+5500	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 abe0 0000 afea 0000 abe0 003a 4f1d fbf7 0000 ee85 ff2b 0000 0000
		06bd 04b6 0000 be1b 22fc 0280 7fff 2300 0102 0ce3 2a46 0838 0180 0000 0000 0202
		0a1f 2400 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:42.030	29	5.16	3680	323	4		83.94	166.39	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:42.330	Radar Report Msg	0b01 001c 003a 51ce 14fc 2999 0294 3980 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:42.440	59	2	4603	+0	+0				RADAR-ONLY: NO
									FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0
+53.70	+11.43	78	54.88	887 78	54.89	140.48	159.22	326	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+21900	+21900	+0	+21900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:42.440	Active Track Maintenance Msg	1700 0058 0002 ac60 0002 ac60 0000 0000 0000 0000 0000 0000 1ad9 05b7 0000 0000
		0000 0000 0000 3774 36e5 0983 3774 36e5 0000 231f 27ce 1730 003b 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:03:42.440	Delete Track Msg	1704 0008 005e 0710

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:03:42.220	31	7.72	3811	335	1			84.41	169.27	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:42.450	Radar Report Msg	0b01 001c 003a 528c 151a 2a51 03dc 3b8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
		6.53	3891	342	4			85.39	168.16	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5296 1559 2a0a 0344 3ccc 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:42.540	400	2	4675		-192	-55			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-40.93	+33.16	309	52.61	3516 309	52.64	54.61	204.27	200	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
254	+14029	+13900	+13900	+13900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:42.540	Active Track Maintenance Msg	1700 0058 0001 b260 0001 b66a 0001 b260 003a 5133 fbf7 0000 eb89 1095 0000 0000
		f248 fc0d 0000 dbc2 34a3 09bd 7fff 34b0 4459 0da7 3311 0e46 0190 0000 0000 0001
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:42.540	392	2	7304		-251	+257			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-25.29	+21.27	310	33.00	3528 310	33.04	66.81	188.67	359	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
315	+22700	+22700	+22688	+22844	+33	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0002 c9e7 0002 c560 0002 c506 003a 5141 0000 010f f35b 0aa3 0000 0000
ee23 1252 0000 dc85 2109 0ec4 7fff 210c 1202 10b4 2f2b 1996 0188 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:42.540	322	N900RL	2	3601	3601	1F	-7	-246	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: YES
-10.41	+12.48	320	16.20	3641 320	16.22	78.88	176.53	246	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
181	+7329	+7200	+7250	+7179	-15	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:42.540	Active Track Maintenance Msg	1700 0058 0000 e059 0000 e50a 0000 e290 003a 51c2 fbf7 ff84 facc 063e 0000 0000
		ff77 ee73 0000 e390 1038 0781 7fff 1040 2a4d 13b8 2c22 118f 0142 0000 0000 1fba
		031f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0781 0001 0122 ffff 01c2 0037 01b6 0000
		0000 0000 0000 00ba 0000 0001 008a 0000 0000 0000 008f 0000 012b 00a5 0142 009b
		0000 01c6 0000 01cb 000c 020d 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
		0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 35ff 0100 0000 0000 0000 0000 0100 0003 0000 0001 0001 0702
		0001 0000 0000 0031 474c 4634 0000 0000 504d 4400 5656 5600 2020 2020 2020 2020
		2020 0000 4e39 3030 524c 0000 0000 0035 3736 0000 0046 0000 0000 0020 5656 5600
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:03:42.540	74	N40905	2	6701	6701	0	-59	+68	RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-8.98	+15.51	330	17.89	3754 330	17.95	81.03	179.06	91	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS: NO
									INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
319	+9929	+9800	+9795	+9793	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 3208 0001 364a 0001 321a 003a 523f fbf7 fffd fb83 07c1 0000 0000 fbc5 04e6 0000 eaaf 11f2 0dc1 7fff 11ec a013 1442 2cc4 0679 004a 0000 0000 b8b4 0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000

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CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:03:42.540 Delete Track Msg 1704 0008 00d5 0110
END TIME START TIME TARGET REPORTS: LIVE SIMULATED VALID MODE-C: 0
01:03:42.470 01:03:37.920 RADAR-ONLY 111 0 0.0%
SENSOR = 2 BEACON-ONLY 0 0
RADAR & BEACON 0 0 VALID MODE-3/A: 0
TOTAL 111 0 0.0%

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:03:42.760 Sensor Sector Mark Msg 1715 000c 003a 5386 0000 0200

TARGET REPORTS
STIME SN RANGE ACP DEG QUA BEACON ALT COR SYSTEM SYSTEM PROC STR SC TYP SYS
NM ALT X NM Y NM STAT
01:03:42.470 0 6.66 3962 348 3 86.09 168.28 3 RT 2

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:03:42.770 Radar Report Msg 0b01 001c 003a 537c 1586 2a12 0354 3de8 0203 0300 0001 0203 1d00 0000

TARGET REPORTS
STIME SN RANGE ACP DEG QUA BEACON ALT COR SYSTEM SYSTEM PROC STR SC TYP SYS
NM ALT X NM Y NM STAT
8.63 3977 350 2 86.39 170.30 2 RT 2

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Radar Report Msg 0b01 001c 003a 537c 1599 2a93 0450 3e24 0202 0200 0001 0103 1d00 0000

TARGET REPORTS
STIME SN RANGE ACP DEG QUA BEACON ALT COR SYSTEM SYSTEM PROC STR SC TYP SYS
NM ALT X NM Y NM STAT

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 53cc 1611 2a8b 046c 005c 0202 0200 0001 0103 1d00 0000
01:03:42.880	Delete Track Msg	1704 0008 0242 0810

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:42.880	358	2	7303		+22	+316			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-2.21	+13.00	350	13.18	3986 350	13.16	86.91	174.75	317	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
4	+16029	+15900	+15879	+16064	+46	+2	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:42.880	Active Track Maintenance Msg	1700 0058 0001 f603 0001 f4ea 0001 f03c 003a 5344 fbf7 0176 fee5 0680 0000 0000
		0194 167f 0017 f920 0d2a 0ec3 7fff 0d30 0100 15ba 2bb0 168d 0166 0000 0000 0000
		041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:42.680	2	5.81	22	2	4		87.36	167.19	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:42.890	Radar Report Msg	0b01 001c 003a 5444 15d7 29cc 02e8 0058 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	5.84	58	5	2			87.67	167.13	2				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5444 15eb 29c8 02ec 00e8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	10.31	203	18	3			91.25	170.42	3				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:42.990	Radar Report Msg	0b01 001c 003a 54b2 16d0 2a9b 0528 032c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	10.66	241	21	4			91.94	170.38	4				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 54b2 16fc 2a98 0554 03c4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	17.66	272	24	5					96.73	175.58	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 54b2 182f 2be5 08d4 0440 0205 0500 0003 0102 1d00 0000
01:03:43.200	Delete Track Msg	1704 0008 020d 0110

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:43.320	460	EJA631	2	4757	4757	0	-274	-149	RADAR-ONLY: NO

FIRMNESS: 33

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4
+8.19	+28.55	16	29.65	181	16	29.73	100.89	187.31	312

ALTITUDE VALID: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
241	+13929	+13800	+13816	+13732	-23	-2	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:43.320	Active Track Maintenance Msg	1700 0058 0001 ad21 0001 b34a 0001 afc5 003a 5452 fbf7 ff43 0418 0e47 0000 0000
		ec79 f562 ffee 0b5c 1dbb 09ef 0b60 1db4 003a 1939 2ed4 163a 01cc 0000 0000 0200
		041f 2100 0201 1000 0303 0100 0000 0000 0000 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09ef 0000 0172 ffff ffff 003c 026d 0000
0000 0000 0000 0000 0001 0001 0001 0001 0000 0000 0000 009a 0000 003e 01bd 01cc 01a5
0000 01e5 0000 01c8 005b 0124 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2fff 0100 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0702
0001 0000 0000 0031 4335 3658 0000 0000 504d 4400 564e 5900 2020 2020 2020 2020
2020 0000 454a 4136 3331 0000 0000 0039 3135 0000 0000 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:43.320	451		2	7211	+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+31.81	-23.79	126	39.70	1442 127	39.72	110.47	130.73	126	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+229	+100	+0	+229	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:43.320	Active Track Maintenance Msg	1700 0058 0000 072a 0000 072a 0000 0000 0000 0000 fbf7 0000 0fe8 f41b 0000 0000
		0000 0000 0000 5a29 27b9 0e89 5a29 27b9 0000 1b9e 20af 08fb 01c3 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:43.130	5	7.22	467	41	1		91.58	165.80	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:43.430	Radar Report Msg	0b01 001c 003a 5606 16e5 2973 039c 074c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		7.22	489	43	2		91.72	165.59	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5606 16ee 2966 039c 07a4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	7.41	515	45	1		92.03		165.45	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:43.450	Radar Report Msg	0b01 001c 003a 566a 1702 295d 03b4 080c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:03:43.320	6	4.03	732	64	7		89.39		162.53	7		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 56e2 1659 28a2 0204 0b70 0207 0700 0003 0302 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	3.66	696	61	4			88.95	162.64	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 56e2 163d 28a9 01d4 0ae0 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	3.91	776	68	2			89.30	162.28	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 56e2 1653 2892 01f4 0c20 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:43.640	311	2	3275	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+27.19	-23.14	130	35.69	1483 130	35.70	106.16	132.55	238	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:43.640	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0d98 f46e 0000 0000

0000 0000 0000 5cbb 23b3 06bd 5cbb 23b3 0000 1a8a 2123 10f3 0137 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:43.540	7	42.78	804	71	4		128.38		165.30	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:43.760	Radar Report Msg	0b01 001c 003a 5764 2018 2953 1564 0c90 0204 0400 0005 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:43.990	6	2	1274		+3	+0			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+37.57	+17.84	64	41.57	734 65	41.61	126.64	169.58	3	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
81	-770	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:43.990	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e7eb ffff e3e1 003a 56c0 fbf7 0000 12c9 08ec 0000 0000
		0046 000a 0000 2ded 299d 02bc 2df0 2998 a003 1fa9 2a65 0047 0006 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM X NM	SYSTEM Y NM	PROC STR	SC	TYP	SYS
01:03:43.770	9	3.34	959	84	5		88.67	161.38	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:44.000	Radar Report Msg	0b01 001c 003a 5822 162b 2858 01ac 0efc 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM X NM	SYSTEM Y NM	PROC STR	SC	TYP	SYS
	5.28	973	86	4			90.72	160.94	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:44.000	Radar Report Msg	0b01 001c 003a 58a4 16ae 283c 02a4 0f34 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	29.38	1113	98	7			112.86		150.61	7		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 58a4 1c37 25a7 0eb0 1164 0207 0700 0003 0302 1d00 0000

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:44.080	523	2		0646		-233	-83		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+42.48	-0.45	90	42.44	1031	91 42.47	126.70	150.66	248	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
250	+13129	+13000	+13010	+12947	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:44.080	Active Track Maintenance Msg	1700 0058 0001 9498 0001 9a4a 0001 9691 003a 580d fbf7 ff93 153e ffc7 0000 0000 ef64 fa11 0000 407d 2a79 01a6 4070 2a7c 0000 1fad 25aa 11a3 020b 0000 0000 0b5c 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:43.870	10	8.00	1155	102	1		92.80	158.38	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:44.090	Radar Report Msg	0b01 001c 003a 58fe 1733 2798 0400 120c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	37.16	1122	99	5			119.86	147.16	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 58fe 1df7 24ca 1294 1188 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	40.41	1159	102	5			121.88		143.80	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 58fe 1e78 23f3 1434 121c 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	47.34	1111	98	5			129.53		143.86	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 58fe 2062 23f7 17ac 115c 0205 0500 0005 0102 1d00 0000

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TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	2.94	1123	99	0				88.03		160.86	0		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 58fe 1602 2837 0178 118c 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	7.63	1171	103	4				92.38		158.38	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 58fe 1718 2798 03d0 124c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	3.03	1171	103	3				88.05		160.64	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 58fe 1603 2829 0184 124c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	3.28	1232	108	2				88.17		160.28	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:44.100 Radar Report Msg 0b01 001c 003a 5912 160b 2812 01a4 1340 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	6.34	1235	109	3			90.91		158.47	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5912 16ba 279e 032c 134c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	5.94	1203	106	1			90.70		158.94	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5912 16ad 27bc 02f8 12cc 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	21.22	1235	109	3			103.47	150.23	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5912 19de 258f 0a9c 134c 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:44.200	101	2	3507	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+24.26	-28.99	140	37.75	1593 140	37.80	101.83	127.64	219	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:44.200	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0c21 f181 0000 0000 0000 0000 0000 639c 25cd 0747 639c 25cd 0000 1975 1fe9 0f95 0065 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:44.200	527	2	4676	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
+23.41	-27.59	139	36.14	1589 140	36.18	101.38	129.20	113	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1929	+1800	+0	+1929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 3c4a 0000 3c4a 0000 0000 0000 0000 fbf7 0000 0bb4 f235 0000 0000
		0000 0000 0000 6355 242d 09be 6355 242d 0000 1958 204d 080d 020f 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:44.200	245	2	5266		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+46.68	-5.42	96	46.93	1099 97	46.99	129.52	144.70	161	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+3929	+3800	+0	+3929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 7aca 0000 7aca 0000 0000 0000 0000 fbf7 0000 1757 fd4a 0000 0000 0000 0000 0000 44b6 2efe 0ab6 44b6 2efe 0000 2061 242d 0b76 00f5 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	38.03	1258	111	4			116.80	139.91	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:44.210	Radar Report Msg	0b01 001c 003a 596c 1d33 22fa 1304 13a8 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	29.66	1235	109	3			110.53	145.61	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 596c 1ba2 2467 0ed4 134c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	5.22	1267	111	1			89.78	158.91	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 596c 1672 27ba 029c 13cc 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	6.28	1256	110	2			90.73	158.34	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 596c 16af 2796 0324 13a0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.28	1271	112	5			93.94	155.81	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 596c 177c 26f4 0524 13dc 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	53.97	1301	114	4			127.67	127.88	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5976 1feb 1ff8 1afc 1454 0204 0400 0005 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:03:44.420	394	N121NA	2	1320	1320	1X	-120	+14	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
+19.21	-3.18	99	19.44	1130 99	19.48	103.53	153.91	121	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
276	+5929	+5800	+5800	+5800	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:44.420	Active Track Maintenance Msg	1700 0058 0000 b540 0000 b94a 0000 b540 003a 587e fbf7 0000 099b fe69 0000 0000

f770 0104 0000 46a4 137a 02d0 46b0 1378 0000 19e2 267a 08a0 018a 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 02d0 0015 003c 003c 003c 0000 023d 0000
0000 0000 0000 0000 0000 0024 0005 0000 0000 0000 02db 0000 001a 015e 018a 0099
018b 0027 0000 0113 0248 0168 0000 0000 0000 0000 0000 0000 0000 020e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 a4ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5041 3434 0000 0000 5241 4c00 5344 3800 2020 2020 2020 2020
2020 0000 4e31 3231 4e41 0000 0000 0036 3932 0000 0058 0000 0000 0020 0000 0046
3036 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:44.420	519		2	1631	-161	-94			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+52.76	-9.07	99	53.52	1136 100	53.55	134.48	139.70	187	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
239	+8029	+7900	+7900	+7900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 f6e2 0000 faea 0000 f6e2 003a 5882 fbf7 0000 1a61 fb77 0000 0000
		f47b f94f 0000 4706 358d 0399 46f0 3588 1be0 219f 22ed 0d52 0207 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:44.420	298		2	0771	-204	-77			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+29.41	-5.62	100	29.89	1147 101	29.93	112.77	148.97	218	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
249	+9729	+9600	+9604	+9547	-12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0001 2a5c 0001 300a 0001 2c22 003a 5890 fbf7 ff9f 0eb4 fd31 0000 0000
f171 fa7f 0000 47b6 1ded 01f9 47b0 1df0 0000 1c31 253e 0f90 012a 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:44.420	3	2		+327	+383				RADAR-ONLY: NO

FIRMNESS: 30

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: NO
+37.02	+24.41	56	44.30	644	57	44.34	127.59	176.02	504 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
40	CST	CST	+24503	+24633	+28	+0	11001

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0003 01c8 0002 fda0 0002 fdb9 003a 4499 0000 00e1 1282 0c34 0000 0000 174a 1b40 0000 2840 2c57 0e90 2880 2bbc 0000 1fe6 2c01 23d9 0003 0000 0000 0000 0419 1e00 0203 1001 0303 0000 0000 0001 0100 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:03:44.190	12	42.53	1374	121	5		115.58	131.55	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:44.420	Radar Report Msg	0b01 001c 003a 5a3e 1ce5 20e3 1544 1578 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	15.41	1379	121	3		96.44	150.83	3				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5a3e 181c 25b5 07b4 158c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	28.41	1387	122	3		105.25	141.23	3				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5a3e 1a50 234f 0e34 15ac 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	41.16	1498	132	4			108.56	127.61	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5a3e 1b24 1fe7 1494 1768 0204 0400 0005 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:44.520	339	2	2201		-208	-88			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+49.52	-12.48	104	51.04	1185 104	50.94	130.48	137.23	226	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
247	+8929	+8800	+8787	+8742	-9	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:44.520	Active Track Maintenance Msg	1700 0058 0001 1134 0001 170a 0001 129a 003a 58bb fbf7 ffb3 18c2 f9c2 0000 0000
		f132 f9b2 0000 4a17 32f1 0481 4a10 3310 0006 209f 224f 1018 0153 0000 0000 0100
		051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:44.520	207	N8451R	2	4647	4647	1X	-104	+13	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
+6.95	-2.85	112	7.48	1277 112	7.51	91.73	157.34	105	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
277	+6029	+5900	+5900	+5899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 b85d 0000 bc6a 0000 b860 003a 5923 fbf7 0000 037a fe93 0000 0000
		f88f 00f6 0000 4fd7 0783 09a7 4fe0 0784 0000 16ef 2756 0781 00cf 0000 0000 3032
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09a7 0015 003c 003c 003c 0028 0068 0000
		0000 0000 0000 0000 0000 0026 0001 0000 0000 0000 00b0 0000 0037 00e1 00cf 0041
		0000 0044 0000 01bb 0036 00bd 0000 0000 0000 0000 0000 0000 0000 020c ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
		0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102

0001 0000 0000 0043 5032 3841 0000 0000 504f 4300 5656 5600 2020 2020 2020 2020
2020 0000 4e38 3435 3152 0000 0000 0036 3633 0000 0058 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:44.520	280	2		6737		+516	+130		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+52.71	-19.22	110	56.07	1254 110	56.09	131.75	129.98	532	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
75	+27100	+27100	+27067	+27205	+30	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0003 522f 0003 4ee0 0003 4dd9 003a 5906 0000 00f2 1a5b f664 0000 0000
24bd 094b 0000 4e60 3817 0ddf 4e40 381c 0203 20f0 207f 25e6 0118 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:44.520 590 2 4624 -20 -103 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 9
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+33.99 -14.69 113 36.98 1289 113 37.05 114.92 139.02 105 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
191 +3029 +2900 +2904 +2907 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 5adb 0000 5eaa 0000 5ac5 003a 5931 fbf7 0005 10ff f8a8 0000 0000
fe93 f89d 0000 509a 250d 0994 50a0 2508 a002 1cbb 22c1 0786 024e 0000 0000 000c
091f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:44.520 389 2 1654 -176 -14 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+43.36 -14.70 108 45.73 1237 109 45.73 123.98 136.66 176 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
265	+7829	+7700	+7730	+7581	-32	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 eceb 0000 f4aa 0000 f195 003a 58f5 fbf7 fefd 15ae f8a7 0000 0000 f377 fefd 0000 4d5c 2dbb 03ac 4d50 2dc8 0000 1eff 222a 0c93 0185 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:44.310	13	37.22	1510	133	5		105.80		130.52	5		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:44.530	Radar Report Msg	0b01 001c 003a 5a52 1a73 20a1 129c 1798 0205 0500 0005 0102 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	2.84	1498	132	3			87.06	159.88	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5a52 15c4 27f8 016c 1768 0203 0300 0004 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.16	1528	134	2			87.75	158.55	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:44.550	Radar Report Msg	0b01 001c 003a 5ab6 15f0 27a3 0214 17e0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	23.91	1537	135	4			97.78	141.22	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5ab6 1872 234e 0bf4 1804 0204 0400 0004 0101 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.69	1571	138	3			87.78	157.91	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 5ab6 15f2 277a 0258 188c 0203 0300 0001 0203 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:44.650	55	2	7230		-244	-80			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+15.18	-11.01	126	18.70	1433 126	18.73	97.67	147.34	257	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
251	+4429	+4300	+4278	+4152	-27	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:44.650	Active Track Maintenance Msg	1700 0058 0000 81c5 0000 8a6a 0000 85b7 003a 59d2 fbf7 ff27 0797 fa7f 0000 0000
		ee9f fa3f 0000 599f 12bb 0e98 5990 12c0 a00c 186b 24d6 124f 0037 0000 0000 000c
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	28.22	1608	141	7			97.22	136.09	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:44.650	Radar Report Msg	0b01 001c 003a 5b24 184e 2206 0e1c 1920 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	12.34	1699	149	3			89.14	150.06	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5b24 1649 2584 062c 1a8c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:44.520	14	5.22	1718	151	5		87.00	157.02	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:44.750	Radar Report Msg	0b01 001c 003a 5b92 15c0 2741 029c 1ad8 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	3.94	1715	151	1			86.67	158.34	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg	0b01 001c 003a 5b92 15ab 2796 01f8 1acc 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.03	1763	155	1			86.63		157.14	1			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5b92 15a8 2749 0284 1b8c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:44.860	321	2	4665		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+40.88	-3.57	95	41.03	1080 95	41.03	124.38	147.97	177	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+3029	+2900	+0	+3029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:44.860	Active Track Maintenance Msg	1700 0058 0000 5eaa 0000 5eaa 0000 0000 0000 0000 fbf7 0000 1470 fe37 0000 0000 0000 0000 0000 438c 2907 09b5 438c 2907 0000 1f18 24fe 0c9d 0141 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:44.860	329	2	4657		-137	+179			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+24.56	-25.33	135	35.27	1546 136	35.28	103.11	131.13	226	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
322	+7029	+6900	+6900	+6900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:44.860 Active Track Maintenance Msg 1700 0058 0000 d7a0 0000 dbaa 0000 d7a0 003a 5a51 fbf7 0000 0c48 f356 0000 0000
f641 0ccb 0000 60a4 2348 09af 60a0 2348 a00c 19c7 20c8 1015 0149 0000 0000 18a0
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:44.960	561	2	4745		-153	+121			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+17.03	-17.67	136	24.48	1547 136	24.55	97.77	140.44	195	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
308	+5729	+5600	+5600	+5501	-21	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:44.960	Active Track Maintenance Msg	1700 0058 0000 abe9 0000 b30a 0000 af02 003a 5a53 fbf7 ff55 0884 f72a 0000 0000
		f51b 089e 0000 60bc 188e 09e5 60c0 188c 0000 1871 231c 0de4 0231 0000 0000 00d1
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:44.960	98	2	3253		+65	-176			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+8.45	-10.38	140	13.37	1600	141	13.45	91.31	149.66	188 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
159	+5129	+5000	+4998	+4911	-18	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 997f 0000 a04a 0000 9c30 003a 5a91 fbf7 ff6d 0439 facf 0000 0000
		04af f36c 0001 640b 0d74 06ab 6430 0d64 0006 16d4 256a 0d6c 0062 0000 0000 cace
		051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:44.960	278	2	4613		+258	+86			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+17.13	-21.33	141	27.34	1608	141	27.34	96.94	136.88	273 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
71	+6029	+5900	+5909	+5910	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 b8b0 0000 bc6a 0000 b8a8 003a 5a95 fbf7 0002 0890 f556 0000 0000 126a 062c 0000 648c 1b56 098b 6470 1b5c 0000 183c 2238 136c 0116 0000 0000 cace 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:44.960	7	2	1275			-5	+10		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+41.67	-14.40	109	44.04	1241 109	44.07	122.41	137.36	12	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
331	+0	+0	+0	+0	+0	00000	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 0000 0000 0000 0000 0000 003a 58fa 0000 0000 14d6 f8cd 0000 0000 ff96 00c7 0000 4d91 2c11 02bd 4d90 2c18 0101 1e9a 2257 00e2 0007 0000 0000 0068 0000 2600 0203 1000 0300 0100 0000 0001 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:44.960	328	2	6655			+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+19.96	-22.30	138	29.88	1572 138	29.93	99.39	135.19	161	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1429	+1300	+0	+1429	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:44.960 Active Track Maintenance Msg 1700 0058 0000 2caa 0000 2caa 0000 0000 0000 0000 fbf7 0000 09fb f4d9 0000 0000
0000 0000 0000 6241 1dee 0dad 6241 1dee 0000 18d9 21cc 0b85 0148 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
01:03:44.660	15	4.09	1785	157	4				86.31	158.11	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:44.970	Radar Report Msg	0b01 001c 003a 5c0a 1594 2787 020c 1be4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
		4.09	1850	163	1				85.94	158.06	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5c0a 157c 2784 020c 1ce8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.09	1811	159	3		86.17	158.08	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5c0a 158b 2785 020c 1c4c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	9.75	1889	166	5		85.64	152.22	5		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:44.980	Radar Report Msg	0b01 001c 003a 5c1e 1569 260e 04e0 1d84 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.00	1859	163	3		85.89	158.17	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5c1e 1579 278b 0200 1d0c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	6.56	1889	166	2		85.69	155.47	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 5c1e 156c 26de 0348 1d84 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:45.090	530	2	4643		-278	+180			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
+22.61	-43.91	152	49.34	1738 153	49.39	96.50	113.73	332	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
302	+20000	+20000	+20000	+20000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:45.090	Active Track Maintenance Msg	1700 0058 0002 7100 0002 7100 0002 7100 003a 5b29 0000 0000 0b4e ea0b 0000 0000 ec2a 0cd5 0000 6ca2 3163 09a3 6ca0 3164 0000 1820 1c6f 179f 0212 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:45.090 406 2 4622 -153 -8 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+11.84 -21.98 151 24.91 1725 152 24.96 91.66 137.58 153 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
267 +3929 +3800 +3816 +3732 -23 -2 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 74a1 0000 7aca 0000 7745 003a 5b1b fbf7 ff43 05eb f503 0000 0000
f51e ff6a ffee 6bd8 18f6 0992 6be0 18f8 0000 16ea 2265 0ae6 0196 0000 0000 0000
041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:45.090 312 2 3220 -138 -41 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+6.44 -14.40 155 15.75 1777 156 15.77 88.36 146.27 144 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
253 +1429 +1300 +1258 +1142 -24 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 23b6 0000 2caa 0000 2750 003a 5b51 fbf7 ff3a 0338 f8cd 0000 0000
f629 fd04 0001 6f1d 0fc4 0690 6ee0 0fc8 0000 1617 2491 0a49 0138 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:45.090	176	2	4772		+156	+50			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+3.57	-10.48	161	11.03	1833 161	11.09	86.56	150.80	164	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
72	+4729	+4600	+4593	+4536	-9	+1	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 8dc7 0000 93ca 0000 8f8a 003a 5b95 fbf7 ffb1 01c9 fac3 0000 0000
		0b2a 0393 0008 7296 0b16 09fa 72a0 0b14 1202 15a4 25b3 0bb9 00b0 0000 0000 0000
		041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:45.090	431		2		-22	-132			RADAR-ONLY: NO

FIRMNESS: 35

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: NO
+32.85	-19.55	120	38.17	1374 121	38.23	112.58	134.61	134	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
189	CST	CST	+1842	+1772	-15	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 3766 0000 3c4a 0000 3993 003a 47c6 fbf7 ff87 106d f63a 0000 0000
		fe5f f694 0000 55e1 263b 05dc 55b0 262c 0000 1c25 21a7 0990 01af 0000 0000 010e
		0a1f 2300 0203 1001 0303 0000 0000 0001 0100 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:44.880	17	5.41	1885	166	4		85.73	156.67	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:45.100	Radar Report Msg	0b01 001c 003a 5c78 156f 272b 02b4 1d74 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
	6.66	1891	166	1						85.67		155.38	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5c78 156b 26d8 0354 1d8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
	21.97	1891	166	3						85.42		139.94	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5c78 155b 22fc 0afc 1d8c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
4.16	2003	176	1				85.05	158.08	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:45.100	Radar Report Msg	0b01 001c 003a 5ce6 1543 2785 0214 1f4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
4.19	1977	174	2				85.20	158.02	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5ce6 154d 2781 0218 1ee4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.31	2090	184	4				84.17	157.03	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5ce6 150b 2742 02a8 20a8 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:45.190	160	2	4645		+215	+286			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X	DISPLAY NM	DISPLAY Y	DISPLAY NM	PRED_AZIM AZI DEG	PREDICTED RANGE NM	SYSTEM ACP	SYSTEM DEG	SYSTEM RANGE NM	SPEED X	SPEED NM	SPEED Y	SPEED NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8
														VALID ALTITUDE: YES

+2.58 -14.32 169 14.54 1936 170 14.54 84.64 147.47 358 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
37	+13029	+12900	+12884	+13160	+60	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:45.190	Active Track Maintenance Msg	1700 0058 0001 9b47 0001 972a 0001 92a0 003a 5c03 fbf7 01e2 014a f8d7 0000 0000 0f55 1462 0001 7902 0e89 09a5 78c0 0e8c 0005 1529 24de 1982 00a0 0000 0000 5c14 081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:45.190	310	2	1051		+434	+102			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+5.38	-32.19	170	32.63	1940 171	32.65	82.84	129.53	446	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
76	+21600	+21600	+21596	+21762	+36	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 a812 0002 a300 0002 a2e3 003a 5c0c 0000 0120 02b1 efe8 0000 0000
		1eec 0753 0000 794a 20a7 0229 7940 20a4 0003 14b6 2062 1fc7 0136 0000 0000 4846
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:45.190	219	2	1060		-404	-138			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+1.41	-17.22	175	17.24	1995 175	17.29	82.94	145.77	427	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
251	+35000	+35000	+35000	+35000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0004 45c0 0004 45c0 0004 45c0 003a 5c4a 0000 0000 00b4 f764 0000 0000
e33c f62a 0000 7cb7 114a 0230 7cb0 1148 1659 14bc 2471 1e66 00db 0000 0000 0003
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:45.090	18	4.44	2218	195	1		83.72		158.25	1		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:45.310	Radar Report Msg	0b01 001c 003a 5dc2 14ee 2790 0238 22a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	45.50	2203	194	4			64.22		121.81	4		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5dc2 100e 1e74 16c0 226c 0204 0400 0004 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:45.410	449		2	7242	-311	+144			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+0.26	-34.05	179	34.00	2042 180	34.03	77.50	129.25	343	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
295	+32700	+32700	+32682	+32765	+18	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:45.410	Active Track Maintenance Msg	1700 0058 0003 ffea 0003 fde0 0003 fd57 003a 5c80 0000 0090 0021 eefa 0000 0000 e9d5 0a4e 0000 7fac 2208 0ea2 7fb0 220c 0004 1360 2050 1872 01c1 0000 0000 488c 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:45.410	580		2	4614	-67	+40			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-0.11	-18.40	180	18.38	2051 180	18.38	81.00	144.08	78	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
301	+4629	+4500	+4521	+4570	+10	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 8ed3 0000 90aa 0000 8d48 003a 5c8a fbf7 0056 fff2 f6cd 0000 0000
fb37 02e8 0000 8038 1262 098c 7fff 1268 0000 1440 2405 0599 0244 0000 0000 182c
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:45.410	361	2	1022		-196	-80			RADAR-ONLY: NO

FIRMNESS: 27

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5
-2.65	-16.98	188	17.14	2147 189	17.19	78.91	146.09	212	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
247	+3029	+2900	+2894	+3140	+53	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 6220 0000 5eaa 0000 5a77 003a 5cf7 fbf7 01ad fead f783 0000 0000
		f205 fa4f 0002 863b 1131 0212 7fff 1130 a00f 13ba 2486 0f18 0169 0000 0000 0000
		051f 1b00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:45.640	49	2	6311		+361	-91			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-11.18	-44.07	194	45.44	2210 194	45.46	63.81	122.08	372	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
104	+11029	+10900	+10899	+10764	-29	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:45.640	Active Track Maintenance Msg	1700 0058 0001 5067 0001 58aa 0001 549b 003a 5d3c fbf7 ff18 fa69 e9f7 0000 0000
		19ac f97f 0000 8a20 2d75 0cc9 7fff 2d78 4034 0ff4 1e85 1a7c 0031 0000 0000 000c
		0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001
01:03:45.640	Delete Track Msg	1704 0008 0130 0110

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:45.420	20	5.41	2286	201	2		82.77	157.64	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:45.640	Radar Report Msg	0b01 001c 003a 5e9e 14b1 2769 02b4 23b8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	5.56	2506	220	1			81.41		158.78	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:45.650	Radar Report Msg	0b01 001c 003a 5f0c 145a 27b2 02c8 2728 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	5.56	2531	222	1			81.30		158.95	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5f0c 1453 27bd 02c8 278c 0201 0100 0001 0000 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:45.510	21	5.97	2582	227	3		80.72	159.11	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:45.750	Radar Report Msg	0b01 001c 003a 5f70 142e 27c7 02fc 2858 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		7.22	2666	234	1		79.20	159.31	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5f70 13cd 27d4 039c 29a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		10.44	2641	232	4		76.30	157.77	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5f70 1313 2771 0538 2944 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		8.69	2666	234	1		77.80	158.78	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 5f70 1373 27b2 0458 29a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT					
	6.78	2632	231	4					79.75	159.16	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5f70 13f0 27ca 0364 2920 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT					
	6.63	2679	235	2					79.72	159.66	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5f70 13ee 27ea 0350 29dc 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:45.850	379	2	6312		+277	+13			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-6.91	-12.48	209	14.21	2376 209	14.26	75.97	151.58	277	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
87	+9029	+8900	+8925	+8708	-55	-3	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:45.850	Active Track Maintenance Msg	1700 0058 0001 1023 0001 1a2a 0001 16ef 003a 5df9 fbf7 fe44 fc8b f9c3 0000 0000 13bd 00f0 ffe4 9481 0e43 0cca 7fff 0e44 0000 12fe 25e5 13c3 017b 0000 0000 0000 041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:03:45.850	Delete Track Msg	1704 0008 0164 0110

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:45.630	22	4.38	2713	238	2		81.88	160.66	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:45.850	Radar Report Msg	0b01 001c 003a 5fde 1478 282a 0230 2a64 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
		8.72	2744	241	2		77.47	159.73	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5fde 135e 27ef 045c 2ae0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.47	2724	239	3			80.75		160.41	3			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5fde 1430 281a 02bc 2a90 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	15.75	2747	241	2			70.56		158.08	2			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5fde 11a4 2785 07e0 2aec 0202 0200 0001 0103 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	9.66	2739	241	1			76.56	159.44	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5fde 1324 27dc 04d4 2acc 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	29.91	2779	244	3			56.47	156.09	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 5fde 0e1e 2706 0ef4 2b6c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:45.840	23	2.00	2798	246	5		84.61	161.64	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:46.070	Radar Report Msg	0b01 001c 003a 6056 1527 2869 0100 2bb8 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	27.63	2777	244	4			58.73	156.45	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 6060 0eaf 271d 0dd0 2b64 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	47.28	2795	246	4			39.20		153.91		4		RT		2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6060 09cd 267a 17a4 2bac 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	12.00	2836	249	3			73.95		160.58		3		RT		2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6060 127d 2825 0600 2c50 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
15.25	2840	250	2			70.69	160.33	2		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6060 11ac 2815 07a0 2c60 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:46.180	8	2	1273	+0	+0				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-37.78	-33.20	228	50.26	2602	229	50.30	40.83	139.30	0 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
135	-899	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:46.180	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e3e1 ffff e3e1 003a 5ef5 0000 0000 ed1c ef67 0000 0000 0003 fffe 0000 a2a0 324c 02bb 7fff 324c a010 0a35 22d3 0004 0008 0000 0000 78c4 0a1f 2603 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:46.180	173	2	6307	+500	-231				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
-13.55	-11.51	229	17.73	2614 230	17.78	70.48	154.50	551	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
114	+33000	+33000	+33000	+33000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 0740 0004 0740 0004 0740 003a 5f01 0000 0000 f939 fa3f 0000 0000
		239d ef91 0000 a362 11c7 0cc7 7fff 11c8 a002 119f 26a0 2739 00ad 0000 0000 00a8
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:46.180	304	2	7342		-322	+150			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-27.90	-20.68	233	34.67	2656 233	34.71	53.98	149.06	355	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
295	+35000	+35000	+35001	+35002	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 45d7 0004 45c0 0004 45ce 003a 5f32 0000 0002 f20d f5a9 0000 0000 e914 0ab7 0000 a606 22b6 0ee2 7fff 22bc 003a 0d7f 2544 194e 0130 0000 0000 0400 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:45.980	24	14.72	2929	257	3		71.16	162.38	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:46.180	Radar Report Msg	0b01 001c 003a 60ce 11ca 2898 075c 2dc4 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	15.34	2995	263	4			70.66	163.94	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:46.180	Radar Report Msg	0b01 001c 003a 613c 11aa 28fc 07ac 2ecc 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:46.280	275	2	0257	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+35.64	+0.70	88	35.63	1011 89	35.64	120.41	153.44	95	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1829	+1700	+0	+1829	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:46.280	Active Track Maintenance Msg	1700 0058 0000 392a 0000 392a 0000 0000 0000 0000 fbf7 0000 11d2 0059 0000 0000
		0000 0000 0000 3f34 23a5 00af 3f34 23a5 0000 1e1a 265c 06c4 0113 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:46.280 319 OPT708 2 4725 4725 1W +118 +25 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-0.85 -0.59 235 0.98 2680 236 1.02 84.80 161.48 121 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
77 +929 +800 +809 +751 -12 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:03:46.280 Active Track Maintenance Msg 1700 0058 0000 177d 0000 1d0a 0000 194b 003a 5f4b fbf7 ff9d ff93 ffb5 0000 0000
086f 01d1 0000 a78d 0106 09d5 7fff 0108 00db 1533 285f 08a0 013f 0000 0000 1000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0004 0000 0000 0000 0202 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0003
0000 0200 0000 0600 0000 0000 0000 0000 8000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09d5 0003 0122 ffff ffff 002a 0168 0000
0000 0000 0000 02b8 0000 0001 0001 0000 0000 0000 005b 0000 0096 00f5 013f 0092
0000 00be 0000 010d 008c 01a6 0000 0000 0000 0000 0000 0000 0000 022e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0001 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 03ff 0100 0000 0000 0000 0000 0100 0000 0000 0001 0001 0502
0001 0000 0000 0031 4245 3430 0000 0000 504d 4400 4255 5200 2020 2020 2020 2020
2020 0000 4f50 5437 3038 0000 0000 0032 3931 0000 0057 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE--- ASSIGNED	BEACON CODE--- REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:46.280	586	2	4673	+321	+11				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-18.40	-12.09	236	21.98	2692 237	22.02	64.97	154.83	322	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
88	+10229	+10100	+10115	+10033	-17	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 3989 0001 3faa 0001 3c1c 003a 5f5b fbf7 ff72 f6cd f9f4 0000 0000
		16e5 00d3 0000 a84d 1604 09bb 7fff 1604 0000 103e 26b5 16e9 024a 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:46.280 591 N31F 2 0260 0260 1Y +43 +79 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-7.84 -3.07 248 8.39 2828 249 8.44 77.41 160.86 90 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: YES
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
29 +1929 +1800 +1823 +1800 -4 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 3847 0000 3c4a 0000 38fa 003a 5ff4 fbf7 ffd9 fc14 fe77 0000 0000
031c 059f 0000 b0c6 0870 00b0 7fff 086c a016 135a 2837 066c 024f 0000 0000 2a30
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 00b0 008a 0104 ffff ffff 003d 000e 0000
0000 0000 0000 0000 0000 008a 008a 0000 0000 0000 0000 0000 00c9 0215 024f 015c
0000 00b1 0000 013a 00d7 00d5 0000 0000 0000 0000 0000 0000 0000 0448 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0004 2020 2fff 0000 0000 0000 0000 0000 0000 0000 0000 0001 0702
0001 0000 0000 0043 0000 0000 0000 0000 0000 0000 564e 5900 2020 2020 2020 2020
2020 0000 4e33 3146 0000 0000 0000 0000 0000 0000 0059 0000 0000 0020 564e 5900
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:46.090	25	13.47	3129	275	2					73.19		166.33	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:46.290	Radar Report Msg	0b01 001c 003a 61a0 124c 2995 06bc 30e4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		12.84	3142	276	2					73.86		166.36	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 61a0 1277 2997 066c 3118 0202 0200 0001 0103 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
13.75	3120	274	4			72.84	166.25	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 61a0 1236 2990 06e0 30c0 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
13.00	3146	277	4			73.73	166.48	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 61a0 126f 299f 0680 3128 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:46.470	545	N4171H	2	4706	4706	0	-154	-43	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-22.61	-5.73	255	23.27	2911 256	23.33	62.45	162.02	160	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
254	+4029	+3900	+3900	+3900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:46.470	Active Track Maintenance Msg	1700 0058 0000 79e0 0000 7dea 0000 79e0 003a 604f fbf7 0000 f4b2 fd23 0000 0000

f502 fce4 0000 b5f0 1755 09c6 7fff 1754 5858 0f9d 2881 0b6d 0221 0000 0000 0584
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09c6 0000 0028 0028 0028 001e 003d 0000
0000 0000 0000 0000 0000 0001 0003 0000 0000 0000 0068 0000 011a 0115 0221 0235
0000 0000 0000 00a7 0144 0075 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0000 0000 0100 0000 0100 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 21ff 0600 0000 0000 0000 0000 0100 0000 0000 0001 0000 0502
0001 0000 0000 0036 4d32 3050 0000 0000 5748 5000 4f58 5200 2020 2020 2020 2020
2020 0000 4e34 3137 3148 0000 0000 0034 3534 3234 3400 0000 0000 0020 4f58 5200
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:46.470 475 N6887L 2 4714 4714 1W +183 +25 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-19.70 -1.48 265 19.74 3023 266 19.74 66.36 165.39 185 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
82 +4929 +4800 +4805 +4798 -1 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 95f6 0000 9a0a 0000 9629 003a 60ce fbf7 fff6 f627 ff43 0000 0000
0d0a 01cf 0000 bcff 13bd 09cc 7fff 13c0 0000 1097 2959 0d2a 01db 0000 0000 0000
051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0004 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 2000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09cc 0003 0000 ffff 0032 0038 0253 0000
0000 0000 0000 00b2 0000 0003 0000 0000 0000 0000 00f2 0000 0014 0138 01db 00c3
0000 01ee 0000 0062 0054 01c9 0000 0000 0000 0000 0000 0000 0000 025c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 1dff 0600 0000 0000 0000 0000 0100 0000 0000 0001 0001 0502
0001 0000 0000 0036 4334 3231 0000 0000 4f58 5200 4343 4200 2020 2020 2020 2020
2020 0000 4e36 3838 374c 0000 0000 0037 3937 0000 0057 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	14.09	3290	289	1					74.14	169.63	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:46.470	Radar Report Msg	0b01 001c 003a 61fa 1289 2a68 070c 3368 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	10.13	3235	284	1					77.03	166.67	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 61fa 1342 29ab 0510 328c 0201 0100 0001 0000 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	13.94	3282	288	4			74.17	169.39	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6204 128b 2a59 06f8 3348 0204 0400 0001 0303 1d00 0000
01:03:46.500	Delete Track Msg	1704 0008 0102 0510

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: OVR
01:03:46.620	274	N8063T	2	4763	4763	1V	+121	+35	RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3
-17.79	-3.48	259	18.08	2946 259	18.14	67.72	162.98	126	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS: NO
									INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
73	+6529	+6400	+6420	+6520	+21	+0	11011

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:46.620	Active Track Maintenance Msg	1700 0058 0000 cbc7 0000 cc0a 0000 c8a7 003a 6078 fbf7 00ae f71b fe43 0000 0000
		089f 028b 0000 b82e 1223 09f3 7fff 1220 c411 10ee 28bf 08fd 0112 0000 0000 cd45
		031b 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09f3 0005 0032 ffff 0032 002c 022a 0000
		0000 0000 0000 018b 0000 0003 0015 0000 0000 0000 00ae 0000 0070 0245 0112 00cb
		0000 002d 0000 0194 0133 0144 0000 0000 0000 0000 0000 0000 0000 042f ffff 0000

0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 00ff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0036 5041 3332 0000 0000 4f58 5200 4844 4600 2020 2020 2020 2020
2020 0000 4e38 3036 3354 0000 0000 0030 3030 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:46.620 297 2 1056 -8 +96 RADAR-ONLY: NO
FIRMNESS: 38

DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-41.08 -2.58 266 41.14 3031 266 41.17 45.41 169.73 96 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
355 +5829 +5700 +5657 +5731 +16 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 b31a 0000 b62a 0000 b0c9 003a 60d7 fbf7 0082 eb76 feb6 0000 0000
ff6a 06dd 0001 bd76 292c 022e 7fff 2928 cd82 0b5a 2a6f 06e3 0129 0000 0000 d1e0
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:46.620 87 CPF420 2 4664 4664 1X +77 -67 RADAR-ONLY: NO
FIRMNESS: 38

DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-5.09 -0.08 269 5.06 3061 269 5.09 80.88 163.03 102 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO

HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
131 +4929 +4800 +4762 +4821 +12 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 96a9 0000 9a0a 0000 94d5 003a 60f9 fbf7 0067 fd74 fff6 0000 0000
0581 fb35 0000 bf59 0517 09b4 7fff 0518 cb55 1438 28c2 074c 0057 0000 0000 d113
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09b4 0015 0032 0032 0032 003c 017c 0000
0000 0000 0000 0000 0000 0001 0026 0000 0000 0000 00ed 0000 01b0 009b 0057 0201
0000 016b 0000 0010 0184 0185 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2eff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 4332 3036 0000 0000 5748 5000 544f 4100 2020 2020 2020 2020
2020 0000 4350 4634 3230 0000 0000 0035 3634 0000 0058 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:46.620 362 2 0006 +312 -318 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-28.15 +3.30 276 28.31 3148 277 28.33 59.48 172.13 446 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
135 +15929 +15800 +15773 +15665 -14 +3 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 e98f 0001 f1ca 0001 ecea 003a 615b fbf7 ff8d f1ed 01a6 0000 0000
1640 e95f 001e c4c6 1c55 0006 7fff 1c58 d74b 0edf 2b08 1fbc 016a 0000 0000 d4df
041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:46.620 9 2 1275 -4 -4 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-12.51 -10.98 228 16.61 2602 229 16.68 70.89 154.38 6 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
223 -470 -599 -599 -599 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 ffff ed41 ffff f14b ffff ed41 003a 5ef5 fbf7 0000 f9bf fa82 0000 0000
ffac ffa5 0000 a2a3 10ae 02bd 7fff 10a8 ede9 11b9 2698 007c 0009 0000 0000 baf8
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:46.620	424	2	7234		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
-0.40	-16.04	181	16.00	2064 181	16.04	81.30	146.44	158	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1329	+1200	+0	+1329	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:46.620	Active Track Maintenance Msg	1700 0058 0000 298a 0000 298a 0000 0000 0000 0000 fbf7 0000 ffcd f7fb 0000 0000
		0000 0000 0000 8103 100b 0e9c 8103 100b 0000 1453 249c 0b42 01a8 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:46.730	84	N774CS	2	3376	3376	1W	+147	-157	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-22.53	+5.93	284	23.25	3240 285	23.30	65.53	173.27	215	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: YES

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
136	+10029	+9900	+9941	+9904	-8	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:46.730	Active Track Maintenance Msg	1700 0058 0001 3583 0001 396a 0001 36ae 003a 61c3 fbf7 ffbf f4bc 02f7 0000 0000
		0a77 f4d3 0000 ca81 174e 06fe 7fff 174c 0000 1062 2b51 0f4f 0054 0000 0000 0000
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 06fe 0003 012c ffff f830 0037 01ab 0000
		0000 0000 0000 0142 0000 0007 002e 0000 0000 0000 00a9 0000 0215 0249 0054 0250
		0000 0000 0000 0213 0091 014a 0000 0000 0000 0000 0000 0000 0000 03cb ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000
		0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2056 2eff 0000 0000 0000 0000 0000 0101 0003 0000 0001 0001 0502

0001 0000 0000 0043 4332 3130 0000 0000 5341 3900 544f 4100 2020 2020 2020 2020
2020 0000 4e37 3734 4353 0000 0000 0036 3032 0000 0057 0000 0000 0020 0000 004f
4646 5620 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:46.730	194	DDA77	2	4043	4043	0	+366	-347	ARR

RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7
-45.04	+19.13	293	48.89	3335 293	48.89	47.16	191.70	504	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
133	+19900	+19900	+19938	+19605	-72	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 64aa 0002 6de0 0002 6f10 003a 622c 0000 fdba e97b 0991 0000 0000
		1a11 e752 fffe d071 30e3 0823 7fff 30f0 0000 0bca 2fed 23e6 00c2 0000 0000 0000
		071f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0823 0000 0136 ffff 0172 003f 0204 0000
		0000 0000 0000 0002 0007 0007 0007 0000 0000 0000 00ab 0000 0090 00b2 00c2 0000
		0000 0000 0000 00c8 0155 0189 0000 0000 0000 0000 0000 0000 0000 023d ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000 0100 0000
		0100 0000 0001 0000 0001 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0005 2000 2fff 0000 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0102
		0001 0000 0000 0043 4c4a 3335 0000 0000 4649 4d00 564e 5900 2020 2020 2020 2020
		2020 0000 4444 4137 3700 0000 0000 0033 3535 0000 0000 0000 0000 0020 0000 0000
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:46.520	28	10.13	3258	286	2		77.20		166.98	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:46.730	Radar Report Msg	0b01 001c 003a 62f4 134d 29bf 0510 32e8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.97	3315	291	3			81.97		164.59	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 62f4 147e 2926 027c 33cc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	43.78	3444	303	4			56.14	194.02	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 62f4 0e09 3081 15e4 35d0 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	34.16	3476	306	4			63.92	188.03	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:46.740	Radar Report Msg	0b01 001c 003a 62fe 0ffb 2f02 1114 3650 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	4.53	3422	301	5					82.80	164.84	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 62fe 14b3 2936 0244 3578 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	7.22	3427	301	4					80.88	166.88	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 62fe 1438 29b8 039c 358c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	8.94	3519	309	2					80.59	168.94	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:46.750	Radar Report Msg	0b01 001c 003a 6358 1426 2a3c 0478 36fc 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS

45.16 3467 305 4 56.41 196.08 4 RT 2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6358 0e1a 3105 1694 362c 0204 0400 0005 0003 1d00 0000
01:03:46.840	Delete Track Msg	1704 0008 0190 0310

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:46.840	400	2	4675		-194	-49			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-41.14	+33.13	308	52.80	3513 309	52.81	54.41	204.27	200	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
255	+14029	+13900	+13900	+13900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:46.840	Active Track Maintenance Msg	1700 0058 0001 b260 0001 b66a 0001 b260 003a 62f7 fbf7 0000 eb6e 1090 0000 0000
		f22d fc83 0000 db99 34cf 09bd 7fff 34d4 08dc 0d9a 3311 0e42 0190 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:46.840	384	2	1200		+97	+59			RADAR-ONLY: NO

FIRMNESS: 37

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-34.84	-1.60	267	34.84	3042 267	34.86	51.69	169.11	113	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
58	+5629	+5500	+5500	+5500	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 abe0 0000 afea 0000 abe0 003a 60e4 fbf7 0000 ee95 ff33 0000 0000
		06e9 0433 0000 be2d 22dd 0280 7fff 22e0 14bb 0cec 2a47 0816 0180 0000 0000 0101
		0a1f 2500 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT COR	SYSTEM Y NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:03:46.630	29	3.91	3587	315	3		83.98		164.91	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:46.840	Radar Report Msg	0b01 001c 003a 63bc 14ff 293a 01f4 380c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
	5.34	3672	323	2						83.81		166.53	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 63bc 14f4 29a2 02ac 3960 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
	5.00	3683	324	2						84.02		166.23	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:46.840	Radar Report Msg	0b01 001c 003a 63c6 1501 298f 0280 398c 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:46.940	59	2	4603		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+53.43	+11.12	78	54.51	890 78	54.57	140.14	158.98	324	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+21800	+21800	+0	+21800	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:46.940	Active Track Maintenance Msg	1700 0058 0002 a940 0002 a940 0000 0000 0000 0000 0000 0000 1ab7 058f 0000 0000 0000 0000 0000 37a4 3692 0983 37a4 3692 0000 2309 27bf 1715 003b 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.25	3677	323	4		83.89	166.45	4		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:46.940	Radar Report Msg	0b01 001c 003a 6434 14f9 299d 02a0 3974 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:46.830	30	7.72	3811	335	1		84.41	169.25	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:47.070	Radar Report Msg	0b01 001c 003a 6498 151a 2a50 03dc 3b8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	6.19	3865	340	2			85.17		167.77	2			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6498 154b 29f1 0318 3c64 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:47.170	51	2	1331		-199	+276			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-24.37	+17.38	305	29.88	3476 306	29.93	66.88	184.50	341	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
324	+31000	+31000	+31000	+31000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:47.170	Active Track Maintenance Msg	1700 0058 0003 c8c0 0003 c8c0 0003 c8c0 003a 62cc 0000 0000 f3d1 08b1 0000 0000 f1ca 13ad 0000 d942 1dee 02d9 7fff 1df0 1618 10b8 2e20 1845 0033 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:47.170	56	2	4752		-141	+176			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-27.55	+21.77	308	35.06	3508 308	35.13	64.67	189.83	226	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
321	+12029	+11900	+11900	+11900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0001 73e0 0001 77ea 0001 73e0 003a 62f0 fbf7 0000 f23a 0ae2 0000 0000
f5f4 0c90 0000 db44 2321 09ea 7fff 231c 0000 102b 2f75 1016 0038 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:47.170	392	2	7304			-252	+258		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-25.61	+21.61	310	33.44	3529 310	33.50	66.59	189.08	361	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
315	+22800	+22800	+22829	+22981	+32	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0002 ce2c 0002 c880 0002 c96a 003a 6308 0000 0107 f332 0ace 0000 0000
ee09 1263 0000 dc90 2180 0ec4 7fff 2184 5858 10a6 2f45 19b5 0188 0000 0000 014c
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:47.170 322 N900RL 2 3601 3601 1F +15 -242 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-10.36 +12.20 319 15.96 3633 319 15.99 78.86 176.22 243 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
176 +7229 +7100 +7113 +6974 -34 -1 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 d9f1 0000 e1ea 0000 de4a 003a 6381 fbf7 feed fad2 0619 0000 0000
0114 eebe fff2 e316 0ffe 0781 7fff 1000 a00a 13b7 2c0e 114b 0142 0000 0000 000c
041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0781 0001 0122 ffff 01c2 0037 01b6 0000
0000 0000 0000 00ba 0000 0001 008a 0000 0000 0000 008f 0000 012b 00a5 0142 009b
0000 01c6 0000 01cb 000c 020d 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0100 0000 0000 0000 0000 0100 0003 0000 0001 0001 0702

0001 0000 0000 0031 474c 4634 0000 0000 504d 4400 5656 5600 2020 2020 2020 2020
2020 0000 4e39 3030 524c 0000 0000 0035 3736 0000 0046 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:47.300	74	N40905	2	6701	6701	0	-62	+64	DEP

RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE
-9.05	+15.59	330	17.98	3753 330	18.05	80.98	179.16	89	VALID

FIRMNESS: 10

ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
315	+9929	+9800	+9795	+9793	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:47.300	Active Track Maintenance Msg	1700 0058 0001 320e 0001 364a 0001 321b 003a 6404 fbf7 fffe fb79 07cc 0000 0000
		fb89 048f 0000 ea97 120c 0dc1 7fff 1208 0000 143f 2cca 0661 004a 0000 0000 0000
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0dc1 0000 0064 0064 0064 058a 0094 0000
		0000 0000 0000 0000 0000 0058 0005 0000 0000 0000 029c 0000 01cc 012f 004a 01c6
		0000 0213 0000 0001 0134 005a 0000 0000 0000 0000 0000 0000 0000 00dc ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
		0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 9900 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
		0001 0000 0000 0043 5032 3852 0000 0000 4d59 4600 4c48 5300 2020 2020 2020 2020
		2020 0000 4e34 3039 3035 0000 0000 0035 3837 0000 0000 0000 0000 0020 0000 0056
		3539 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

END TIME	START TIME	TARGET REPORTS:	LIVE	SIMULATED		VALID MODE-C:	0
01:03:47.080	01:03:42.470	RADAR-ONLY	108	0		0.0%	
SENSOR = 2		BEACON-ONLY	0	0			
		RADAR & BEACON	0	0		VALID MODE-3/A:	0
		TOTAL	108	0		0.0%	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:47.300	Sensor Sector Mark Msg	1715 000c 003a 6588 0000 0200

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG X	QUA NM	BEACON Y	ALT NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:47.080	0	10.78	3882	341	3		85.00	172.45	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:47.300	Radar Report Msg	0b01 001c 003a 651a 1540 2b1d 0564 3ca8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	8.63	3976	349	2			86.38		170.28		2	RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 651a 1598 2a92 0450 3e20 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.03	4011	353	3			86.36		166.56		3	RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:47.300	Radar Report Msg	0b01 001c 003a 657e 1597 29a4 0284 3eac 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	11.09	4057	357	3					87.91	172.59	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:47.310	Radar Report Msg	0b01 001c 003a 6588 15fa 2b26 058c 3f64 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	8.84	19	2	4					88.20	170.17	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6588 160d 2a8b 046c 004c 0204 0400 0001 0303 1d00 0000
01:03:47.390	Delete Track Msg	1704 0008 008a 0410

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
01:03:47.190	1	5.81	24	2	4				87.38	167.17	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:47.400	Radar Report Msg	0b01 001c 003a 65f6 15d8 29cb 02e8 0060 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK	AIRCRAFT	SENSOR	----BEACON CODE---	CONTROLLER	VELOCITY	VELOCITY	LIVE/SIMULATED:

NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:47.510 358 2 7303 +25 +317 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-2.18 +13.40 351 13.54 3990 351 13.57 87.03 175.11 318 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
4 +16129 +16000 +16010 +16147 +28 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:47.510	Active Track Maintenance Msg	1700 0058 0001 f89a 0001 f80a 0001 f451 003a 650f fbf7 00e7 fee9 06b3 0000 0000 01cb 168c fffe f969 0d92 0ec3 7fff 0d94 0001 15c2 2bc7 169e 0166 0000 0000 0100 051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:47.520	3	6.31	125	11	2		88.41		167.33		2		RT		2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:47.760	Radar Report Msg	0b01 001c 003a 66c8 161a 29d5 0328 01f4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG X	QUA NM	BEACON Y	ALT NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	9.47	197	17	2		90.70	169.73	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 66c8 16ad 2a6f 04bc 0314 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG X	QUA NM	BEACON Y	ALT NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	19.53	218	19	3		96.59	178.00	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 66c8 1826 2c80 09c4 0368 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG X	QUA NM	BEACON Y	ALT NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	10.72	260	23	1		92.22	170.23	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 66c8 170e 2a8f 055c 0410 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG X	QUA NM	BEACON Y	ALT NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS

17.69	277	24	5		96.84	175.52	5		RT	2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:47.760	Radar Report Msg	0b01 001c 003a 6740 1836 2be1 08d8 0454 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	10.59	252	22	4			92.03	170.20	4			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6740 1702 2a8d 054c 03f0 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:47.970 460 EJA631 2 4757 4757 0 -270 -157 RADAR-ONLY: NO
FIRMNESS: 34
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+7.84 +28.34 15 29.37 175 15 29.43 100.50 187.19 313 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
239 +13929 +13800 +13787 +13743 -9 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:03:47.970 Active Track Maintenance Msg 1700 0058 0001 ad7e 0001 b34a 0001 aed9 003a 664e fbf7 ffb6 03ec 0e2c 0000 0000
ecbf f4cc 0000 0afa 1d6f 09ef 0b00 1d68 003a 1920 2ecc 1646 01cc 0000 0000 335b
051f 2200 0201 1000 0303 0100 0000 0000 0000 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09ef 0000 0172 ffff ffff 003c 026d 0000
0000 0000 0000 0001 0001 0001 0001 0000 0000 0000 009a 0000 003e 01bd 01cc 01a5
0000 01e5 0000 01c8 005b 0124 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2fff 0100 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0702
0001 0000 0000 0031 4335 3658 0000 0000 504d 4400 564e 5900 2020 2020 2020 2020
2020 0000 454a 4136 3331 0000 0000 0039 3135 0000 0000 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:47.620	4	7.22	467	41	1		91.58	165.80	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:47.970	Radar Report Msg	0b01 001c 003a 681c 16e5 2973 039c 074c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		7.22	488	43	2		91.70	165.61	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 681c 16ed 2967 039c 07a0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
7.53	643	57	3			92.72	164.20	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 681c 172e 290d 03c4 0a0c 0203 0300 0003 0003 1d00 0000
01:03:48.080	Delete Track Msg	1704 0008 01cc 0710

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:48.080	451	2	7211	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+31.77	-23.95	127	39.76	1445 127	39.79	110.39	130.59	128	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
0	+129	+0	+0	+129	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:48.080	Active Track Maintenance Msg	1700 0058 0000 040a 0000 040a 0000 0000 0000 0000 fbf7 0000 0fe3 f407 0000 0000
		0000 0000 0000 5a50 27c9 0e89 5a50 27c9 0000 1b99 20a6 0923 01c3 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:48.410	311	2	3275	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 0
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+27.34 -22.90 130 35.63 1478 130 35.66 106.36 132.75 238 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
0 +5029 +4900 +0 +5029 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:48.410	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0dab f48d 0000 0000 0000 0000 0000 5c69 23a8 06bd 5c69 23a8 0000 1a97 2130 10fa 0137 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
01:03:48.070	7	4.03	732	64	7				89.39	162.53	7		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:48.410	Radar Report Msg	0b01 001c 003a 695c 1659 28a2 0204 0b70 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	3.66	697	61	2						88.94		162.63	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 695c 163c 28a8 01d4 0ae4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	3.91	776	68	2						89.28		162.27	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 695c 1652 2891 01f4 0c20 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
01:03:48.270	8	5.28	974	86	4					90.70		160.94	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:48.530	Radar Report Msg	0b01 001c 003a 6a38 16ad 283c 02a4 0f38 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS

2.91 1123 99 0 87.97 160.88 0 RT 2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6a38 15fe 2838 0174 118c 0200 0000 0000 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:48.630	6	2	1274	+3	+0				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+37.57	+17.84	64	41.57	734 65	41.61	126.63	169.58	3	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
102	-770	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:48.630	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e7eb ffff e3e1 003a 68c2 fbf7 0000 12c9 08eb 0000 0000 0037 fff3 0000 2def 299c 02bc 2df0 2998 0000 1fa8 2a65 0039 0006 0000 0000 000c 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:48.730	101	2	3507	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+24.35	-28.74	139	37.60	1589 140	37.67	101.98	127.86	217	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:48.730	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0c2d f1a1 0000 0000 0000 0000 0000 635c 25ab 0747 635c 25ab 0000 197f 1ff7 0f73 0065 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:48.730	527	2	4676	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+23.48	-27.48	139	36.08	1587 139	36.14	101.47	129.30	109	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1929	+1800	+0	+1929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 3c4a 0000 3c4a 0000 0000 0000 0000 fbf7 0000 0bbd f243 0000 0000
		0000 0000 0000 6331 2423 09be 6331 2423 0000 195e 2053 07cd 020f 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:48.850	523	2		0646		-231	-83		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+42.20	-0.58	90	42.19	1033	91 42.18	126.39	150.61	246	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
250	+13129	+13000	+12965	+12906	-12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:48.850	Active Track Maintenance Msg	1700 0058 0001 9352 0001 9a4a 0001 952b 003a 6a12 fbf7 ff9a 1519 ffb6 0000 0000 ef89 fa13 0000 4091 2a2d 01a6 4090 2a34 0003 1f99 25a7 1180 020b 0000 0000 0100 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:48.630	11	17.19	1130	99	3		101.39	154.88	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:48.850	Radar Report Msg	0b01 001c 003a 6b1e 1959 26b8 0898 11a8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	29.41	1112	98	5			112.89	150.64	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6b1e 1c39 25a9 0eb4 1160 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	7.63	1172	103	4		92.36	158.38	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6b1e 1717 2798 03d0 1250 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	7.97	1156	102	1		92.75	158.38	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6b1e 1730 2798 03fc 1210 0201 0100 0001 0000 1d00 0000

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TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	7.56	1174	103	4				92.30		158.38	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6b1e 1713 2798 03c8 1258 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	2.91	1146	101	0				87.94		160.80	0		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6b1e 15fc 2833 0174 11e8 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	3.03	1171	103	3				88.03		160.64	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6b1e 1602 2829 0184 124c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	51.59	1215	107	5				129.73		134.92	5		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 6b1e 206f 21bb 19cc 12fc 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	40.66	1251	110	4					119.17	138.75	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:48.860	Radar Report Msg	0b01 001c 003a 6b82 1dcb 22b0 1454 138c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	6.31	1234	108	3					90.88	158.50	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6b82 16b8 27a0 0328 1348 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
6.31	1254	110	2			90.77	158.34	2				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6b82 16b1 2796 0328 1398 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
10.34	1270	112	5			94.00	155.78	5				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6b82 1780 26f2 052c 13d8 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
21.50	1315	116	3			102.13	147.98	3				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:48.860	Radar Report Msg	0b01 001c 003a 6b8c 1988 24ff 0ac0 148c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
46.84	1332	117	4			120.69	130.67	4				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg	0b01 001c 003a 6b8c 1e2c 20ab 176c 14d0 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.22	1267	111	1			89.78		158.92		1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6b8c 1672 27bb 029c 13cc 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: DEP
01:03:48.950 394 N121NA 2 1320 1320 1X -120 +14 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+19.05 -3.16 99 19.25 1130 99 19.32 103.38 153.97 121 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
276 +5929 +5800 +5800 +5800 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:03:48.950 Active Track Maintenance Msg 1700 0058 0000 b540 0000 b94a 0000 b540 003a 6a80 fbf7 0000 0987 fe6c 0000 0000
f768 0109 0000 46af 1351 02d0 46b0 1350 0000 19d8 267e 08a8 018a 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 02d0 0015 003c 003c 003c 0000 023d 0000
0000 0000 0000 0000 0000 0024 0005 0000 0000 0000 02db 0000 001a 015e 018a 0099
018b 0027 0000 0113 0248 0168 0000 0000 0000 0000 0000 0000 0000 020e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 a4ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5041 3434 0000 0000 5241 4c00 5344 3800 2020 2020 2020 2020
2020 0000 4e31 3231 4e41 0000 0000 0036 3932 0000 0058 0000 0000 0020 0000 0046
3036 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:48.950 298 2 0771 -205 -73 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+29.13 -5.70 101 29.67 1150 101 29.69 112.47 148.97 218 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
250 +9629 +9500 +9531 +9470 -13 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 27f3 0001 2cea 0001 29d9 003a 6a95 fbf7 ff97 0e91 fd26 0000 0000
f15e facf 0000 47e6 1db1 01f9 47e0 1db0 a00e 1c1e 253e 0f87 012a 0000 0000 13fc
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:48.950	519		2	1631	-159	-98			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+52.55	-9.27	100	53.31	1137 100	53.34	134.22	139.56	187	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
238	+8029	+7900	+7900	+7900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 f6e1 0000 faea 0000 f6e1 003a 6a88 fbf7 0000 1a46 fb5d 0000 0000
		f4ab f8fb 0000 471a 3557 0399 4720 355c 151a 218e 22e4 0d55 0207 0000 0000 0302
		0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:48.950	339		2	2201	-201	-91			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+49.29	-12.58	104	50.82	1187 104	50.75	130.23	137.19	221	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
245	+8729	+8600	+8623	+8458	-43	-3	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0001 0855 0001 10ca 0001 0d7e 003a 6abf fbf7 fea4 18a5 f9b6 0000 0000
f1a8 f979 ffe6 4a3b 32c1 0481 4a30 32e0 7fff 208f 224c 0fc2 0153 0000 0000 0000
041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:48.950	3	2		+327	+383				RADAR-ONLY: NO

FIRMNESS: 27

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: NO
+37.44	+24.90	56	44.95	641 56	44.96	128.25	176.42	504	INHIBIT MSAW PROCESS: INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
40	CST	CST	+24503	+24633	+28	+0	00000

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0003 01c8 0002 fda0 0002 fdb9 003a 4499 0000 00e1 12b8 0c73 0000 0000
174a 1b40 0000 2817 2cf6 0e90 2880 2bbc 7fff 2010 2c1b 23d9 0003 0000 0000 0000
0400 1b00 0203 1001 0303 0000 0000 0001 0100 0000 0000 0100

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:48.950 389 2 1654 -174 -8 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+43.13 -14.68 108 45.54 1238 109 45.54 123.75 136.72 174 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
267 +7729 +7600 +7588 +7441 -31 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:03:48.950 Active Track Maintenance Msg 1700 0058 0000 e88a 0000 f18a 0000 ed22 003a 6af8 fbf7 ff02 1591 f8a9 0000 0000
f39b ff6c 0000 4d6b 2d8a 03ac 4d60 2d90 0000 1ef0 222e 0c68 0185 0000 0000 0318
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:48.950 207 N8451R 2 4647 4647 1X -105 +14 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+6.81 -2.84 112 7.37 1281 113 7.38 91.59 157.41 106 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
277	+6029	+5900	+5899	+5899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 b85c 0000 bc6a 0000 b85e 003a 6b29 fbf7 0000 0368 fe95 0000 0000 f882 0108 0000 5010 0762 09a7 5010 0760 0101 16e6 275a 0790 00cf 0000 0000 0000 0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09a7 0015 003c 003c 003c 0028 0068 0000
0000 0000 0000 0000 0000 0026 0001 0000 0000 0000 00b0 0000 0037 00e1 00cf 0041
0000 0044 0000 01bb 0036 00bd 0000 0000 0000 0000 0000 0000 0000 020c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5032 3841 0000 0000 504f 4300 5656 5600 2020 2020 2020 2020
2020 0000 4e38 3435 3152 0000 0000 0036 3633 0000 0058 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:48.950 280 2 6737 +519 +113 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+53.31 -19.26 109 56.68 1248 110 56.64 132.31 129.81 532 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
77 +27200 +27200 +27203 +27341 +29 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0003 5669 0003 5200 0003 521c 003a 6b06 0000 00ef 1aa8 f65f 0000 0000

24fa 080d 0000 4e0b 38a5 0ddf 4e20 38b0 0000 2114 2074 25d8 0118 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:48.950	590	2	4624		-14	-104			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+33.99	-14.82	113	37.03	1292 114	37.06	114.89	138.91	105	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
187	+3029	+2900	+2904	+2906	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 5ad6 0000 5eaa 0000 5ac5 003a 6b35 fbf7 0004 10ff f897 0000 0000
		fef9 f88b 0000 50c2 2510 0994 50c0 2514 0000 1cb9 22ba 0787 024e 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:48.730	12	28.44	1387	122	3		105.27	141.22	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:48.960	Radar Report Msg	0b01 001c 003a 6bf0 1a51 234e 0e38 15ac 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	47.03	1341	118	5			120.39	130.06	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6bf0 1e19 2084 1784 14f4 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	33.03	1403	123	4			107.84	137.33	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6bf0 1af6 2255 1084 15ec 0204 0400 0005 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:49.080	245	2	5266	+0	+0		RADAR-ONLY: NO		

FIRMNESS: 63

DISPLAY X	DISPLAY NM	DISPLAY Y	DISPLAY NM	PRED_AZIM AZI DEG	PREDICTED RANGE NM	SYSTEM ACP	SYSTEM DEG	SYSTEM RANGE NM	SPEED X	SPEED NM	SPEED Y	SPEED NM	ALTITUDE KNOTS

FIRMNESS: 0

VALID ALTITUDE: YES

+46.59 -5.59 96 46.89 1101 97 46.93 129.39 144.56 161 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+3929	+3800	+0	+3929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:49.080	Active Track Maintenance Msg	1700 0058 0000 7aca 0000 7aca 0000 0000 0000 0000 fbf7 0000 174c fd35 0000 0000 0000 0000 0000 44dc 2eed 0ab6 44dc 2eed 0000 2059 2424 0b79 00f5 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:49.170	321	2	4665		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+41.09	-3.53	94	41.21	1079 95	41.24	124.59	147.95	172	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2929	+2800	+0	+2929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:49.170	Active Track Maintenance Msg	1700 0058 0000 5b8a 0000 5b8a 0000 0000 0000 0000 fbf7 0000 148c fe3c 0000 0000 0000 0000 0000 437e 293e 09b5 437e 293e 0000 1f26 24fd 0c4a 0141 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:48.930	13	10.56	1494	131	4		91.59	153.19	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6c72 16e6 264c 0548 1758 0204 0400 0004 0101 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.16	1530	134	1			87.72	158.55	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6c7c 15ee 27a3 0214 17e8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	37.28	1505	132	5		106.06	130.63	5		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6c7c 1a84 20a8 12a4 1784 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	10.28	1530	134	3		90.97	153.13	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6c7c 16be 2648 0524 17e8 0203 0300 0003 0003 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	23.50	1569	138	7			96.56	141.03	7		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6c7c 1824 2342 0bc0 1884 0207 0700 0003 0302 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:49.290	55	2	7230		-242	-85			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+14.86	-11.12	126	18.48	1442	127	18.55	97.31	147.33	256 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
250	+4329	+4200	+4169	+4047	-26	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:49.290	Active Track Maintenance Msg	1700 0058 0000 7e79 0000 874a 0000 8248 003a 6bdf fbf7 ff2e 076e fa71 0000 0000 eec3 f9f4 0000 5a2f 128c 0e98 5a30 1290 5858 1854 24d5 1244 0037 0000 0000 0584 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:03:49.290	Delete Track Msg	1704 0008 00b0 0410
01:03:49.290	Delete Track Msg	1704 0008 003a 0710
01:03:49.290	Delete Track Msg	1704 0008 0048 0810

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS

01:03:49.170 14 28.25 1608 141 5 97.23 136.08 5 RT 2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:49.400	Radar Report Msg	0b01 001c 003a 6d44 184f 2205 0e20 1920 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	30.59	1722	151	3			93.14	132.20	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:49.410	Radar Report Msg	0b01 001c 003a 6db2 1749 210d 0f4c 1ae8 0203 0300 0004 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.00	1717	151	2			86.67	158.30	2		RT	2			

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6db2 15ab 2793 0200 1ad4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	5.25	1717	151	5					87.00	157.00	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6db2 15c0 2740 02a0 1ad4 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	18.78	1748	154	6					89.55	143.52	6		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6db2 1663 23e1 0964 1b50 0206 0600 0004 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	5.03	1764	155	1					86.61	157.16	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6db2 15a7 274a 0284 1b90 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS

4.09 1787 157 2 86.30 158.11 2 RT 2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6db2 1593 2787 020c 1bec 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
4.09	1811	159	3			86.17		158.09	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6db2 158b 2786 020c 1c4c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
21.59	1811	159	3			88.08		140.44	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6db2 1605 231c 0acc 1c4c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
22.84	1819	160	3						87.92	139.16	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:49.430	Radar Report Msg	0b01 001c 003a 6dbc 15fb 22ca 0b6c 1c6c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
3.97	1859	163	3						85.89	158.22	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6dbc 1579 278e 01fc 1d0c 0203 0300 0001 0203 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:49.510	329	2	4657		-134	+183			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+24.39	-25.08	135	34.96	1545 136	34.99	103.00	131.42	227	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
323	+7029	+6900	+6900	+6900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:49.510	Active Track Maintenance Msg	1700 0058 0000 d7a0 0000 dbaa 0000 d7a0 003a 6c52 fbf7 0000 0c32 f376 0000 0000 f678 0d10 0000 6097 22fe 09af 6090 22fc 0002 19c0 20db 102b 0149 0000 0000 354a 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:49.510	561	2	4745		-154	+120			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
+16.84	-17.52	136	24.27	1548 136	24.30	97.61	140.64	196	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
308	+5629	+5500	+5500	+5401	-21	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 a8cd 0000 afea 0000 abe6 003a 6c56 fbf7 ff55 086b f73e 0000 0000
f500 0892 0000 60cc 184e 09e5 60d0 184c 0001 1867 2329 0df1 0231 0000 0000 0b3c
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:49.510 98 2 3253 +42 -183 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 6
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+8.48 -10.63 141 13.57 1606 141 13.65 91.28 149.42 188 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
167 +5029 +4900 +4904 +4813 -19 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 966e 0000 9d2a 0000 9943 003a 6c9a fbf7 ff62 043e faaf 0000 0000
0302 f2f3 0000 6465 0da6 06ab 6490 0d9c 0307 16d2 255b 0d65 0062 0000 0000 0000
061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:49.510 278 2 4613 +263 +65 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+17.38 -21.30 140 27.45 1600 141 27.46 97.17 136.84 271 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
76	+6029	+5900	+5906	+5906	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 b897 0000 bc6a 0000 b894 003a 6c92 fbf7 0001 08b1 f559 0000 0000 12b9 04ae 0000 6406 1b77 098b 6420 1b80 0307 184b 2236 134c 0116 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:49.510	7	2	1275			-3	+10		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+41.67	-14.40	109	44.04	1240 109	44.07	122.39	137.38	11	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
341	+0	+0	+0	+0	+0	00000	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 0000 0000 0000 0000 0000 003a 6afc 0000 0000 14d6 f8cd 0000 0000 ffbd 00c7 0000 4d8d 2c11 02bd 4d90 2c18 1e96 1e99 2258 00d2 0007 0000 0000 0300 0000 2600 0203 1000 0300 0100 0000 0001 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:49.270	15	3.97	1906	168	5		85.63	158.22	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:49.510	Radar Report Msg	0b01 001c 003a 6e16 1568 278e 01fc 1dc8 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	4.09	1859	163	1			85.89	158.08	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6e16 1579 2785 020c 1d0c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	21.97	1888	166	5				85.53		139.94	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6e16 1562 22fc 0afc 1d80 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:49.610	328		2	6655		+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+19.80	-22.22	138	29.70	1573 138	29.76	99.25	135.31	157	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1329	+1200	+0	+1329	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:49.610	Active Track Maintenance Msg	1700 0058 0000 298a 0000 298a 0000 0000 0000 0000 fbf7 0000 09e6 f4e4 0000 0000 0000 0000 0000 6258 1dc2 0dad 6258 1dc2 0000 18d0 21d4 0b3a 0148 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:49.730	406		2	4622		-152	-2		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+11.66	-21.98	152	24.82	1730 152	24.89	91.48	137.64	152	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
269	+3929	+3800	+3787	+3743	-9	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:49.730 Active Track Maintenance Msg 1700 0058 0000 74fe 0000 7aca 0000 7659 003a 6d22 fbf7 ffb6 05d4 f503 0000 0000
f523 ffd9 0000 6c26 18e3 0992 6c20 18e0 0000 16df 2269 0add 0196 0000 0000 1a88
051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:49.730	312	2	3220			-136	-48		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+6.21	-14.49	156	15.71	1783 157	15.75	88.11	146.25	144	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
250	+1329	+1200	+1162	+1052	-23	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 20e7 0000 298a 0000 2454 003a 6d5f fbf7 ff44 031b f8c1 0000 0000
f64a fc93 0000 6f7e 0fc0 0690 6f80 0fc4 a006 1607 2490 0a4c 0138 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:49.730 530 2 4643 -272 +186 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+22.30 -43.65 153 48.97 1740 153 49.02 96.27 114.08 330 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
304 +20000 +20000 +20000 +20000 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0002 7100 0002 7100 0002 7100 003a 6d2d 0000 0000 0b27 ea2d 0000 0000
ec99 0d4b 0000 6cce 3105 09a3 6cc0 3104 0000 1811 1c85 1785 0212 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:49.730 176 2 4772 +158 +47 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+3.79 -10.42 160 11.03 1821 160 11.09 86.80 150.81 165 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
73	+4629	+4500	+4508	+4428	-17	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 8a61 0000 90aa 0000 8ce0 003a 6d88 fbf7 ff71 01e5 faca 0000 0000 0b43 035e fffe 71d4 0b16 09fa 71d0 0b18 0201 15b3 25b4 0bc1 00b0 0000 0000 13f0 051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:49.730	431		2				-22	-132	RADAR-ONLY: NO

FIRMNESS: 33

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: NO
+32.82	-19.72	121	38.26	1376 121	38.29	112.52	134.45	134	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
189	CST	CST	+1772	+1702	-15	+0	11110

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 3534 0000 3c4a 0000 3766 003a 47c6 fbf7 ff87 1069 f624 0000 0000
		fe5f f694 0000 560d 264b 05dc 55b0 262c 0000 1c21 219d 0990 01af 0000 0000 0000
		031e 2100 0203 1001 0303 0000 0000 0001 0100 0000 0000 0101

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:49.830	310		2	1051			+435	+109	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+5.97	-32.04	169	32.54	1929 170	32.61	83.44	129.53	448	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
76	+21800	+21800	+21775	+21944	+36	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:49.830 Active Track Maintenance Msg 1700 0058 0002 adc2 0002 a940 0002 a87a 003a 6e01 0000 0126 02fc effb 0000 0000
1ef4 07c6 0000 7891 209c 0229 7880 2098 0b01 14dc 2062 1fea 0136 0000 0000 174c
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:49.520	17	4.44	1976	174	2		85.17	157.75	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6efc 154b 2770 0238 1ee0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		4.16	2003	176	1		85.05	158.08	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6efc 1543 2785 0214 1f4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.13	2070	182	4			84.38	157.17	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:49.850	Radar Report Msg	0b01 001c 003a 6f56 1518 274b 0290 2058 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.31	2092	184	2			84.16	157.03	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6f56 150a 2742 02a8 20b0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:49.730	19	4.44	2218	195	1		83.72	158.25	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:49.950	Radar Report Msg	0b01 001c 003a 6fd8 14ee 2790 0238 22a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	31.53	2163	190	3			72.56	133.25	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 6fd8 1224 2150 0fc4 21cc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	4.44	2243	197	1			83.59		158.33		1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 6fd8 14e6 2795 0238 230c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:50.050	160	2	4645		+242	+270			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+2.91	-13.98	168	14.23	1918 169	14.25	85.06	147.73	363	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
42	+13429	+13300	+13276	+13672	+93	+3	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:50.050	Active Track Maintenance Msg	1700 0058 0001 ab41 0001 a3aa 0001 9ee7 003a 6df1 fbf7 02ea 0175 f902 0000 0000
		1147 1339 001a 77e4 0e3f 09a5 77a0 0e48 0cb6 1544 24ef 19d8 00a0 0000 0000 0000
		041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:50.050	219	2	1060		-402	-142			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+0.88	-17.41	177	17.39	2015 177	17.43	82.41	145.69	427	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
250	+35000	+35000	+35000	+35000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0004 45c0 0004 45c0 0004 45c0 003a 6e62 0000 0000 0071 f74c 0000 0000
e359 f5d5 0000 7df2 116d 0230 7df0 1170 0002 149a 246c 1e68 00db 0000 0000 6902
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:50.050	449	2	7242		-314	+141			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-0.16	-33.85	180	33.81	2050 180	33.86	77.16	129.53	344	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
294	+32700	+32700	+32742	+32820	+16	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0004 01a0 0003 fde0 0003 ff34 003a 6e8b 0000 0086 ffec ef13 0000 0000
e9ab 0a12 0000 8029 21dc 0ea2 7fff 21dc 1d00 134a 2062 1880 01c1 0000 0000 253f
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:50.050 580 2 4614 -60 +49 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-0.17 -18.33 180 18.31 2055 181 18.35 80.97 144.17 78 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
309 +4629 +4500 +4546 +4590 +9 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 8f72 0000 90aa 0000 8e10 003a 6e8e fbf7 004d ffea f6d6 0000 0000
fbb2 038e 0000 8070 1259 098c 7fff 1254 0848 143e 240b 0595 0244 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:50.050 361 2 1022 -201 -78 RADAR-ONLY: NO
FIRMNESS: 30
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 6
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-2.94 -17.09 189 17.31 2157 190 17.32 78.61 146.06 215 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
248	+3229	+3100	+3115	+3345	+49	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:50.050	Active Track Maintenance Msg	1700 0058 0000 688d 0000 64ea 0000 6159 003a 6f04 fbf7 018b fe88 f775 0000 0000
		f1af fa74 ffff 86d3 1153 0212 7fff 1158 0000 13a7 2484 0f5a 0169 0000 0000 0100
		061f 1e00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	10.91	2291	201	3			79.42		153.11		3		RT		2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:50.050	Radar Report Msg	0b01 001c 003a 7046 13db 2647 0574 23cc 0203 0300 0003 0003 1d00 0000
01:03:50.170	Delete Track Msg	1704 0008 0056 0910

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:50.170	49	2	6311		+361	-84			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-10.77	-44.16	193	45.41	2203 194	45.47	64.19	121.89	371	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
103	+10929	+10800	+10777	+10645	-28	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:50.170	Active Track Maintenance Msg	1700 0058 0001 4cac 0001 558a 0001 50c8 003a 6f37 fbf7 ff1d fa9d e9ec 0000 0000 19b1 f9fc 0000 89b2 2d78 0cc9 7fff 2d74 0000 100c 1e79 1a63 0031 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:49.930	20	29.41	2519	221	5		61.41	145.45	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:50.170	Radar Report Msg	0b01 001c 003a 70a0 0f5a 245d 0eb4 275c 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	5.56	2531	222	1		81.30	158.95	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 70a0 1453 27bd 02c8 278c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	5.56	2506	220	1					81.41	158.78	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 70a0 145a 27b2 02c8 2728 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
01:03:50.040	21	6.44	2593	228	2				80.23	158.97	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7118 140f 27be 0338 2884 0202 0200 0001 0103 1d00 0000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:50.390	Delete Track Msg	1704 0008 0132 0510

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:50.390	379	2	6312		+275	+10			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5
-6.57	-12.47	207	14.06	2363 208	14.07	76.31	151.50	275	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
87	+8929	+8800	+8784	+8632	-31	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:50.390	Active Track Maintenance Msg	1700 0058 0001 0dc0 0001 170a 0001 1281 003a 6feb fbf7 ff04 fcb7 f9c4 0000 0000 1397 00c0 0005 93b0 0e13 0cca 7fff 0e18 0000 1314 25e0 139b 017b 0000 0000 9e50 051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC STR	SC	TYP	SYS
01:03:50.250	22	20.66	2635	232	3		66.92	153.55	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:50.490	Radar Report Msg	0b01 001c 003a 7190 10bb 2663 0a54 292c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC STR	SC	TYP	SYS

| | | |

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7190 1314 276f 0538 2938 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
10.13	2659	234	3						76.48	158.16	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7190 131f 278a 0510 298c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
7.22	2666	234	1						79.20	159.31	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7190 13cd 27d4 039c 29a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
5.97	2581	227	4						80.72	159.09	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7190 142e 27c6 02fc 2854 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS

6.63	2635	232	2		79.89	159.25	2		RT	2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7190 13f9 27d0 0350 292c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	4.44	2714	239	2			81.81	160.64	2			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:50.510	Radar Report Msg	0b01 001c 003a 71ea 1474 2829 0238 2a68 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	6.69	2678	235	2			79.67	159.63	2			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 71ea 13eb 27e8 0358 29d8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	X	SYSTEM NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
	15.47	2663	234	2					71.44		156.25		2		RT		2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 71ea 11dc 2710 07bc 299c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	X	SYSTEM NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
	8.69	2666	234	1					77.80		158.78		1		RT		2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 71ea 1373 27b2 0458 29a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	X	SYSTEM NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
	8.72	2746	241	4					77.45		159.77		4		RT		2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 71ea 135d 27f1 045c 2ae8 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	X	SYSTEM NM	Y	NM	PROC STAT	STR	SC	TYP	SYS

	2.00	2795	246	3		84.61	161.64	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:50.530	Radar Report Msg	0b01 001c 003a 71fe 1527 2869 0100 2bac 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	9.66	2735	240	2		76.58		159.38		2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 71fe 1325 27d8 04d4 2abc 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	11.03	2819	248	1		74.95		160.39		1		RT	2				

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 71fe 12bd 2819 0584 2c0c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	15.75	2746	241	2					70.56	158.05	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 71fe 11a4 2783 07e0 2ae8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	10.94	2789	245	4					75.13	159.92	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 71fe 12c8 27fb 0578 2b94 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	15.22	2839	250	4					70.72	160.30	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 71fe 11ae 2813 079c 2c5c 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:

01:03:50.680 173 2 6307 +503 -229 RADAR-ONLY: NO
FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES INHIBIT MSAW PROCESS: INHIBIT MSAW DISPLAY:
-12.90	-11.80	227	17.43	2589 228	17.50	71.03	154.08	553	

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
114	+33000	+33000	+33000	+33000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:50.680	Active Track Maintenance Msg	1700 0058 0004 0740 0004 0740 0004 0740 003a 70e8 0000 0000 f98d fa19 0000 0000 23ce efb2 0000 a1db 1180 0cc7 7fff 117c 7f00 11c2 2685 2758 00ad 0000 0000 e954 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	12.00	2842	250	1			73.94	160.69	1		RT	2				

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:03:50.680 Radar Report Msg 0b01 001c 003a 7262 127c 282c 0600 2c68 0201 0100 0001 0000 1d00 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:50.710 275 2 0257 +0 +0 RADAR-ONLY: NO
FIRMNESS: 63
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 0
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+35.59 +0.80 88 35.57 1009 89 35.59 120.38 153.55 95 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
0 +1829 +1700 +0 +1829 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:03:50.710 Active Track Maintenance Msg 1700 0058 0000 392a 0000 392a 0000 0000 0000 0000 fbf7 0000 11cb 0066 0000 0000
0000 0000 0000 3f16 2398 00af 3f16 2398 0000 1e18 2663 06d1 0113 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:50.850 304 2 7342 -318 +163 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-28.34 -20.42 234 34.88 2663 234 34.95 53.61 149.44 358 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW

297 +35000 +35000 +35001 +35002 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:50.850	Active Track Maintenance Msg	1700 0058 0004 45d6 0004 45c0 0004 45cf 003a 713e 0000 0002 f1d4 f5ca 0000 0000 e957 0ba4 0000 a67a 22f3 0ee2 7fff 22f0 0000 0d67 255c 197a 0130 0000 0000 5e9e 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:50.850	8	2	1273		-2	-6			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID
-37.73	-33.26	228	50.26	2601 229	50.30	40.86	139.23	6	ALTITUDE: YES

FIRMNESS: 10

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
197	-899	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 ffff e3e1 ffff e3e1 ffff e3e1 003a 70f6 0000 0000 ed23 ef5f 0000 0000
ffdb ff8b 0000 a29f 324c 02bb 7fff 324c 1be0 0a37 22cf 007a 0008 0000 0000 0000
0a1f 2603 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:50.850 319 OPT708 2 4725 4725 1W +117 +26 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-0.70 -0.55 234 0.85 2635 232 0.89 84.95 161.48 120 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
77 +929 +800 +768 +714 -11 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 1653 0000 1d0a 0000 1803 003a 711f fbf7 ffa3 ffa6 ffba 0000 0000
0862 01dd 0000 a4b3 00e3 09d5 7fff 00e4 0000 153d 285f 0896 013f 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0004 0000 0000 0000 0202 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0003
0000 0200 0000 0600 0000 0000 0000 0000 8000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09d5 0003 0122 ffff ffff 002a 0168 0000
0000 0000 0000 02b8 0000 0001 0001 0000 0000 0000 005b 0000 0096 00f5 013f 0092
0000 00be 0000 010d 008c 01a6 0000 0000 0000 0000 0000 0000 0000 022e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0001 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 03ff 0100 0000 0000 0000 0000 0100 0000 0000 0001 0001 0502

0001 0000 0000 0031 4245 3430 0000 0000 504d 4400 4255 5200 2020 2020 2020 2020
2020 0000 4f50 5437 3038 0000 0000 0032 3931 0000 0057 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:50.850	586	2	4673		+322	+6			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-17.98	-12.09	236	21.61	2686 236	21.66	65.38	154.72	322	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
88	+10229	+10100	+10056	+9979	-16	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 37da 0001 3faa 0001 3a43 003a 7155 fbf7 ff7b f702 f9f4 0000 0000
16eb 0073 0000 a7e8 15aa 09bb 7fff 15ac 0000 1058 26ae 16ec 024a 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:50.860 591 N31F 2 0260 0260 1Y +45 +79 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-7.78 -2.96 249 8.29 2834 249 8.34 77.50 160.95 91 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: YES
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
29 +1929 +1800 +1800 +1777 -4 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:03:50.860 Active Track Maintenance Msg 1700 0058 0000 378d 0000 3c4a 0000 3844 003a 71fd fbf7 ffd9 fc1c fe85 0000 0000
0335 05af 0000 b125 0857 00b0 7fff 0854 0600 1360 283d 0686 024f 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 00b0 008a 0104 ffff ffff 003d 000e 0000
0000 0000 0000 0000 0000 008a 008a 0000 0000 0000 0000 0000 00c9 0215 024f 015c
0000 00b1 0000 013a 00d7 00d5 0000 0000 0000 0000 0000 0000 0000 0448 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0004 2020 2fff 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0702

0001 0000 0000 0043 0000 0000 0000 0000 0000 0000 564e 5900 2020 2020 2020 2020
2020 0000 4e33 3146 0000 0000 0000 0000 0000 0000 0059 0000 0000 0020 564e 5900
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:50.580	24	15.38	2995	263	4			70.63		163.94	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7334 11a8 28fc 07b0 2ecc 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:51.070	424		2	7234		+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
-0.60	-16.13	182	16.13	2072 182	16.13	81.08	146.41	160	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1429	+1300	+0	+1429	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:51.070	Active Track Maintenance Msg	1700 0058 0000 2caa 0000 2caa 0000 0000 0000 0000 fbf7 0000 ffb3 f7f0 0000 0000 0000 0000 0000 8184 1022 0e9c 8184 1022 0000 1445 249a 0b61 01a8 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:51.080	545	N4171H	2	4706	4706	0	-153	-45	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-22.80	-5.79	255	23.46	2910 256	23.54	62.25	162.02	160	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
253	+4029	+3900	+3900	+3900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:51.080 Active Track Maintenance Msg 1700 0058 0000 79e0 0000 7dea 0000 79e0 003a 7251 fbf7 0000 f499 fd1b 0000 0000
f513 fcc9 0000 b5e3 1789 09c6 7fff 1788 0003 0f90 2881 0b63 0221 0000 0000 62fe
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09c6 0000 0028 0028 0028 001e 003d 0000
0000 0000 0000 0000 0000 0001 0003 0000 0000 0000 0068 0000 011a 0115 0221 0235
0000 0000 0000 00a7 0144 0075 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0000 0000 0100 0000 0100 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 21ff 0600 0000 0000 0000 0000 0100 0000 0000 0001 0000 0502
0001 0000 0000 0036 4d32 3050 0000 0000 5748 5000 4f58 5200 2020 2020 2020 2020
2020 0000 4e34 3137 3148 0000 0000 0034 3534 3234 3400 0000 0000 0020 4f58 5200
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: OVR
01:03:51.080 274 N8063T 2 4763 4763 1V +120 +38 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-17.64 -3.41 259 17.94 2946 259 17.97 67.88 163.00 126 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
72 +6629 +6500 +6503 +6596 +19 +0 10111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 ce20 0000 cf2a 0000 cb3c 003a 727b fbf7 009e f72e fe4b 0000 0000
0895 02b7 0000 b82d 11f8 09f3 7fff 11f8 a007 10f8 28c0 0901 0112 0000 0000 0100
0417 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09f3 0005 0032 ffff 0032 002c 022a 0000
0000 0000 0000 01b8 0000 0003 0015 0000 0000 0000 00ae 0000 0070 0245 0112 00cb
0000 002d 0000 0194 0133 0144 0000 0000 0000 0000 0000 0000 0000 042f ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 00ff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0036 5041 3332 0000 0000 4f58 5200 4844 4600 2020 2020 2020 2020
2020 0000 4e38 3036 3354 0000 0000 0030 3030 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE--- ASSIGNED	BEACON CODE--- REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:51.080	475	N6887L	2	4714	4714	1W	+183	+18	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
-19.46	-1.46	265	19.49	3023 266	19.50	66.59	165.34	184	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	ALT SLID WINDOW
84	+4929	+4800	+4799	+4793	-1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:51.080	Active Track Maintenance Msg	1700 0058 0000 95cc 0000 9a0a 0000 95fc 003a 72d0 fbf7 fff7 f645 ff45 0000 0000
		0d06 0154 0000 bcfd 1381 09cc 7fff 1384 08dc 10a6 2956 0d18 01db 0000 0000 0000
		061f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0004 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 2000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09cc 0003 0000 ffff 0032 0038 0253 0000
0000 0000 0000 00b2 0000 0003 0000 0000 0000 0000 00f2 0000 0014 0138 01db 00c3
0000 01ee 0000 0062 0054 01c9 0000 0000 0000 0000 0000 0000 0000 025c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 1dff 0600 0000 0000 0000 0000 0100 0000 0000 0001 0001 0502
0001 0000 0000 0036 4334 3231 0000 0000 4f58 5200 4343 4200 2020 2020 2020 2020
2020 0000 4e36 3838 374c 0000 0000 0037 3937 0000 0057 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:51.080 297 2 1056 -12 +95 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-41.10 -2.46 266 41.13 3033 267 41.16 45.42 169.88 96 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
352 +5829 +5700 +5720 +5791 +15 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 b4f8 0000 b62a 0000 b2c0 003a 72dc fbf7 007b eb73 fec5 0000 0000

ff22 06ce 0000 bd94 292a 022e 7fff 292c 14bb 0b5b 2a78 06dc 0129 0000 0000 0101
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:51.080	87	CPF420	2	4664	4664	1X	+76	-67	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-5.00	-0.16	268	5.00	3049 268	5.00	80.94	162.94	102	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
131	+4929	+4800	+4813	+4869	+12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 982f 0000 9a0a 0000 966b 003a 72ef fbf7 0062 fd80 ffeb 0000 0000
		0579 fb38 0000 be9b 04ff 09b4 7fff 0500 1d00 143c 28bc 0744 0057 0000 0000 2a8d
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09b4 0015 0032 0032 0032 003c 017c 0000
0000 0000 0000 0000 0000 0001 0026 0000 0000 0000 00ed 0000 01b0 009b 0057 0201
0000 016b 0000 0010 0184 0185 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2eff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 4332 3036 0000 0000 5748 5000 544f 4100 2020 2020 2020 2020
2020 0000 4350 4634 3230 0000 0000 0035 3634 0000 0058 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:51.080 9 2 1275 +4 -10 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-12.49 -11.02 228 16.60 2602 229 16.68 70.91 154.36 11 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
157 -470 -599 -599 -599 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 ffff ed41 ffff f14b ffff ed41 003a 70f6 fbf7 0000 f9c1 fa7e 0000 0000

0050 ff3d 0000 a2a0 10ae 02bd 7fff 10a8 053c 11ba 2697 00d3 0009 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:50.820	26	13.72	3119	274	4		72.88	166.22	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:51.080	Radar Report Msg	0b01 001c 003a 73ca 1238 298e 06dc 30bc 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	13.00	3142	276	2			73.72	166.42	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 73ca 126e 299b 0680 3118 0202 0200 0001 0103 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
13.44	3130	275	1				73.22	166.34	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 73ca 124e 2996 06b8 30e8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
42.09	3146	277	4				46.56	177.03	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 73ca 0ba4 2c42 150c 3128 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
13.13	3219	283	3				74.22	167.86	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 73ca 128e 29f7 0690 324c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
10.06	3234	284	5				77.08	166.63	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:51.080 Radar Report Msg 0b01 001c 003a 7424 1345 29a8 0508 3288 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
10.13	3259	286	2				77.22	167.00	2				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7424 134e 29c0 0510 32ec 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
10.16	3235	284	1				77.00	166.69	1				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7424 1340 29ac 0514 328c 0201 0100 0001 0000 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	37.59	3259	286	4			53.63	181.23	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7424 0d68 2d4f 12cc 32ec 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	13.91	3282	288	4			74.20	169.38	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7424 128d 2a58 06f4 3348 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:50.920	27	4.97	3317	292	4			81.98	164.61	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:51.180	Radar Report Msg	0b01 001c 003a 747e 147f 2927 027c 33d4 0204 0400 0004 0101 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.59	3422	301	5			82.75	164.89	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 747e 14b0 2939 024c 3578 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:51.290	362		2	0006	+301	-328			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-27.79	+2.86	275	27.89	3139 276	27.90	59.73	171.61	445	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
137	+15929	+15800	+15777	+15790	+2	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:51.290	Active Track Maintenance Msg	1700 0058 0001 ed73 0001 f1ca 0001 ed0d 003a 7353 fbf7 0016 f21b 016e 0000 0000
		1574 e8a6 0000 c43c 1be6 0006 7fff 1bf0 0001 0eef 2ae7 1fb5 016a 0000 0000 73ca
		041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:51.290 84 N774CS 2 3376 3376 1W +153 -149 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-22.33 +5.77 284 23.04 3235 284 23.07 65.69 173.06 214 INHIBIT MSAW PROCESS: YES
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
134 +10029 +9900 +9902 +9864 -8 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0001 3444 0001 396a 0001 3577 003a 73c1 fbf7 ffbe f4d6 02e3 0000 0000
0af1 f563 0000 ca3e 1711 06fe 7fff 1710 0000 106c 2b44 0f3f 0054 0000 0000 1a38
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 06fe 0003 012c ffff f830 0037 01ab 0000
0000 0000 0000 0142 0000 0007 002e 0000 0000 0000 00a9 0000 0215 0249 0054 0250
0000 0000 0000 0213 0091 014a 0000 0000 0000 0000 0000 0000 0000 03cb ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2056 2eff 0000 0000 0000 0000 0000 0101 0003 0000 0001 0001 0502
0001 0000 0000 0043 4332 3130 0000 0000 5341 3900 544f 4100 2020 2020 2020 2020
2020 0000 4e37 3734 4353 0000 0000 0036 3032 0000 0057 0000 0000 0020 0000 004f
4646 5620 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

01:03:51.290 Delete Track Msg 1704 0008 01ee 0510

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	7.28	3453	303	2			81.03		167.13	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:51.290	Radar Report Msg	0b01 001c 003a 74f6 1442 29c8 03a4 35f4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	3.34	3395	298	3			83.63		163.83	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 74f6 14e8 28f5 01ac 350c 0203 0300 0003 0003 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.19	3427	301	4			80.89	166.86	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 74f6 1439 29b7 0398 358c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	43.72	3439	302	5			55.94	193.73	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 74f6 0dfc 306f 15dc 35bc 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	9.25	3471	305	2			79.88	168.78	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:51.290	Radar Report Msg	0b01 001c 003a 7500 13f8 2a32 04a0 363c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	8.97	3515	309	4			80.53	168.94	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 7500 1422 2a3c 047c 36ec 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:51.510	194	DDA77	2	4043	4043	0	+365	-342	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8
-44.56	+18.77	292	48.34	3331 293	48.30	47.52	191.23	500	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
133	+19600	+19600	+19602	+19265	-73	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:51.510	Active Track Maintenance Msg	1700 0058 0002 5a0e 0002 6480 0002 6497 003a 742c 0000 fdb8 e9b8 0963 0000 0000
		1a03 e7ad 0000 d037 304e 0823 7fff 305c 0000 0be1 2fcf 239c 00c2 0000 0000 0000
		081f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0823 0000 0136 ffff 0172 003f 0204 0000
0000 0000 0000 0001 0007 0007 0007 0000 0000 0000 00ab 0000 0090 00b2 00c2 0000
0000 0000 0000 00c8 0155 0189 0000 0000 0000 0000 0000 0000 0000 023d ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000 0100 0000
0100 0000 0001 0000 0001 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0005 2000 2fff 0000 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0102
0001 0000 0000 0043 4c4a 3335 0000 0000 4649 4d00 564e 5900 2020 2020 2020 2020
2020 0000 4444 4137 3700 0000 0000 0033 3535 0000 0000 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:51.610 56 2 4752 -135 +181 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-27.70 +22.03 308 35.36 3509 308 35.40 64.59 190.13 226 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
323 +12029 +11900 +11900 +11900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:03:51.610 Active Track Maintenance Msg 1700 0058 0001 73e0 0001 77ea 0001 73e0 003a 74f4 fbf7 0000 f227 0b04 0000 0000

f660 0ce0 0000 db55 2367 09ea 7fff 2364 0100 1026 2f88 1013 0038 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:51.610	400	2	4675		-195	-41			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-41.37	+33.11	308	52.91	3511 309	52.98	54.19	204.30	199	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
258	+14029	+13900	+13900	+13900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 b260 0001 b66a 0001 b260 003a 74f7 fbf7 0000 eb51 108e 0000 0000
		f21c fd15 0000 db74 34fa 09bd 7fff 34fc 1202 0d8c 3313 0e32 0190 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:51.610 51 2 1331 -199 +276 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-24.62 +17.73 305 30.27 3479 306 30.35 66.72 184.91 340 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
324 +31000 +31000 +31000 +31000 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0003 c8c0 0003 c8c0 0003 c8c0 003a 74d1 0000 0000 f3b1 08de 0000 0000
f1ca 13a5 0000 d970 1e59 02d9 7fff 1e58 0000 10ae 2e3a 183f 0033 0000 0000 010e
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:51.610 392 2 7304 -253 +260 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 3
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-25.94 +21.95 310 33.97 3529 310 33.97 66.36 189.48 363 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
315 +22900 +22900 +22950 +23094 +31 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0002 d1b7 0002 cba0 0002 cd30 003a 750b 0000 00fa f308 0afa 0000 0000
ee02 1289 0000 dc9d 21f8 0ec4 7fff 21fc a009 1097 2f5f 19d5 0188 0000 0000 0000
031f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:51.610	384	2		1200		+94	+62		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-34.72	-1.49	267	34.71	3043 268	34.73	51.83	169.19	113	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
56	+5629	+5500	+5500	+5500	+0	+0	11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 abe0 0000 afea 0000 abe0 003a 72e8 fbf7 0000 eea4 ff41 0000 0000
		06bb 0471 0000 be3c 22bc 0280 7fff 22c0 0000 0cf5 2a4c 0810 0180 0000 0000 0100
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:03:51.240	29	10.25	3624	319	5	81.20		170.86	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:51.620	Radar Report Msg	0b01 001c 003a 75d2 144d 2ab7 0520 38a0 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	5.03	3681	324	4		84.00		166.25	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 75e6 1500 2990 0284 3984 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	4.75	3707	326	1		84.28		166.03	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:51.640	Radar Report Msg	0b01 001c 003a 7640 1512 2982 0260 39ec 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.25	3674	323	2			83.86	166.45	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7640 14f7 299d 02a0 3968 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:51.730	59	2	4603		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+53.15	+10.84	78	54.21	892 78	54.24	139.80	158.78	322	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+21600	+21600	+0	+21600	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:51.730	Active Track Maintenance Msg	1700 0058 0002 a300 0002 a300 0000 0000 0000 0000 0000 0000 1a93 056b 0000 0000
		0000 0000 0000 37ce 363d 0983 37ce 363d 0000 22f3 27b2 16f3 003b 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:51.490	31	7.72	3811	335	1		84.41	169.25	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:51.740	Radar Report Msg	0b01 001c 003a 76c2 151a 2a50 03dc 3b8c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED:
01:03:51.830	322	N900RL	2	3601	3601	1F	+23	-240	RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5
-10.33	+11.87	318	15.68	3627 319	15.73	78.80	175.91	241	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS: NO
									INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
174	+7129	+7000	+6998	+6882	-24	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:51.830	Active Track Maintenance Msg	1700 0058 0000 d710 0000 deca 0000 dab1 003a 757a fbf7 ff39 fad6 05ef 0000 0000
		01b1 eee1 0001 e2bc 0fbc 0781 7fff 0fbc 0000 13b3 2bfa 1134 0142 0000 0000 010e
		051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000

0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0781 0001 0122 ffff 01c2 0037 01b6 0000
0000 0000 0000 0000 00ba 0000 0001 008a 0000 0000 0000 008f 0000 012b 00a5 0142 009b
0000 01c6 0000 01cb 000c 020d 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0100 0000 0000 0000 0000 0100 0003 0000 0001 0001 0702
0001 0000 0000 0031 474c 4634 0000 0000 504d 4400 5656 5600 2020 2020 2020 2020
2020 0000 4e39 3030 524c 0000 0000 0035 3736 0000 0046 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: DEP
01:03:51.830 74 N40905 2 6701 6701 0 -55 +66 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-9.10 +15.67 329 18.06 3752 330 18.15 80.95 179.23 86 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
320 +10029 +9900 +9882 +9882 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

01:03:51.830 Active Track Maintenance Msg 1700 0058 0001 34d2 0001 396a 0001 34d2 003a 7606 fbf7 0000 fb73 07d6 0000 0000
fc0a 04be 0000 ea81 1227 0dc1 7fff 1220 003a 143d 2ccf 062e 004a 0000 0000 2e40
041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0dc1 0000 0064 0064 0064 058a 0094 0000
0000 0000 0000 0000 0000 0058 0005 0000 0000 0000 029c 0000 01cc 012f 004a 01c6
0000 0213 0000 0001 0134 005a 0000 0000 0000 0000 0000 0000 0000 00dc ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 9900 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
0001 0000 0000 0043 5032 3852 0000 0000 4d59 4600 4c48 5300 2020 2020 2020 2020
2020 0000 4e34 3039 3035 0000 0000 0035 3837 0000 0000 0000 0000 0020 0000 0056
3539 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

END TIME START TIME TARGET REPORTS: LIVE SIMULATED VALID MODE-C: 0

01:03:51.690 01:03:47.080 RADAR-ONLY 113 0 0.0%
SENSOR = 2 BEACON-ONLY 0 0
RADAR & BEACON 0 0 VALID MODE-3/A: 0
TOTAL 113 0 0.0%

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:51.950	Sensor Sector Mark Msg	1715 000c 003a 778a 0000 0200

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:51.950	532	2		0772		+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+61.01	-0.20	90	61.00	1026 90	61.01	144.64	146.11	244	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+16029	+15900	+0	+16029	+0	+0	11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:51.950	Active Track Maintenance Msg	1700 0058 0001 f4ea 0001 f4ea 0000 0000 0000 0000 fbf7 0000 1e81 ffe6 0000 0000
		0000 0000 0000 4022 3d02 01fa 4022 3d02 0000 2429 2487 115a 0214 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:51.690	0	29.66	3940	346	3		86.27	191.42	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:51.950	Radar Report Msg	0b01 001c 003a 778a 1591 2fdb 0ed4 3d90 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		25.47	3987	350	3		88.02	187.14	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 778a 1601 2ec9 0cbc 3e4c 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:52.170	358	2	7303		+28	+318			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X	DISPLAY NM	DISPLAY Y	DISPLAY NM	PRED_AZIM AZI DEG	PREDICTED RANGE NM	ACP	DEG	SYSTEM RANGE NM	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6
-2.14		+13.81		351	13.97	3995	351	13.97	87.19		175.52		319	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID

DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
5	+16329	+16200	+16180	+16337	+34	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:52.170	Active Track Maintenance Msg	1700 0058 0001 fe8f 0001 fe4a 0001 f9a5 003a 7717 fbf7 0117 feee 06e8 0000 0000 020d 16a6 0003 f9b7 0df8 0ec3 7fff 0dfc 0000 15cc 2be1 16be 0166 0000 0000 00d1 061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT			
01:03:51.810	1	5.06	4012	353	3		86.38	166.59	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:52.170	Radar Report Msg	0b01 001c 003a 7802 1598 29a6 0288 3eb0 0203 0300 0001 0203 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
10.59	3995	351	1				86.83	172.25	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7802 15b5 2b10 054c 3e6c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
11.09	4057	357	3				87.91	172.59	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7802 15fa 2b26 058c 3f64 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.88	54	5	2				87.64	167.16	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7802 15e9 29ca 02f0 00d8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
8.88	22	2	2				88.27	170.19	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:52.170 Radar Report Msg 0b01 001c 003a 787a 1611 2a8c 0470 0058 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
	5.81	24	2	4						87.38		167.17	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 787a 15d8 29cb 02e8 0060 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
	6.34	122	11	2						88.39		167.38	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 787a 1619 29d8 032c 01e8 0202 0200 0001 0103 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	6.19	98	9	3			88.13	167.31	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 787a 1608 29d4 0318 0188 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.69	235	21	3			91.88	170.45	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 787a 16f8 2a9d 0558 03ac 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:52.020	2	10.34	195	17	1		91.14	170.52	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:52.280	Radar Report Msg	0b01 001c 003a 78de 16c9 2aa1 052c 030c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.47	227	20	1			91.64	170.34	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 78de 16e9 2a96 053c 038c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	17.72	278	24	5					96.89	175.52	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 78de 1839 2be1 08dc 0458 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
01:03:52.480	6	7.22	489	43	2				91.70	165.59	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:52.720	Radar Report Msg	0b01 001c 003a 7a28 16ed 2966 039c 07a4 0202 0200 0001 0103 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
54.59	468	41	4			130.89	192.48	4				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7a28 20b9 301f 1b4c 0750 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.41	515	45	1			92.02	165.45	1				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7a28 1701 295d 03b4 080c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
3.69	697	61	2			88.97	162.64	2				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:52.740	Radar Report Msg	0b01 001c 003a 7aaa 163e 28a9 01d8 0ae4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
3.59	714	63	1			88.89	162.53	1				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

	Radar Report Msg	0b01 001c 003a 7aaa 1639 28a2 01cc 0b28 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	4.03	732	64	7			89.39		162.53	7		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7aaa 1659 28a2 0204 0b70 0207 0700 0003 0302 1d00 0000
01:03:52.830	Delete Track Msg	1704 0008 012b 0910

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:52.930	311	2	3275		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+27.46	-22.65	129	35.56	1473 130	35.59	106.55	132.95	235	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:52.930	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0dbb f4ad 0000 0000
		0000 0000 0000 5c19 2398 06bd 5c19 2398 0000 1aa3 213d 10b7 0137 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:52.690	7	3.91	776	68	2		89.28	162.27	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:52.940	Radar Report Msg	0b01 001c 003a 7b68 1652 2891 01f4 0c20 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		4.34	858	75	1		89.80	161.83	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7b68 1673 2875 022c 0d68 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE ASSIGNED	BEACON CODE REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:53.050	460	EJA631	2	4757	0	-270	-157		RADAR-ONLY: NO
									FIRMNESS: 30

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: NO INHIBIT MSAW PROCESS: NO INHIBIT MSAW DISPLAY: NO
+7.50	+28.14	15	29.11	169	15 29.13	100.11	187.09	313	

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
239	CST	CST	+13787	+13743	-9	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:53.050	Active Track Maintenance Msg	1700 0058 0001 ad7e 0001 b34a 0001 aed9 003a 664e fbf7 ffb6 03c0 0e12 0000 0000
		ecbf f4cc 0000 0a9a 1d22 09ef 0b00 1d68 0000 1907 2ec6 1646 01cc 0000 0000 0000
		051f 1e00 0201 1001 0303 0000 0000 0001 0100 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09ef 0000 0172 ffff ffff 003c 026d 0000
0000 0000 0000 0001 0001 0001 0001 0000 0000 0000 009a 0000 003e 01bd 01cc 01a5
0000 01e5 0000 01c8 005b 0124 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2fff 0100 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0702
0001 0000 0000 0031 4335 3658 0000 0000 504d 4400 564e 5900 2020 2020 2020 2020
2020 0000 454a 4136 3331 0000 0000 0039 3135 0000 0000 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:53.150 6 2 1274 +2 -1 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+37.57 +17.84 64 41.57 735 65 41.61 126.63 169.58 2 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
126 -770 -899 -899 -899 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

01:03:53.150 Active Track Maintenance Msg 1700 0058 ffff e3e1 ffff e7eb ffff e3e1 003a 7ac4 fbf7 0000 12c9 08eb 0000 0000

0029 ffe2 0000 2df0 299b 02bc 2df0 2998 0145 1fa8 2a65 0033 0006 0000 0000 b5c0
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:52.920	8	5.28	973	86	4		90.70	160.94	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:53.180	Radar Report Msg	0b01 001c 003a 7c58 16ad 283c 02a4 0f34 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		3.41	954	84	3		88.72	161.39	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:53.190	Radar Report Msg	0b01 001c 003a 7c62 162e 2859 01b4 0ee8 0203 0300 0003 0003 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	47.66	1028	90	4			131.75	149.48	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7c62 20f0 255f 17d4 1010 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	2.91	1123	99	0			87.97	160.88	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7c62 15fe 2838 0174 118c 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:53.010	9	2.91	1146	101	0		87.94	160.80	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:53.270	Radar Report Msg	0b01 001c 003a 7cbc 15fc 2833 0174 11e8 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	29.47	1107	97	3			113.05	150.83	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 7cbc 1c43 25b5 0ebc 114c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.66	1168	103	4				92.41	158.39	4					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7cc6 171a 2799 03d4 1240 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
38.66	1191	105	5				119.42	142.91	5					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7cc6 1ddb 23ba 1354 129c 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.56	1172	103	4				92.30	158.41	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7cc6 1713 279a 03c8 1250 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
51.66	1214	107	5				129.83	134.95	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7cc6 2075 21bd 19d4 12f8 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
8.03	1155	102	1				92.81	158.36	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7cc6 1734 2797 0404 120c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.34	1233	108	3				90.91	158.48	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 7cc6 16ba 279f 032c 1344 0203 0300 0001 0203 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:53.380	101	2	3507	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+24.44	-28.48	139	37.49	1585 139	37.52	102.14	128.09	216	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:53.380	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0c38 f1c3 0000 0000
		0000 0000 0000 631a 2586 0747 631a 2586 0000 1989 2006 0f62 0065 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:53.130	10	29.75	1232	108	5		110.69	145.67	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:53.390	Radar Report Msg	0b01 001c 003a 7d34 1bac 246b 0ee0 1340 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:53.490	523	2		0646			-226	-96	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+41.91	-0.77	91	41.88	1034	91	41.89	126.06	150.48	246 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
247	+13029	+12900	+12904	+12844	-12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:53.490	Active Track Maintenance Msg	1700 0058 0001 9163 0001 972a 0001 9341 003a 7c17 fbf7 ff99 14f5 ff9d 0000 0000 efe0 f91f 0000 40ac 29e5 01a6 40c0 29ec 0000 1f84 259f 1188 020b 0000 0000 0100 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:53.490	3	2			+327		+383		RADAR-ONLY: NO

FIRMNESS: 25

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: NO
+37.86	+25.38	56	45.54	638 56	45.58	128.78	176.80	504	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
40	CST	CST	+24503	+24633	+28	+0	00000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0003 01c8 0002 fda0 0002 fdb9 003a 4499 0000 00e1 12ee 0cb1 0000 0000 174a 1b40 0000 27ee 2d95 0e90 2880 2bbc 0000 2032 2c33 23d9 0003 0000 0000 0000 0400 1900 0203 1001 0303 0000 0000 0001 0100 0000 0100 0000
01:03:53.490	Delete Track Msg	1704 0008 01c4 0010
01:03:53.490	Delete Track Msg	1704 0008 01f0 0110
01:03:53.490	Delete Track Msg	1704 0008 01c3 0210
01:03:53.490	Delete Track Msg	1704 0008 0252 0410
01:03:53.500	Delete Track Msg	1704 0008 021b 0510
01:03:53.500	Delete Track Msg	1704 0008 0039 0610
01:03:53.500	Delete Track Msg	1704 0008 004b 0710
01:03:53.500	Delete Track Msg	1704 0008 003c 0910

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:53.500	527	2	4676		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+23.52	-27.37	139	36.03	1585 139	36.08	101.53	129.39	105	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1929	+1800	+0	+1929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:53.500	Active Track Maintenance Msg	1700 0058 0000 3c4a 0000 3c4a 0000 0000 0000 0000 fbf7 0000 0bc2 f251 0000 0000
		0000 0000 0000 6314 2415 09be 6314 2415 0000 1962 2059 077d 020f 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:53.590	519	2	1631		-165	-81			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+52.38	-9.25	100	53.18	1139 100	53.17	134.06	139.63	184	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
243	+8029	+7900	+7900	+7900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:53.590 Active Track Maintenance Msg 1700 0058 0000 f6e0 0000 faea 0000 f6e1 003a 7c8a fbf7 0000 1a30 fb60 0000 0000
f444 fa2d 0000 473c 352c 0399 4720 3530 0006 2184 22e8 0d1a 0207 0000 0000 0100
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:03:53.590	394	N121NA	2	1320	1320	1V	-122	+8	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+18.89	-3.15	99	19.13	1131	99	19.16	103.22	154.00	122

INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
273	+5929	+5800	+5800	+5800	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 b540 0000 b94a 0000 b540 003a 7c83 fbf7 0000 0972 fe6d 0000 0000
f752 0094 0000 46b3 1329 02d0 46c0 1328 0000 19ce 2680 08b2 018a 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 02d0 0005 003c 003c 003c 0000 023d 0000
0000 0000 0000 0000 0000 0024 0015 0000 0000 0000 02db 0000 001a 015e 018a 0099
018b 0027 0000 0113 0248 0168 0000 0000 0000 0000 0000 0000 0000 020e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 a4ff 0000 0000 0000 0000 0000 0100 0201 0000 0001 0001 0102
0001 0000 0000 0043 5041 3434 0000 0000 5241 4c00 5344 3800 2020 2020 2020 2020
2020 0000 4e31 3231 4e41 0000 0000 0036 3932 0000 0056 0000 0000 0020 0000 0046
3036 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:53.590 298 2 0771 -204 -79 RADAR-ONLY: NO
FIRMNESS: 38

DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+28.87 -5.84 101 29.39 1153 101 29.45 112.17 148.91 219 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
248 +9629 +9500 +9481 +9422 -12 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 2677 0001 2cea 0001 2848 003a 7c9c fbf7 ff9c 0e6f fd15 0000 0000
		f17c fa50 0000 4814 1d72 01f9 4820 1d74 010e 1c0b 253a 0f97 012a 0000 0000 0100
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:53.590	339	2	2201			-197	-91		RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+49.05	-12.69	104	50.61	1189 105	50.57	129.98	137.16	217	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
245	+8629	+8500	+8498	+8371	-27	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 059d 0001 0daa 0001 0992 003a 7cc3 fbf7 ff26 1887 f9a8 0000 0000
		f1fd f97e 0001 4a5d 3293 0481 4a50 32ac 0000 207f 224a 0f73 0153 0000 0000 3039
		051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:53.590	245	2	5266		+0	+0			RADAR-ONLY: NO
									FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+46.54	-5.80	97	46.85	1104 97	46.90	129.28	144.38	162	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+3929	+3800	+0	+3929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:53.590	Active Track Maintenance Msg	1700 0058 0000 7aca 0000 7aca 0000 0000 0000 0000 fbf7 0000 1745 fd1a 0000 0000
		0000 0000 0000 450c 2ee6 0ab6 450c 2ee6 0000 2052 2418 0b88 00f5 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT COR Y NM	SYSTEM STAT	SYSTEM	PROC STR	SC	TYP	SYS
01:03:53.270	11	46.84	1275	112	4		123.27	133.84	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:53.600	Radar Report Msg	0b01 001c 003a 7db6 1ed1 2176 176c 13ec 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	54.16	1300	114	4					127.86	127.83	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7db6 1ff7 1ff5 1b14 1450 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	0.97	1322	116	3					86.25	161.41	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7db6 1590 285a 007c 14a8 0203 0300 0003 0003 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.41	1267	111	3			94.08	155.78	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7db6 1785 26f2 0534 13cc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	35.22	1343	118	6			111.61	137.97	6		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7db6 1be7 227e 119c 14fc 0206 0600 0004 0302 1d00 0000
01:03:53.710	Delete Track Msg	1704 0008 0003 0210

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:53.710	389	2	1654	-171	+5		RADAR-ONLY: NO		

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PREDICTED DEG	SYSTEM RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+42.94	-14.63	108	45.36	1239	109	45.34	123.58	136.83	171	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
271	+7529	+7400	+7426	+7276	-32	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:53.710 Active Track Maintenance Msg 1700 0058 0000 e362 0000 eb4a 0000 e817 003a 7cfa fbf7 fefb 1578 f8b0 0000 0000
f3d2 0060 0000 4d79 2d56 03ac 4d60 2d5c 402f 1ee5 2235 0c2f 0185 0000 0000 000c
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:53.710	280	2	6737		+520	+114			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
+54.01	-19.04	109	57.24	1245 109	57.25	133.03	129.84	533	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
77	+27400	+27400	+27361	+27504	+31	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0003 5b82 0003 5840 0003 570c 003a 7d02 0000 00f9 1b01 f67b 0000 0000
2504 0824 0001 4dd4 3940 0ddf 4dd0 3944 0e8c 2142 2076 25e7 0118 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:53.710 207 N8451R 2 4647 4647 1X -106 +9 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+6.68 -2.82 113 7.20 1284 113 7.25 91.47 157.45 106 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
275 +6029 +5900 +5899 +5899 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 b85c 0000 bc6a 0000 b85e 003a 7d2f fbf7 0000 0357 fe97 0000 0000
f875 00b3 0000 5041 073f 09a7 5050 0740 a00c 16de 275d 0793 00cf 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09a7 0015 003c 003c 003c 0028 0068 0000
0000 0000 0000 0000 0000 0026 0001 0000 0000 0000 00b0 0000 0037 00e1 00cf 0041
0000 0044 0000 01bb 0036 00bd 0000 0000 0000 0000 0000 0000 0000 020c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102

0001 0000 0000 0043 5032 3841 0000 0000 504f 4300 5656 5600 2020 2020 2020 2020
2020 0000 4e38 3435 3152 0000 0000 0036 3633 0000 0058 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:53.710	590	2		4624		-7	-105		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID
+33.98	-14.94	113	37.08	1294 114	37.11	114.84	138.78	105	ALTITUDE: YES

FIRMNESS: 3

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
184	+3129	+3000	+2950	+2959	+2	+0	11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 5c7f 0000 61ca 0000 5c30 003a 7d39 fbf7 0013 10fe f888 0000 0000
		ff72 f884 0001 50e6 251d 0994 50e0 2520 0000 1cb6 22b2 0781 024e 0000 0000 0000
		031f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:53.470	12	30.63	1369	120	7				107.38		140.22	7		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:53.710	Radar Report Msg	0b01 001c 003a 7e10 1ad8 230e 0f50 1564 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	28.47	1387	122	3					105.30		141.20	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7e1a 1a53 234d 0e3c 15ac 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	46.84	1332	117	4					120.69		130.67	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7e1a 1e2c 20ab 176c 14d0 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	45.22	1371	120	4						117.61		129.80	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7e1a 1d67 2073 169c 156c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	20.41	1466	129	3						97.86		145.48	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:53.720	Radar Report Msg	0b01 001c 003a 7e7e 1877 245f 0a34 16e8 0203 0300 0004 0003 1d00 0000
01:03:53.930	Delete Track Msg	1704 0008 011a 0610

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:53.930	55	2	7230		-240	-90			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+14.55	-11.24	127	18.31	1452 128	18.38	96.98	147.28	256	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
249	+4229	+4100	+4065	+3948	-25	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:53.930	Active Track Maintenance Msg	1700 0058 0000 7b64 0000 842a 0000 7f0b 003a 7dec fbf7 ff37 0746 fa61 0000 0000 eeea f992 0000 5acc 1260 0e98 5ad0 1264 003a 183f 24d2 1242 0037 0000 0000 0803 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:53.940	321	2	4665		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+41.28	-3.52	94	41.39	1079 95	41.43	124.78	147.92	168	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2929	+2800	+0	+2929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:53.940 Active Track Maintenance Msg 1700 0058 0000 5b8a 0000 5b8a 0000 0000 0000 0000 fbf7 0000 14a4 fe3e 0000 0000
0000 0000 0000 4376 296e 09b5 4376 296e 0000 1f32 24fb 0bfd 0141 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:53.580	13	24.00	1550	136	7		97.41	140.92	7		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:53.940	Radar Report Msg	0b01 001c 003a 7f50 185a 233b 0c00 1838 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		23.56	1568	138	5		96.63	140.98	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7f50 1828 233f 0bc8 1880 0205 0500 0003 0102 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	28.28	1606	141	5			97.33	136.08	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7f50 1855 2205 0e24 1918 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.28	1712	150	7			87.05	156.98	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7f50 15c3 273f 02a4 1ac0 0207 0700 0003 0302 1d00 0000
01:03:54.030	Delete Track Msg	1704 0008 01f6 0010
01:03:54.030	Delete Track Msg	1704 0008 006f 0610

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:54.150	329	2	4657		-138	+179			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+24.20	-24.87	135	34.65	1544 136	34.70	102.86	131.67	226	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
322	+7029	+6900	+6900	+6900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:54.150	Active Track Maintenance Msg	1700 0058 0000 d7a0 0000 dbaa 0000 d7a0 003a 7e54 fbf7 0000 0c19 f391 0000 0000 f629 0cc8 0000 6087 22b4 09af 6090 22b4 003a 19b7 20eb 1022 0149 0000 0000 20b0 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:54.150	561	2	4745	-154	+118				RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
+16.65	-17.38	136	24.05	1549 136	24.05	97.47	140.83	195	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
307	+5529	+5400	+5401	+5301	-21	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 a5ae 0000 acca 0000 a8c8 003a 7e59 fbf7 ff55 0853 f750 0000 0000
f4fd 0871 0000 60de 180d 09e5 60e0 1810 0005 185e 2335 0de0 0231 0000 0000 6740
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:54.150 98 2 3253 +23 -185 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+8.51 -10.86 141 13.75 1613 142 13.84 91.23 149.20 186 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
172 +4829 +4700 +4719 +4531 -46 -2 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 8d9b 0000 96ea 0000 9378 003a 7ea2 fbf7 fe8a 0441 fa92 0000 0000
01a8 f2d4 ffec 64d6 0dd8 06ab 64f0 0dcc 1bdf 16cf 254d 0d47 0062 0000 0000 0303
041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:54.150 278 2 4613 +262 +52 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+17.66 -21.25 140 27.61 1593 140 27.65 97.47 136.83 267 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
78	+6029	+5900	+5904	+5904	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 b882 0000 bc6a 0000 b884 003a 7e8d fbf7 0000 08d5 f560 0000 0000 12a3 03b5 0000 639b 1ba6 098b 63c0 1ba4 a006 185e 2235 1300 0116 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:54.150	7	2	1275		-10	+5			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+41.65	-14.47	109	44.05	1240 109	44.07	122.36	137.31	11	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
296	+0	+0	+0	+0	+0	00000	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 0000 0000 0000 0000 0000 003a 7cff 0000 0000 14d3 f8c4 0000 0000 ff40 0060 0000 4d8b 2c11 02bd 4da0 2c18 0000 1e97 2254 00d6 0007 0000 0000 0100 0000 2600 0203 1000 0300 0100 0000 0001 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:53.830	15	3.97	1718	151	2		86.66	158.33	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:54.150	Radar Report Msg	0b01 001c 003a 7fdc 15aa 2795 01fc 1ad8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	4.09	1787	157	2			86.30	158.11	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7fdc 1593 2787 020c 1bec 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.03	1764	155	1					86.61		157.16		1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7fdc 15a7 274a 0284 1b90 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	27.03	1747	154	6					91.27		135.42		6		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7fdc 16d1 21db 0d84 1b4c 0206 0600 0004 0302 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	24.44	1780	156	6			89.53	137.75	6		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7fdc 1662 2270 0c38 1bd0 0206 0600 0004 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.06	1819	160	3			86.13	158.13	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 7fdc 1588 2788 0208 1c6c 0203 0300 0001 0203 1d00 0000
01:03:54.250	Delete Track Msg	1704 0008 00a1 0010

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:54.250	406	2	4622	-153	-1		RADAR-ONLY: NO		

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PREDICTED DEG	RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+11.45	-21.97	152	24.74	1734	152	24.79	91.27	137.69	153	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
269	+3929	+3800	+3777	+3748	-6	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:54.250 Active Track Maintenance Msg 1700 0058 0000 7525 0000 7aca 0000 760c 003a 7f29 fbf7 ffcf 05b9 f504 0000 0000
f517 ffe4 0000 6c6c 18ca 0992 6c70 18c8 0707 16d1 226c 0ae9 0196 0000 0000 0000
061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:54.250	530	2	4643		-271	+188			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
+21.94	-43.41	153	48.61	1743 153	48.64	95.97	114.41	330	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
304	+20000	+20000	+20000	+20000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0002 7100 0002 7100 0002 7100 003a 7f32 0000 0000 0af8 ea4b 0000 0000
ecb0 0d60 0000 6cf2 30a4 09a3 6cf0 30a4 0000 17fe 1c9a 177e 0212 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:54.250 176 2 4772 +159 +46 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 6
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+4.00 -10.37 158 11.06 1808 159 11.11 87.02 150.83 166 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
73 +4529 +4400 +4411 +4318 -20 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 86f6 0000 8d8a 0000 89da 003a 7f7c fbf7 ff5d 0200 fad1 0000 0000
0b5e 0355 ffff 710b 0b1b 09fa 7100 0b1c 0000 15c1 25b5 0bd8 00b0 0000 0000 0000
061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:54.250 431 2 -22 -132 RADAR-ONLY: NO
FIRMNESS: 30
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 3
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: NO
+32.79 -19.90 121 38.31 1379 121 38.36 112.44 134.30 134 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
189	CST	CST	+1702	+1632	-15	+0	11100

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 3301 0000 3c4a 0000 3534 003a 47c6 fbf7 ff87 1065 f60d 0000 0000 fe5f f694 0000 5639 265b 05dc 55b0 262c 0000 1c1c 2193 0990 01af 0000 0000 0000 031c 1e00 0203 1001 0303 0000 0000 0001 0100 0000 0100 0101

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:54.250	328	2	6655		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+19.64	-22.12	138	29.53	1574 138	29.58	99.13	135.45	155	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1329	+1200	+0	+1329	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:54.250	Active Track Maintenance Msg	1700 0058 0000 298a 0000 298a 0000 0000 0000 0000 fbf7 0000 09d2 f4f1 0000 0000 0000 0000 0000 6269 1d94 0dad 6269 1d94 0000 18c8 21dd 0b09 0148 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:54.020	16	14.03	1841	162	5		86.63	147.92	5		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:54.260	Radar Report Msg	0b01 001c 003a 8036 15a8 24fb 0704 1cc4 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
		4.13	1811	159	2		86.17	158.06	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8036 158b 2784 0210 1c4c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	4.09	1856	163	2			85.91	158.08	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8036 157a 2785 020c 1d00 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	3.94	1861	164	3			85.88	158.25	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8036 1578 2790 01f8 1d14 0203 0300 0001 0203 1d00 0000

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TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	5.97	1885	166	4				85.73		156.09	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:54.270	Radar Report Msg	0b01 001c 003a 8040 156f 2706 02fc 1d74 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	18.22	1907	168	3				85.05		143.70	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8040 1543 23ed 091c 1dcc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	5.47	1882	165	1				85.75		156.61	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8040 1570 2727 02bc 1d68 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	9.78	1890	166	7				85.63		152.19	7		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 8040 1568 260c 04e4 1d88 0207 0700 0003 0302 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:54.370	310	2	1051		+437	+110			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
+6.55	-31.90	168	32.53	1917 169	32.57	84.03	129.53	451	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
75	+22000	+22000	+21963	+22137	+37	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:54.370	Active Track Maintenance Msg	1700 0058 0002 b3cc 0002 af80 0002 ae5c 003a 7ff5 0000 012f 0346 f00d 0000 0000
		1f18 07df 0000 77d5 2091 0229 77c0 2090 5858 1502 2062 2013 0136 0000 0000 00d0
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:54.370	160	2	4645		+250	+267			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+3.23	-13.63	166	13.99	1898 167	14.01	85.45	148.02	366	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
43	+13729	+13600	+13611	+13952	+73	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 b407 0001 ad0a 0001 a95a 003a 7fdf fbf7 0249 019e f930 0000 0000
		11d2 130c fffd 76a3 0e03 09a5 7680 0e00 0000 155d 2501 1a16 00a0 0000 0000 e3b4
		051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:54.370	491	2	2734		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+32.82	-19.72	121	38.26	1376 121	38.29	112.39	134.36	136	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1729	+1600	+0	+1729	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:54.370 Active Track Maintenance Msg 1700 0058 0000 360a 0000 360a 0000 0000 0000 0000 fbf7 0000 1069 f624 0000 0000
0000 0000 0000 560a 2649 05dc 560a 2649 0000 1c19 2197 09ac 01eb 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:54.120	17	4.19	2003	176	1		85.05		158.05	1		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:54.370	Radar Report Msg	0b01 001c 003a 8108 1543 2783 0218 1f4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		5.09	2073	182	4		84.36		157.22	4		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8108 1517 274e 028c 2064 0204 0400 0001 0303 1d00 0000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:54.590	Delete Track Msg	1704 0008 01af 0210
01:03:54.590	Delete Track Msg	1704 0008 0196 0810

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:54.590	219	2	1060	-402	-141				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID
+0.38	-17.58	178	17.57	2034 179	17.60	81.89	145.64	426	ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	FIRMNESS: 10 SLID WINDOW
250	+35000	+35000	+35000	+35000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:54.590	Active Track Maintenance Msg	1700 0058 0004 45c0 0004 45c0 0004 45c0 003a 807a 0000 0000 0030 f736 0000 0000 e364 f5e9 0000 7f27 119a 0230 7f20 1198 003a 1479 2469 1e56 00db 0000 0000 0200 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:54.590	580	2	4614	-51	+58				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID
-0.23	-18.25	180	18.25	2057 181	18.27	80.94	144.27	78	ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID

DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
318 +4729 +4600 +4593 +4638 +9 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 90f5 0000 93ca 0000 8f8d 003a 8093 fbf7 004e ffe3 f6e0 0000 0000
fc54 0432 0000 8093 1244 098c 7fff 1240 a001 143c 2411 0593 0244 0000 0000 003c
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:54.590 449 2 7242 -316 +138 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-0.57 -33.68 181 33.63 2058 181 33.69 76.80 129.81 345 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
293 +32800 +32800 +32813 +32888 +16 +0 11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 03c6 0004 0100 0004 0169 003a 8096 0000 0083 ffb7 ef29 0000 0000 e97e 09d3 0000 80a8 21b0 0ea2 7fff 21b0 0000 1333 2074 188f 01c1 0000 0000 abe4 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR ALT	SC STAT	TYP	SYS
01:03:54.270	18	31.56	2156	189	6		72.86	133.08	6			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:54.590	Radar Report Msg	0b01 001c 003a 819e 1237 2145 0fc8 21b0 0206 0600 0004 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR ALT	SC STAT	TYP	SYS
		27.28	2179	192	3		73.75	137.41	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 819e 1270 225a 0da4 220c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR ALT	SC STAT	TYP	SYS
		4.44	2218	195	1		83.72	158.25	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 819e 14ee 2790 0238 22a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
	4.44	2243	197	1			83.59	158.33	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 819e 14e6 2795 0238 230c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
	13.53	2202	194	3			79.42	150.00	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 819e 13db 2580 06c4 2268 0203 0300 0004 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
	10.97	2296	202	5			79.31	153.11	5			RT	2		

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Radar Report Msg 0b01 001c 003a 819e 13d4 2647 057c 23e0 0205 0500 0003 0102 1d00 0000
01:03:54.690 Delete Track Msg 1704 0008 0084 0010

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:54.810 312 2 -136 -48 RADAR-ONLY: NO
FIRMNESS: 35
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: NO
+6.04 -14.54 157 15.69 1791 157 15.75 87.92 146.25 144 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
250 CST CST +1162 +1052 -23 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:03:54.810 Active Track Maintenance Msg 1700 0058 0000 20e7 0000 298a 0000 2454 003a 6d5f fbf7 ff44 0305 f8bb 0000 0000
f64a fc93 0000 6ff9 0fc0 0690 6f80 0fc4 0201 15fb 2490 0a4c 0138 0000 0000 0000
0a1f 2300 0203 1001 0303 0000 0000 0001 0100 0000 0000 0001
01:03:54.810 Delete Track Msg 1704 0008 002f 0810

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:54.910 361 2 1022 -199 -85 RADAR-ONLY: NO
FIRMNESS: 33
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 7
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-3.18 -17.21 190 17.47 2166 190 17.47 78.34 146.02 217 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
246	+3429	+3300	+3321	+3539	+46	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:54.910	Active Track Maintenance Msg	1700 0058 0000 6e98 0000 6b2a 0000 67ce 003a 810f fbf7 0176 fe69 f765 0000 0000 f1cb f9ed ffff 876d 1179 0212 7fff 1180 0000 1396 2481 0f73 0169 0000 0000 0000 071f 2100 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:54.910	49	2	6311		+360	-83			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-10.30	-44.27	193	45.42	2196 193	45.46	64.61	121.67	370	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
103	+10729	+10600	+10629	+10493	-29	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 47ef 0001 4f4a 0001 4c2c 003a 8131 fbf7 ff15 fada e9dd 0000 0000 19a7 fa0f 0000 8948 2d75 0cc9 7fff 2d74 1be0 1027 1e6b 1a55 0031 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:54.570	20	5.56	2506	220	1		81.41	158.78	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8342 145a 27b2 02c8 2728 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	5.97	2583	227	4			80.70	159.11	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8342 142d 27c7 02fc 285c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
	6.78	2629	231	4			79.77	159.13	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8342 13f1 27c8 0364 2914 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
01:03:54.780	21	8.03	2659	234	1		78.45	158.94	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:55.030	Radar Report Msg	0b01 001c 003a 83a6 139d 27bc 0404 298c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
8.69	2660	234	3						77.83	158.70	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 83a6 1375 27ad 0458 2990 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
4.44	2714	239	2						81.81	160.64	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 83a6 1474 2829 0238 2a68 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
7.22	2666	234	1						79.20	159.31	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 83a6 13cd 27d4 039c 29a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
6.78	2681	236	2						79.56	159.61	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg	0b01 001c 003a 83a6 13e4 27e7 0364 29e4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	8.72	2742	241	2			77.47		159.72	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 83a6 135e 27ee 045c 2ad8 0202 0200 0001 0103 1d00 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:55.130 379 2 6312 +274 +0 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 6
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-6.21 -12.48 206 13.89 2349 206 13.91 76.66 151.39 274 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
90 +8729 +8600 +8610 +8443 -36 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:03:55.130 Active Track Maintenance Msg 1700 0058 0001 07d9 0001 10ca 0001 0d11 003a 81dc fbf7 fedc fce5 f9c3 0000 0000
138d 0007 0000 92d0 0de9 0cca 7fff 0df0 5453 132a 25d9 138d 017b 0000 0000 8040
061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:55.250 173 2 6307 +507 -224 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-12.24 -12.09 225 17.14 2564 225 17.23 71.61 153.67 555 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
113 +33000 +33000 +33000 +33000 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

01:03:55.250 Active Track Maintenance Msg 1700 0058 0004 0740 0004 0740 0004 0740 003a 82ce 0000 0000 f9e1 f9f5 0000 0000
241c f003 0000 a04d 113a 0cc7 7fff 1134 0000 11e7 266b 277d 00ad 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:55.250	8	2	1273		-3	-4			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-37.78	-33.20	228	50.26	2601 229	50.31	40.83	139.30	5	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
215	-899	-899	-899	-899	+0	+0	11111

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CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 ffff e3e1 ffff e3e1 ffff e3e1 003a 82f9 0000 0000 ed1c ef66 0000 0000
ffc4 ffac 0000 a29b 3250 02bb 7fff 324c 0000 0a35 22d3 0067 0008 0000 0000 0000
0a1f 2603 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:55.250 319 OPT708 2 4725 4725 1W +117 +23 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-0.55 -0.52 225 0.71 2578 227 0.75 85.09 161.47 119 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
78 +829 +700 +709 +654 -11 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 1471 0000 19ea 0000 162b 003a 82e1 fbf7 ffa1 ffb9 ffbd 0000 0000
0854 01ab 0000 a129 00c0 09d5 7fff 00c4 0000 1546 285e 087e 013f 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0004 0000 0000 0000 0202 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0003
0000 0200 0000 0600 0000 0000 0000 0000 8000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09d5 0003 0122 ffff ffff 002a 0168 0000
0000 0000 0000 02b8 0000 0001 0001 0000 0000 0000 005b 0000 0096 00f5 013f 0092
0000 00be 0000 010d 008c 01a6 0000 0000 0000 0000 0000 0000 0000 022e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0001 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 03ff 0100 0000 0000 0000 0000 0100 0000 0000 0001 0001 0502

0001 0000 0000 0031 4245 3430 0000 0000 504d 4400 4255 5200 2020 2020 2020 2020
2020 0000 4f50 5437 3038 0000 0000 0032 3931 0000 0057 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:55.250	586	2		4673	+323	-4			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-17.55	-12.11	235	21.25	2679 235	21.32	65.78	154.58	324	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
90	+10129	+10000	+9986	+9910	-16	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:55.250	Active Track Maintenance Msg	1700 0058 0001 35b7 0001 3c8a 0001 3813 003a 834e fbf7 ff7e f73a f9f2 0000 0000 170a ffa6 0000 a776 1553 09bb 7fff 1554 5858 1072 26a5 170b 024a 0000 0000 0b5c 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:55.250	304	2	7342	-320	+161				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-28.74	-20.24	234	35.08	2671 235	35.14	53.28	149.70	358	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
296	+35000	+35000	+35001	+35002	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 45d4 0004 45c0 0004 45ce 003a 8348 0000 0001 f1a1 f5e1 0000 0000 e937 0b81 0000 a6fd 2324 0ee2 7fff 2328 a010 0d52 256d 1987 0130 0000 0000 be38 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:55.020	23	5.47	2712	238	2		80.77	160.31	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:55.250	Radar Report Msg	0b01 001c 003a 848c 1431 2814 02bc 2a60 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM				ALT	X	NM	Y	NM	STAT					
	15.75	2746	241	2			70.56		158.05	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 848c 11a4 2783 07e0 2ae8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM				ALT	X	NM	Y	NM	STAT					
	24.72	2757	242	2			61.73		156.28	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 848c 0f6f 2712 0c5c 2b14 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	12.00	2835	249	3			73.95	160.56	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 848c 127d 2824 0600 2c4c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	15.19	2838	249	2			70.75	160.28	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 848c 11b0 2812 0798 2c58 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:55.110	24	2.00	2794	246	5		84.61	161.64	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:55.360	Radar Report Msg	0b01 001c 003a 84b4 1527 2869 0100 2ba8 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:55.470	275	2		0257		+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X	DISPLAY NM	DISPLAY Y	DISPLAY NM	PRED_AZIM AZI DEG	PREDICTED RANGE NM	SYSTEM ACP	SYSTEM DEG	SPEED RANGE NM	ALTITUDE X	FIRMNESS: 0 NM	Y	NM	KNOTS	VALID ALTITUDE: YES

+35.54 +0.90 88 35.51 1007 89 35.55 120.36 153.66 96 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1829	+1700	+0	+1829	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:55.470	Active Track Maintenance Msg	1700 0058 0000 392a 0000 392a 0000 0000 0000 0000 fbf7 0000 11c5 0073 0000 0000 0000 0000 0000 3ef8 238c 00af 3ef8 238c 0000 1e17 266a 06d9 0113 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:55.230	25	6.97	3099	272	7		79.28		163.81	7		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:55.470	Radar Report Msg	0b01 001c 003a 855e 13d2 28f4 037c 306c 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.44	3059	269	3			81.75	162.80	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 855e 1470 28b3 0238 2fcc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	31.91	3115	274	3			55.55	171.92	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 855e 0de3 2afb 0ff4 30ac 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:55.570	591	N31F	2	0260	0260	1Y	+46	+80	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-7.73	-2.85	250	8.18	2840 250	8.25	77.58	161.03	92	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: YES

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
30	+1929	+1800	+1785	+1764	-4	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:55.570	Active Track Maintenance Msg	1700 0058 0000 3721 0000 3c4a 0000 37cb 003a 8406 fbf7 ffdc fc23 fe93 0000 0000

034e 05b8 0000 b188 083f 00b0 7fff 083c 003a 1365 2842 069a 024f 0000 0000 246e
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 00b0 008a 0104 ffff ffff 003d 000e 0000
0000 0000 0000 0000 0000 008a 008a 0000 0000 0000 0000 0000 00c9 0215 024f 015c
0000 00b1 0000 013a 00d7 00d5 0000 0000 0000 0000 0000 0000 0000 0448 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0004 2020 2fff 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0702
0001 0000 0000 0043 0000 0000 0000 0000 0000 0000 564e 5900 2020 2020 2020 2020
2020 0000 4e33 3146 0000 0000 0000 0000 0000 0000 0059 0000 0000 0020 564e 5900
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:55.570 545 N4171H 2 4706 4706 0 -150 -53 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-23.00 -5.87 255 23.72 2909 256 23.74 62.05 161.98 160 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
250 +4029 +3900 +3900 +3900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 79e0 0000 7dea 0000 79e0 003a 8452 fbf7 0000 f480 fd11 0000 0000
f547 fc2e 0000 b5de 17bd 09c6 7fff 17bc 003a 0f83 287f 0b62 0221 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09c6 0000 0028 0028 0028 001e 003d 0000
0000 0000 0000 0000 0000 0001 0003 0000 0000 0000 0068 0000 011a 0115 0221 0235
0000 0000 0000 00a7 0144 0075 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0000 0000 0100 0000 0100 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 21ff 0600 0000 0000 0000 0000 0100 0000 0000 0001 0000 0502
0001 0000 0000 0036 4d32 3050 0000 0000 5748 5000 4f58 5200 2020 2020 2020 2020
2020 0000 4e34 3137 3148 0000 0000 0034 3534 3234 3400 0000 0000 0020 4f58 5200
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
01:03:55.440	26	10.19	3257	286	2				77.14	167.00	2				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:55.690	Radar Report Msg	0b01 001c 003a 85e0 1349 29c0 0518 32e4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	13.94	3280	288	2					74.16	169.36	2				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:55.690	Radar Report Msg	0b01 001c 003a 8630 128a 2a57 06f8 3340 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	10.13	3235	284	1			77.03	166.67	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8630 1342 29ab 0510 328c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	14.09	3290	289	1			74.14	169.63	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8630 1289 2a68 070c 3368 0201 0100 0001 0000 1d00 0000
01:03:55.790	Delete Track Msg	1704 0008 011c 0310

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: OVR
01:03:55.790	274	N8063T	2	4763	4763	1V	+119	+41	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PREDICTED DEG	RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5
-17.49	-3.37	259	17.75	2947	259	17.81	68.03	163.02	126	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
70	+6629	+6500	+6528	+6583	+11	+0	01111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:55.790 Active Track Maintenance Msg 1700 0058 0000 cdbe 0000 cf2a 0000 cc06 003a 847e fbf7 005f f741 fe51 0000 0000
087b 02fb 0000 b83b 11cf 09f3 7fff 11d0 0000 1102 28c1 08fd 0112 0000 0000 0000
050f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09f3 0005 0032 ffff 0032 002c 022a 0000
0000 0000 0000 01b8 0000 0003 0015 0000 0000 0000 00ae 0000 0070 0245 0112 00cb
0000 002d 0000 0194 0133 0144 0000 0000 0000 0000 0000 0000 0000 042f ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 00ff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0036 5041 3332 0000 0000 4f58 5200 4844 4600 2020 2020 2020 2020
2020 0000 4e38 3036 3354 0000 0000 0030 3030 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:55.790 87 CPF420 2 4664 4664 1X +77 -65 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-4.90 -0.25 267 4.88 3037 267 4.90 81.02 162.83 101 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
130 +4929 +4800 +4845 +4897 +11 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 9909 0000 9a0a 0000 976e 003a 84e4 fbf7 0059 fd8d ffe0 0000 0000
0583 fb59 0000 bddf 04e7 09b4 7fff 04e8 0000 1441 28b5 0737 0057 0000 0000 3036
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09b4 0015 0032 0032 0032 003c 017c 0000
0000 0000 0000 0000 0000 0001 0026 0000 0000 0000 00ed 0000 01b0 009b 0057 0201
0000 016b 0000 0010 0184 0185 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2eff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 4332 3036 0000 0000 5748 5000 544f 4100 2020 2020 2020 2020
2020 0000 4350 4634 3230 0000 0000 0035 3634 0000 0058 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:55.790 475 N6887L 2 4714 4714 1W +182 +23 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 7
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-19.23 -1.41 266 19.23 3023 266 19.27 66.83 165.34 183 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
82 +4929 +4800 +4796 +4792 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 95c1 0000 9a0a 0000 95e7 003a 84d4 fbf7 fff9 f663 ff4b 0000 0000
0cf2 01a8 0000 bcf8 1346 09cc 7fff 1348 0000 10b5 2956 0d0d 01db 0000 0000 b9f0
071f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0004 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 2000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09cc 0003 0000 ffff 0032 0038 0253 0000
0000 0000 0000 00e0 0000 0003 0005 0000 0000 0000 00f2 0000 0014 0138 01db 00c3
0000 01aa 0000 0062 0054 01c9 0000 0000 0000 0000 0000 0000 0000 025c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 1dff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0502
0001 0000 0000 0036 4334 3231 0000 0000 4f58 5200 4343 4200 2020 2020 2020 2020
2020 0000 4e36 3838 374c 0000 0000 0037 3937 0000 0057 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:55.790 297 2 1056 -16 +94 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-41.13 -2.34 266 41.19 3035 267 41.18 45.42 170.00 96 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
350 +5929 +5800 +5794 +5866 +15 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 b750 0000 b94a 0000 b511 003a 84e0 fbf7 007d eb70 fed5 0000 0000

fed9 06c1 0000 bdb2 292e 022e 7fff 2930 0000 0b5b 2a80 06da 0129 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:55.790	362	2		0006			+291	-334	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
-27.44	+2.44	275	27.54	3130 275	27.50	59.97	171.13	444	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
139	+15929	+15800	+15797	+15813	+3	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 ee2b 0001 f1ca 0001 eda9 003a 854b fbf7 001c f248 0138 0000 0000
		14bf e82e 0000 c3a3 1b7f 0006 7fff 1b8c 0000 0efe 2ac8 1f97 016a 0000 0000 0088
		051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:55.790 9 2 1275 +0 -10 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-12.52 -11.01 228 16.65 2600 229 16.67 70.88 154.38 10 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
184 -470 -599 -599 -599 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 ffff ed41 ffff f14b ffff ed41 003a 82f9 fbf7 0000 f9bd fa7f 0000 0000
fff1 ff44 0000 a28b 10ac 02bd 7fff 10ac 0000 11b8 2698 00bd 0009 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:03:55.790 84 N774CS 2 3376 3376 1W +154 -147 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-22.13 +5.58 284 22.81 3232 284 22.82 65.83 172.81 213 INHIBIT MSAW PROCESS: YES
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
133 +10029 +9900 +9876 +9840 -7 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

01:03:55.790 Active Track Maintenance Msg 1700 0058 0001 3387 0001 396a 0001 34a6 003a 85bf fbf7 ffc3 f4ef 02ca 0000 0000
0afd f582 0000 ca0b 16d3 06fe 7fff 16d4 26f0 1075 2b34 0f31 0054 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 06fe 0003 012c ffff f830 0037 01ab 0000
0000 0000 0000 0142 0000 0007 002e 0000 0000 0000 00a9 0000 0215 0249 0054 0250
0000 0000 0000 0213 0091 014a 0000 0000 0000 0000 0000 0000 0000 03cb ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2056 2eff 0000 0000 0000 0000 0000 0101 0003 0000 0001 0001 0502
0001 0000 0000 0043 4332 3130 0000 0000 5341 3900 544f 4100 2020 2020 2020 2020
2020 0000 4e37 3734 4353 0000 0000 0036 3032 0000 0057 0000 0000 0020 0000 004f
4646 5620 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:55.560	27	9.53	3290	289	3		77.97	167.06	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:55.810	Radar Report Msg	0b01 001c 003a 86a8 137e 29c4 04c4 3368 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	40.66	3331	293	4			53.52	186.52	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 86a8 0d61 2ea1 1454 340c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.94	3312	291	5			81.98	164.56	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 86a8 147f 2924 0278 33c0 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.59	3423	301	5			82.75	164.89	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 86a8 14b0 2939 024c 357c 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:55.910	424		2	7234		+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
-0.81	-16.20	182	16.21	2080 183	16.21	80.86	146.39	162	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1629	+1500	+0	+1629	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:55.910	Active Track Maintenance Msg	1700 0058 0000 32ea 0000 32ea 0000 0000 0000 0000 fbf7 0000 ff98 f7e7 0000 0000
		0000 0000 0000 820a 1037 0e9c 820a 1037 0000 1437 2499 0b8d 01a8 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:55.690	28	7.19	3424	301	4		80.88		166.83	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:55.910	Radar Report Msg	0b01 001c 003a 8720 1438 29b5 0398 3580 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	14.03	3466	305	3			76.69		172.39	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8720 132c 2b19 0704 3628 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	9.25	3474	305	4			79.92		168.81	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8720 13fb 2a34 04a0 3648 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	9.25	3458	304	4			79.75		168.66	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 8720 13f0 2a2a 04a0 3608 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:56.010	194	DDA77	2	4043	4043	0	+364	-338	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9
-44.10	+18.34	292	47.71	3328 293	47.72	47.84	190.69	497	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
133	+19300	+19300	+19280	+18947	-71	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:56.010	Active Track Maintenance Msg	1700 0058 0002 501d 0002 5b20 0002 5a81 003a 862b 0000 fdc1 e9f3 092c 0000 0000
		19eb e7e5 0001 d00b 2fb9 0823 7fff 2fc4 003a 0bf6 2fac 2365 00c2 0000 0000 0400
		091f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0823 0000 0136 ffff 0172 003f 0204 0000
		0000 0000 0000 0001 0007 0007 0007 0000 0000 0000 00ab 0000 0090 00b2 00c2 0000
		0000 0000 0000 00c8 0155 0189 0000 0000 0000 0000 0000 0000 0000 023d ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000 0100 0000
		0100 0000 0001 0000 0001 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0005 2000 2fff 0000 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0102
		0001 0000 0000 0043 4c4a 3335 0000 0000 4649 4d00 564e 5900 2020 2020 2020 2020
		2020 0000 4444 4137 3700 0000 0000 0033 3535 0000 0000 0000 0000 0020 0000 0000
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:55.780	29	25.34	3555	312	3		72.05		183.06	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:56.020	Radar Report Msg	0b01 001c 003a 877a 1203 2dc4 0cac 378c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	8.94	3520	309	4			80.61		168.94	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 877a 1427 2a3c 0478 3700 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	10.25	3623	318	5			81.19		170.86	5		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 877a 144c 2ab7 0520 389c 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	5.25	3671	323	2			83.84		166.44	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:56.030	Radar Report Msg	0b01 001c 003a 8784 14f6 299c 02a0 395c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.94	3685	324	2			84.06	166.17	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8784 1504 298b 0278 3994 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.16	3675	323	3			84.31	165.38	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8784 1514 2958 0214 396c 0203 0300 0003 0003 1d00 0000
01:03:56.130	Delete Track Msg	1704 0008 00bd 0510

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:56.130	400	2	4675		-194	-33			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-41.59	+33.07	308	53.11	3509 308	53.15	53.95	204.33	197	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
260	+14029	+13900	+13900	+13900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:56.130 Active Track Maintenance Msg 1700 0058 0001 b260 0001 b66a 0001 b260 003a 86f6 fbf7 0000 eb34 1089 0000 0000
f22c fd96 0000 db51 3527 09bd 7fff 3524 0001 0d7d 3315 0e0a 0190 0000 0000 73c0
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:56.130	384	2		1200	+91	+68			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-34.59	-1.38	267	34.59	3045 268	34.62	51.97	169.27	114	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
53	+5629	+5500	+5500	+5500	+0	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 abe0 0000 afea 0000 abe0 003a 84ec fbf7 0000 eeb4 ff50 0000 0000
0682 04e2 0000 be55 229e 0280 7fff 22a0 0001 0cfe 2a51 0823 0180 0000 0000 0100
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:56.230 59 2 4603 +0 +0 RADAR-ONLY: NO
FIRMNESS: 63
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 0
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+52.86 +10.48 78 53.83 896 79 53.89 139.44 158.52 322 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
0 +21400 +21400 +0 +21400 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:03:56.230 Active Track Maintenance Msg 1700 0058 0002 9cc0 0002 9cc0 0000 0000 0000 0000 0000 0000 1a6e 053e 0000 0000
0000 0000 0000 3805 35e3 0983 3805 35e3 0000 22dc 27a1 16f5 003b 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:56.350 392 2 7304 -251 +262 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-26.25 +22.30 310 34.41 3530 310 34.44 66.14 189.89 363 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
316	+23000	+23000	+23015	+23079	+8	-2	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:56.350	Active Track Maintenance Msg	1700 0058 0002 d13c 0002 cec0 0002 cf3e 003a 870e 0000 0045 f2e0 0b26 0000 0000 ee1d 12a5 ffef dcad 2270 0ec4 7fff 2270 0600 1089 2f79 19d6 0188 0000 0000 0000 041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:56.350	56	2	4752		-126	+186			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-27.84	+22.28	308	35.62	3511 309	35.68	64.53	190.39	225	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
325	+12029	+11900	+11900	+11900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 73e0 0001 77ea 0001 73e0 003a 86f9 fbf7 0000 f215 0b24 0000 0000 f6fe 0d4c 0000 db71 23ad 09ea 7fff 23a8 0000 1022 2f99 100f 0038 0000 0000 0164 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:56.350	51	2	1331		-199	+276			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-24.88	+18.09	306	30.74	3481 306	30.76	66.56	185.33	341	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
324	+31000	+31000	+31000	+31000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0003 c8c0 0003 c8c0 0003 c8c0 003a 86d7 0000 0000 f390 090c 0000 0000
f1ca 13ae 0000 d99e 1ec3 02d9 7fff 1ec4 0000 10a4 2e55 1846 0033 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:56.140	31	5.44	3666	322	2		83.73		166.61	2			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:56.350	Radar Report Msg	0b01 001c 003a 886a 14ef 29a7 02b8 3948 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		4.75	3683	324	1		84.13		165.98	1			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 886a 1508 297f 0260 398c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	4.53	3763	331	1				84.70		165.92	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 886a 152d 297b 0244 3acc 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	33.28	3786	333	4				78.53		194.27	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 886a 13a2 3091 10a4 3b28 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	0.28	3812	335	0				85.73		162.02	0		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 886a 156f 2881 0024 3b90 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	7.72	3812	335	1				84.42		169.25	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:56.360 Radar Report Msg 0b01 001c 003a 88e2 151b 2a50 03dc 3b90 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:56.450	322	N900RL	2	3601	3601	1F	+39	-237	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6
-10.27	+11.56	318	15.45	3620 318	15.48	78.80	175.59	240	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
170	+7029	+6900	+6892	+6783	-23	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:56.450	Active Track Maintenance Msg	1700 0058 0000 d3fa 0000 dbaa 0000 d766 003a 8775 fbf7 ff45 fade 05c8 0000 0000
		02d6 ef1b 0001 e24f 0f7a 0781 7fff 0f78 0061 13b3 2be6 1122 0142 0000 0000 0000
		061f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0781 0001 0122 ffff 01c2 0037 01b6 0000
0000 0000 0000 00ba 0000 0001 008a 0000 0000 0000 008f 0000 012b 00a5 0142 009b
0000 01c6 0000 01cb 000c 020d 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0100 0000 0000 0000 0000 0100 0003 0000 0001 0001 0702
0001 0000 0000 0031 474c 4634 0000 0000 504d 4400 5656 5600 2020 2020 2020 2020
2020 0000 4e39 3030 524c 0000 0000 0035 3736 0000 0046 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

END TIME START TIME TARGET REPORTS: LIVE SIMULATED VALID MODE-C: 0
01:03:56.230 01:03:51.690 RADAR-ONLY 113 0 0.0%
SENSOR = 2 BEACON-ONLY 0 0
RADAR & BEACON 0 0 VALID MODE-3/A: 0
TOTAL 113 0 0.0%

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:03:56.450 Sensor Sector Mark Msg 1715 000c 003a 8946 0000 0200

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: DEP
01:03:56.450 74 N40905 2 6701 6701 0 -48 +68 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES

-9.15 +15.75 330 18.20 3752 330 18.25 80.94 179.33 83 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
324	+10029	+9900	+9894	+9901	+1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:56.450	Active Track Maintenance Msg	1700 0058 0001 356b 0001 396a 0001 3535 003a 8808 fbf7 000c fb6d 07e0 0000 0000 fc8d 04d8 0000 ea80 1240 0dc1 7fff 1238 0000 143c 2cd5 05f2 004a 0000 0000 0000 051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000

Radar Report Msg 0b01 001c 003a 8946 1597 29a6 0288 3eac 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
8.63	3977	350	2						86.39	170.28	2				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8946 1599 2a92 0450 3e24 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
11.09	4051	356	1						87.81	172.61	1				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8946 15f4 2b27 058c 3f4c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:56.580	532	2		0772	+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+60.73	-0.39	90	60.69	1028 90	60.73	144.33	146.00	245	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+16029	+15900	+0	+16029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:56.580	Active Track Maintenance Msg	1700 0058 0001 f4ea 0001 f4ea 0000 0000 0000 0000 fbf7 0000 1e5e ffce 0000 0000 0000 0000 0000 4043 3cbc 01fa 4043 3cbc 0000 2415 2480 116d 0214 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	8.97	4035	355	3			87.19	170.53	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:56.580	Radar Report Msg	0b01 001c 003a 89b4 15cc 2aa2 047c 3f0c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	3.97	4067	357	3			86.53	165.38	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 89b4 15a2 2958 01fc 3f8c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.81	24	2	4			87.38	167.17	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 89b4 15d8 29cb 02e8 0060 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:56.790	358	2		7303	+34	+318			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
-2.09	+14.21	351	14.34	4000 352	14.38	87.33	175.89	320	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
6	+16429	+16300	+16316	+16462	+31	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:56.790	Active Track Maintenance Msg	1700 0058 0002 0272 0002 016a 0001 fde3 003a 891f fbf7 00fb fef5 071b 0000 0000 0272 16a7 0000 fa05 0e60 0ec3 7fff 0e60 003a 15d5 2bf9 16c8 0166 0000 0000 0803 071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
01:03:56.450	1	8.88	23	2	2		88.27	170.19	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:56.790	Radar Report Msg	0b01 001c 003a 8a2c 1611 2a8c 0470 005c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
		9.06	54	5	2		88.73	170.23	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8a2c 162f 2a8f 0488 00d8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X NM	Y NM	STAT					
	6.19	98	9	3				88.13	167.31	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8a2c 1608 29d4 0318 0188 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X NM	Y NM	STAT					
	5.88	56	5	2				87.66	167.16	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8a2c 15ea 29ca 02f0 00e0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:56.570	2	10.69	259	23	1		92.19	170.22	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:56.910	Radar Report Msg	0b01 001c 003a 8b08 170c 2a8e 0558 040c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	17.75	280	25	5			96.95	175.52	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8b08 183d 2be1 08e0 0460 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:56.760	3	26.88	339	30	3		104.55	180.97	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:57.010	Radar Report Msg	0b01 001c 003a 8b62 1a23 2d3e 0d70 054c 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:57.110	491	2	2734	+0	+0		RADAR-ONLY: NO		

FIRMNESS: 63

DISPLAY X	DISPLAY NM	DISPLAY Y	DISPLAY NM	PRED_AZIM AZI DEG	PREDICTED RANGE NM	SYSTEM ACP	SYSTEM DEG	SYSTEM RANGE NM	SPEED X	SPEED NM	SPEED Y	SPEED NM	ALTITUDE KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES

+32.70 -19.97 121 38.29 1381 121 38.32 112.30 134.20 134 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1629	+1500	+0	+1629	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:57.110	Active Track Maintenance Msg	1700 0058 0000 32ea 0000 32ea 0000 0000 0000 0000 fbf7 0000 105a f604 0000 0000 0000 0000 0000 5655 2651 05dc 5655 2651 0000 1c13 218d 0991 01eb 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:57.330	311	2	3275		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+27.58	-22.41	129	35.50	1468 129	35.54	106.72	133.16	232	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:57.330	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0dca f4cb 0000 0000 0000 0000 0000 5bce 2389 06bd 5bce 2389 0000 1aae 214a 1083 0137 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:57.090	5	7.25	474	42	4		91.64	165.75	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:57.340	Radar Report Msg	0b01 001c 003a 8c48 16e9 2970 03a0 0768 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
		7.38	507	45	3		91.94	165.52	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8c52 16fc 2961 03b0 07ec 0203 0300 0001 0203 1d00 0000
01:03:57.450	Delete Track Msg	1704 0008 0027 0810

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
01:03:57.230	6	4.03	732	64	7		89.39	162.53	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:57.460	Radar Report Msg	0b01 001c 003a 8d2e 1659 28a2 0204 0b70 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
		3.91	777	68	2		89.30	162.27	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8d2e 1653 2891 01f4 0c24 0202 0200 0001 0103 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	3.69	697	61	4			88.97	162.64	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8d38 163e 28a9 01d8 0ae4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.44	820	72	1			89.89	162.06	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8d38 1679 2884 0238 0cd0 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:57.670	460	EJA631	2	4757	4757	0	-271	-157	RADAR-ONLY: NO

FIRMNESS: 32

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3
+7.14	+27.94	14	28.83	163 14	28.85	99.72	186.98	313	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
240	+13629	+13500	+13533	+13389	-31	+0	11101

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:57.670	Active Track Maintenance Msg	1700 0058 0001 a26d 0001 a9ea 0001 a6eb 003a 89fd fbf7 ff07 0392 0df8 0000 0000

ecb3 f4d3 0000 0a34 1cd9 09ef 0a30 1cd8 0006 18ee 2ebf 164d 01cc 0000 0000 7c76
031d 2000 0201 1001 0303 0100 0000 0000 0000 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09ef 0000 0172 ffff ffff 003c 026d 0000
0000 0000 0000 0001 0001 0001 0001 0000 0000 0000 009a 0000 003e 01bd 01cc 01a5
0000 01e5 0000 01c8 005b 0124 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2fff 0100 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0702
0101 0000 0000 0031 4335 3658 0000 0000 504d 4400 564e 5900 2020 2020 2020 2020
2020 0000 454a 4136 3331 0000 0000 0039 3135 0000 0000 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:57.770	6	2	1274		-1	-5			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+37.56	+17.84	64	41.57	735 65	41.60	126.61	169.58	5	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
195	-770	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:57.770	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e7eb ffff e3e1 003a 8c80 fbf7 0000 12c8 08eb 0000 0000
		ffe4 ff97 0000 2df1 299a 02bc 2df0 2994 0724 1fa7 2a65 006d 0006 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:57.450	8	3.47	954	84	3		88.80	161.38	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:57.790	Radar Report Msg	0b01 001c 003a 8e14 1633 2858 01bc 0ee8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	5.28	977	86	4			90.70	160.91	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8e14 16ad 283a 02a4 0f44 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:57.880	101	2	3507		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+24.52	-28.20	139	37.34	1581 139	37.36	102.28	128.34	215	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:57.880	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0c42 f1e7 0000 0000
		0000 0000 0000 62d6 255c 0747 62d6 255c 0000 1992 2016 0f5b 0065 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
01:03:57.690	10	2.91	1123	99	0					87.97		160.88	0		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:57.890	Radar Report Msg	0b01 001c 003a 8edc 15fe 2838 0174 118c 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
		2.91	1146	101	0					87.94		160.80	0		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:57.890	Radar Report Msg	0b01 001c 003a 8efa 15fc 2833 0174 11e8 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
		29.56	1115	98	7					112.98		150.45	7		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8efa 1c3f 259d 0ec8 116c 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
		37.88	1165	102	7					119.45		144.63	7		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 8efa 1ddd 2428 12f0 1234 0207 0700 0005 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.56	1169	103	4				92.31	158.44	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8efa 1714 279c 03c8 1244 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.66	1174	103	2				92.38	158.34	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8efa 1718 2796 03d4 1258 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:57.990	527	2	4676		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+23.55	-27.23	139	35.93	1583 139	36.00	101.61	129.52	102	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1929	+1800	+0	+1929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:57.990	Active Track Maintenance Msg	1700 0058 0000 3c4a 0000 3c4a 0000 0000 0000 0000 fbf7 0000 0bc7 f263 0000 0000 0000 0000 0000 62f0 2400 09be 62f0 2400 0000 1967 2061 0749 020f 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	6.31	1261	111	4			90.73	158.30	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:58.000	Radar Report Msg	0b01 001c 003a 8f4a 16af 2793 0328 13b4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	6.31	1235	109	3			90.86	158.48	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8f4a 16b7 279f 0328 134c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	53.63	1241	109	5			130.31	132.06	5					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8f4a 2094 2104 1ad0 1364 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	20.66	1243	109	1			102.84	150.34	1					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8f4a 19b6 2596 0a54 136c 0201 0100 0001 0000 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	39.81	1262	111	5			118.09	138.69	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8f4a 1d86 22ac 13e8 13b8 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	41.28	1271	112	5			118.95	137.38	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8f4a 1dbd 2258 14a4 13dc 0205 0500 0005 0102 1d00 0000
01:03:58.110	Delete Track Msg	1704 0008 021c 0910

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:03:57.880	11	5.34	1251	110	1		89.95	158.94	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:58.120	Radar Report Msg	0b01 001c 003a 8fb8 167d 27bc 02ac 138c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	10.47	1266	111	7			94.14	155.77	7			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8fb8 1789 26f1 053c 13c8 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	ALT NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	28.53	1386	122	3			105.38		141.19		3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 8fb8 1a58 234c 0e44 15a8 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:58.210	523		2	0646		-228	-91		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+41.60	-0.82	91	41.57	1037 91	41.62	125.75	150.52	246	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
248	+12929	+12800	+12829	+12765	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:58.210	Active Track Maintenance Msg	1700 0058 0001 8eed 0001 940a 0001 90e9 003a 8dd4 fbf7 ff92 14cd ff97 0000 0000 efb9 f981 0000 40d8 299f 01a6 40d0 299c 003a 1f70 25a1 1187 020b 0000 0000 0500 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:03:58.210	394	N121NA	2	1320	1320	1V	-122	+10	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+18.74	-3.13	99	18.95	1132 100	19.00	103.08	154.08	122	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
275	+5929	+5800	+5800	+5800	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 b540 0000 b94a 0000 b540 003a 8e3f fbf7 0000 095f fe70 0000 0000
f753 00c3 0000 46c4 1301 02d0 46c0 1300 0000 19c5 2685 08b6 018a 0000 0000 0f80
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 02d0 0005 003c 003c 003c 0000 023d 0000
0000 0000 0000 0000 0000 0024 0003 0000 0000 0000 02db 0000 001a 015e 018a 0099
018b 0027 0000 0113 0248 0168 0000 0000 0000 0000 0000 0000 0000 020e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 a4ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5041 3434 0000 0000 5241 4c00 5344 3800 2020 2020 2020 2020
2020 0000 4e31 3231 4e41 0000 0000 0036 3932 0000 0056 0000 0000 0020 0000 0046
3036 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:58.210	519		2	1631	-159	-95			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+52.13	-9.53	100	52.98	1140 100	52.97	133.75	139.42	185	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
239	+8029	+7900	+7900	+7900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 f6e0 0000 faea 0000 f6e0 003a 8e4a fbf7 0000 1a11 fb3c 0000 0000 f4a7 f935 0000 474c 34f8 0399 4760 3500 1503 2170 22db 0d3a 0207 0000 0000 0102 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:58.210	245		2	5266	+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+46.41	-5.96	97	46.75	1107 97	46.79	129.13	144.25	161	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+3929	+3800	+0	+3929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:58.210 Active Track Maintenance Msg 1700 0058 0000 7aca 0000 7aca 0000 0000 0000 0000 fbf7 0000 1735 fd05 0000 0000
0000 0000 0000 4534 2ecb 0ab6 4534 2ecb 0000 2048 2410 0b84 00f5 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:58.330	298	2		0771			-203	-86	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+28.59	-5.96	101	29.17	1157 102	29.22	111.88	148.84	221	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
247	+9529	+9400	+9415	+9355	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:58.330	Active Track Maintenance Msg	1700 0058 0001 2458 0001 29ca 0001 2638 003a 8e5c fbf7 ff98 0e4b fd05 0000 0000
		f182 f9d9 0000 4851 1d38 01f9 4860 1d34 0000 1bf8 2536 0fbf 012a 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:58.330	339	2		2201			-195	-80	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+48.86	-12.72	104	50.43	1191 105	50.39	129.78	137.17	211	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
247	+8529	+8400	+8388	+8272	-24	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 0281 0001 0a8a 0001 0625 003a 8e80 fbf7 ff3a 186e f9a4 0000 0000
		f21c fa4a 0002 4a7e 3264 0481 4a60 327c 0000 2072 224b 0f05 0153 0000 0000 0000
		061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:58.330	280	2		6737			+522	+102	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+54.66	-18.99	109	57.81	1241 109	57.84	133.67	129.73	532	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
79	+27500	+27500	+27502	+27643	+30	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0003 5fdf 0003 5b60 0003 5b72 003a 8ebb 0000 00f6 1b54 f681 0000 0000 2526 0746 0000 4d91 39d6 0ddf 4da0 39dc a002 216b 206f 25da 0118 0000 0000 de54 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:58.330	389		2	1654		-171	+1		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+42.69	-14.68	109	45.12	1239 109	45.13	123.31	136.84	171	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
270	+7429	+7300	+7284	+7136	-32	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 df05 0000 e82a 0000 e3a6 003a 8eb9 fbf7 ff00 1558 f8a9 0000 0000
		f3d6 0022 0000 4d7b 2d21 03ac 4d80 2d24 0000 1ed4 2236 0c2a 0185 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:58.440	207	N8451R	2	4647	4647	1X	-106	+14	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+6.53	-2.80	113	7.05	1288 113	7.12	91.34	157.52	107	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
277	+6029	+5900	+5899	+5899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:03:58.440 Active Track Maintenance Msg 1700 0058 0000 b85c 0000 bc6a 0000 b85d 003a 8eef fbf7 0000 0344 fe99 0000 0000
f86d 00ff 0000 508a 071f 09a7 5080 071c 0000 16d6 2761 07a4 00cf 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09a7 0015 003c 003c 003c 0028 0068 0000
0000 0000 0000 0000 0000 0026 0001 0000 0000 0000 00b0 0000 0037 00e1 00cf 0041
0000 0044 0000 01bb 0036 00bd 0000 0000 0000 0000 0000 0000 0000 020c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5032 3841 0000 0000 504f 4300 5656 5600 2020 2020 2020 2020
2020 0000 4e38 3435 3152 0000 0000 0036 3633 0000 0058 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:58.440	590	2	4624			-9	-104		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+33.97	-15.05	113	37.10	1296 114	37.17	114.81	138.67	104	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
185	+3129	+3000	+2993	+3028	+7	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 5ea1 0000 61ca 0000 5d8b 003a 8ef8 fbf7 003c 10fc f879 0000 0000
		ff5b f898 0000 5108 252b 0994 5100 2528 0000 1cb4 22ab 076f 024e 0000 0000 0000
		041f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:58.440	55	2	7230			-239	-91		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+14.24	-11.35	128	18.14	1462 129	18.21	96.66	147.25	256	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
249	+4129	+4000	+3966	+3854	-24	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 7872 0000 810a 0000 7bf2 003a 8fb3 fbf7 ff40 071f fa53 0000 0000
eef1 f982 0000 5b6f 1237 0e98 5b70 1238 0000 182a 24d0 1240 0037 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:58.440	329	2	4657		-137	+181			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+24.03	-24.62	135	34.34	1544 136	34.41	102.77	131.95	227	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
322	+7029	+6900	+6900	+6900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:58.440	Active Track Maintenance Msg	1700 0058 0000 d7a0 0000 dbaa 0000 d7a0 003a 900f fbf7 0000 0c04 f3b1 0000 0000
		f631 0ce0 0000 6082 226a 09af 6080 2268 a00e 19b1 20fd 102f 0149 0000 0000 11c4
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:58.440	278	2	4613		+258	+41			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+17.96	-21.21	139	27.76	1587 140	27.82	97.77	136.78	262	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
80	+6029	+5900	+5902	+5902	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 b872 0000 bc6a 0000 b876 003a 9042 fbf7 0000 08fb f565 0000 0000
		1268 02f5 0000 6339 1bd3 098b 6360 1bcc 0007 1871 2232 12a5 0116 0000 0000 0ef7
		0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:58.210	14	4.09	1532	135	4		87.69	158.59	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:58.440	Radar Report Msg	0b01 001c 003a 909e 15ec 27a6 020c 17f0 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	20.69	1555	137	3					95.66	143.73	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 909e 17ea 23ef 0a58 184c 0203 0300 0004 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	23.59	1571	138	3					96.53	140.91	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:58.450	Radar Report Msg	0b01 001c 003a 9102 1822 233a 0bcc 188c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
21.59	1578	139	3			95.41	142.59	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 9102 17da 23a6 0acc 18a8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
18.78	1663	146	4			91.91	144.17	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 9102 16fa 240b 0964 19fc 0204 0400 0004 0101 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:58.550	321	2	4665	+0	+0		RADAR-ONLY: NO		

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+41.48	-3.48	94	41.58	1078	95 41.62	124.98	147.91	165	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2829	+2700	+0	+2829	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:58.550	Active Track Maintenance Msg	1700 0058 0000 586a 0000 586a 0000 0000 0000 0000 fbf7 0000 14bd fe43 0000 0000

0000 0000 0000 4368 299f 09b5 4368 299f 0000 1f3f 24fa 0bc0 0141 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	9.16	1691	149	3			88.36		153.20		3		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:58.560	Radar Report Msg	0b01 001c 003a 9170 1617 264d 0494 1a6c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.34	1711	150	5			87.08		156.92		5		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 9170 15c5 273b 02ac 1abc 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.00	1717	151	2			86.67	158.30	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 9170 15ab 2793 0200 1ad4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:58.440	15	5.03	1763	155	1		86.63	157.16	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:58.650	Radar Report Msg	0b01 001c 003a 91e8 15a8 274a 0284 1b8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.09	1811	159	3			86.17	158.09	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 91e8 158b 2786 020c 1c4c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	37.41	1747	154	4			93.39	125.27	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 91e8 1759 1f51 12b4 1b4c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y NM	STAT				
	4.09	1784	157	3				86.33		158.13	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 91e8 1595 2788 020c 1be0 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y NM	STAT				
	22.91	1822	160	5				87.83		139.08	5		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 91e8 15f5 22c5 0b74 1c78 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	3.94	1861	164	3			85.88	158.25	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 91e8 1578 2790 01f8 1d14 0203 0300 0001 0203 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:58.770	98	2	3253		+25	-180			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+8.55	-11.06	142	13.95	1620	142	14.02	91.23	148.98	182

INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
171	+4729	+4600	+4588	+4449	-29	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:58.770	Active Track Maintenance Msg	1700 0058 0000 8b08 0000 93ca 0000 8f60 003a 9063 fbf7 ff18 0447 fa78 0000 0000 01d4 f32f 0004 6548 0e05 06ab 6530 0dfc 0005 16cf 253f 0cf2 0062 0000 0000 9026 051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:58.770	561	2	4745		-154	+118			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
+16.45	-17.21	136	23.78	1551 136	23.81	97.31	141.03	194	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
307	+5429	+5300	+5301	+5201	-21	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 a28e 0000 a9aa 0000 a5a9 003a 9016 fbf7 ff54 0839 f765 0000 0000
		f502 0870 0000 60f0 17cf 09e5 60f0 17d0 1506 1854 2342 0ddb 0231 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:58.770	7	2	1275			-9	-3		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+41.65	-14.46	109	44.05	1241 109	44.05	122.36	137.31	10	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
248	+0	+0	+0	+0	+0	00000	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 0000 0000 0000 0000 0000 003a 8ebb 0000 0000 14d3 f8c5 0000 0000 ff52 ffb9 0000 4d92 2c0d 02bd 4da0 2c18 0c5c 1e97 2254 00bc 0007 0000 0000 0000 0000 2600 0203 1000 0300 0100 0000 0001 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	6.03	1883	165	1			85.75	156.03	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:58.770	Radar Report Msg	0b01 001c 003a 924c 1570 2702 0304 1d6c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.53	1875	165	1			85.80	157.61	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 924c 1573 2767 0244 1d4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	22.03	1883	165	3			85.70		139.88	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 924c 156d 22f8 0b04 1d6c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	3.78	1891	166	3			85.72		158.42	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 924c 156e 279b 01e4 1d8c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
4.19	2004	176	1						85.05	158.05	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 924c 1543 2783 0218 1f50 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:58.990	328		2	6655		+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+19.49	-21.99	138	29.31	1575 138	29.39	99.02	135.61	151	INHIBIT MSAW PROCESS: INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
0	+1229	+1100	+0	+1229	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:58.990	Active Track Maintenance Msg	1700 0058 0000 266a 0000 266a 0000 0000 0000 0000 fbf7 0000 09bf f501 0000 0000 0000 0000 0000 6273 1d63 0dad 6273 1d63 0000 18c1 21e7 0acf 0148 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:59.000	406		2	4622		-152	+4		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
+11.27	-21.96	152	24.65	1739 153	24.70	91.11	137.75	152	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
271	+4029	+3900	+3874	+3874	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:59.000	Active Track Maintenance Msg	1700 0058 0000 7916 0000 7dea 0000 7916 003a 90ea fbf7 0000 05a2 f505 0000 0000 f523 004f 0000 6cb7 18b2 0992 6cb0 18b0 003a 16c7 2270 0ade 0196 0000 0000 2063 041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:03:59.000	Delete Track Msg	1704 0008 00e6 0010

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
01:03:58.780	17	4.91	2007	176	2				84.88	157.30	2		RT	2	

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:59.000	Radar Report Msg	0b01 001c 003a 92ce 1538 2753 0274 1f5c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	17.97	2059	181	3					80.94	144.61	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 92ce 143c 2427 08fc 202c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	5.13	2072	182	2					84.36	157.19	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 92ce 1517 274c 0290 2060 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	5.47	2114	186	5					83.94	156.94	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:59.000	Radar Report Msg	0b01 001c 003a 933c 14fc 273c 02bc 2108 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS

5.31	2091	184	4		84.16	157.03	4		RT	2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 933c 150a 2742 02a8 20ac 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
5.00	2124	187	6				84.05	157.44	6			RT			2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 933c 1503 275c 0280 2130 0206 0600 0003 0202 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
5.31	2107	185	4				84.05	157.08	4			RT			2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 933c 1503 2745 02a8 20ec 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:59.090	530	2	4643		-279	+178			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+21.51	-43.23	153	48.24	1745	153	48.27	95.61	114.69	332 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
302	+20000	+20000	+20000	+20000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:59.090	Active Track Maintenance Msg	1700 0058 0002 7100 0002 7100 0002 7100 003a 90f3 0000 0000 0ac1 ea63 0000 0000
		ec19 0cb7 0000 6d1c 3044 09a3 6d30 3048 5453 17e7 1cac 179d 0212 0000 0000 9102
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:59.090	176	2	4772		+157	+46			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
+4.18	-10.30	158	11.05	1795	158	11.13	87.20	150.83	164 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW

73 +4529 +4400 +4362 +4286 -16 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 85f5 0000 8d8a 0000 8852 003a 912b fbf7 ff7e 0217 fad9 0000 0000
0b3c 0355 0000 703f 0b21 09fa 7050 0b20 0001 15cd 25b5 0bb8 00b0 0000 0000 9102
071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:59.090 310 2 1051 +438 +108 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+7.09 -31.77 167 32.52 1905 167 32.54 84.58 129.52 451 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
76 +22100 +22100 +22124 +22294 +36 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0002 b8b3 0002 b2a0 0002 b361 003a 91a5 0000 0127 038b f01e 0000 0000
1f2b 07bf 0000 7716 208b 0229 7710 208c 041a 1525 2061 201e 0136 0000 0000 054d
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:59.090 160 2 4645 +255 +266 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 6
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+3.56 -13.27 165 13.72 1878 165 13.76 85.86 148.27 369 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
43 +14129 +14000 +13983 +14343 +78 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 c039 0001 b98a 0001 b4f8 003a 9185 fbf7 0277 01c8 f95d 0000 0000
1232 12ef 0002 756a 0dc2 09a5 7550 0dc0 0000 1577 2511 1a42 00a0 0000 0000 0000
061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:03:59.090 Delete Track Msg 1704 0008 0157 0010

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:59.090 580 2 4614 -51 +59 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-0.30 -18.16 180 18.13 2058 181 18.18 80.88 144.36 78 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
318	+4729	+4600	+4625	+4667	+9	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:59.090	Active Track Maintenance Msg	1700 0058 0000 91db 0000 93ca 0000 908a 003a 9252 fbf7 0049 ffd9 f6eb 0000 0000 fc4e 0438 0000 80ad 122d 098c 7fff 122c 003a 1438 2417 059c 0244 0000 0000 0400 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
01:03:58.870	18	13.53	2203	194	3			79.39	150.02	3			RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:59.100	Radar Report Msg	0b01 001c 003a 9396 13d9 2581 06c4 226c 0203 0300 0004 0003 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.44	2219	195	1			83.72	158.25	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 9396 14ee 2790 0238 22ac 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.44	2243	197	1			83.59	158.33	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:59.210	Radar Report Msg	0b01 001c 003a 9404 14e6 2795 0238 230c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:59.430	219	2	1060	-402	-139				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-0.13	-17.76	180	17.75	2053	180 17.77	81.38	145.59	425	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	SLID WINDOW
251	+35100	+35100	+35083	+35167	+23	+2	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:59.430	Active Track Maintenance Msg	1700 0058 0004 4aff 0004 48e0 0004 485b 003a 924b 0000 00be ffef f71f 0000 0000

e362 f61c 0013 8055 11c6 0230 7fff 11c4 0001 1458 2466 1e48 00db 0000 0000 8b54
041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:59.430	449	2	7242		-310	+149			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-0.92	-33.48	181	33.45	2066 182	33.52	76.52	130.09	344	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
295	+32900	+32900	+32892	+32969	+16	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 064d 0004 0420 0004 03e7 003a 925a 0000 0086 ff8a ef43 0000 0000
		e9e7 0a9f 0000 812a 2186 0ea2 7fff 2180 5858 1321 2086 1884 01c1 0000 0000 00a8
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:59.190	20	5.81	2364	208	4		82.00	157.72	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:59.430	Radar Report Msg	0b01 001c 003a 947c 1480 276e 02e8 24f0 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
		5.56	2507	220	1		81.41	158.78	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:59.430	Radar Report Msg	0b01 001c 003a 9486 145a 27b2 02c8 272c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:59.530	361	2	1022		-207	-81			RADAR-ONLY: NO

FIRMNESS: 34

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-3.50	-17.31	191	17.66	2175	191 17.64	78.00	145.98	222	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	SLID WINDOW
248	+3529	+3400	+3423	+3520	+13	-3	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:59.530	Active Track Maintenance Msg	1700 0058 0000 6e06 0000 6e4a 0000 6af9 003a 92d8 fbf7 006d fe40 f758 0000 0000

f13c fa3d ffe7 87f5 11a5 0212 7fff 11ac 4011 1380 247f 0fd9 0169 0000 0000 000c
041f 2200 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:59.530 49 2 6311 +357 -89 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-9.89 -44.38 192 45.46 2189 192 45.46 64.98 121.45 368 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
104 +10629 +10500 +10496 +10361 -29 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 43ce 0001 4c2a 0001 4803 003a 92e6 fbf7 ff17 fb0e e9d0 0000 0000
196b f9ab 0000 88dd 2d75 0cc9 7fff 2d78 5858 103f 1e5d 1a32 0031 0000 0000 04f4
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:59.530 379 2 6312 +274 -7 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 7
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-5.86 -12.48 205 13.73 2333 205 13.78 76.98 151.30 274 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
91 +8629 +8500 +8473 +8321 -32 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 040a 0001 0daa 0001 08ce 003a 9387 fbf7 fefc fd12 f9c2 0000 0000
137e ff77 0002 91df 0dc7 0cca 7fff 0dcc 1400 133f 25d3 1380 017b 0000 0000 1e53
071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:03:59.530 312 2 -136 -48 RADAR-ONLY: NO
FIRMNESS: 33
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 3
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: NO
+5.86 -14.60 158 15.68 1799 158 15.74 87.73 146.23 144 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
250 CST CST +1052 +943 -23 +0 11110

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 1d7f 0000 298a 0000 20e7 003a 6d5f fbf7 ff44 02ee f8b3 0000 0000
f64a fc93 0000 7074 0fbe 0690 6f80 0fc4 a006 15ef 248f 0a4c 0138 0000 0000 0000
031e 2100 0203 1001 0303 0000 0000 0001 0100 0000 0000 0101

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:03:59.310	21	5.56	2531	222	1		81.30		158.95	1			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:59.540	Radar Report Msg	0b01 001c 003a 94e0 1453 27bd 02c8 278c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		8.28	2547	224	4		78.84		157.59	4			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 94e0 13b6 2766 0424 27cc 0204 0400 0001 0303 1d00 0000

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TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	12.25	2552	224	5				75.36		155.58	5		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 94e0 12d7 26e5 0620 27e0 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	5.97	2581	227	4				80.72		159.09	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:59.550	Radar Report Msg	0b01 001c 003a 9558 142e 27c6 02fc 2854 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	6.75	2622	230	2				79.83		159.08	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 9558 13f5 27c5 0360 28f8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	7.22	2667	234	1				79.20		159.33	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 9558 13cd 27d5 039c 29ac 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
15.47	2675	235	3				71.33		156.52	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 9558 11d5 2721 07bc 29cc 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
8.69	2667	234	1				77.80		158.78	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 9558 1373 27b2 0458 29ac 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
6.75	2681	236	2			79.59	159.63	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 9558 13e6 27e8 0360 29e4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
22.22	2723	239	3			64.47	155.73	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 9558 101e 26ef 0b1c 2a8c 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:59.650	155	2	3275		+80	+157			RADAR-ONLY: NO

FIRMNESS: 15

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+27.66	-22.35	129	35.51	1471 129	35.61	106.86	133.23	177	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
27	+5029	+4900	+4900	+4900	+0	+0	00011

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:59.650	Active Track Maintenance Msg	1700 0058 0000 9920 0000 9d2a 0000 9920 003a 8fb8 fbf7 0000 0dd5 f4d3 0000 0000

05b9 0b3b 0000 5bf0 239c 06bd 5bb0 2390 004b 1ab7 214f 0c9b 009b 0000 0000 0000
0403 0f00 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

01:03:59.650 Delete Track Msg 1704 0008 0128 0010

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:59.750	173	2	6307		+506	-231			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-11.59	-12.40	223	16.93	2539 223	16.96	72.14	153.23	557	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
114	+33000	+33000	+33000	+33000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:59.750	Active Track Maintenance Msg	1700 0058 0004 0740 0004 0740 0004 0740 003a 946d 0000 0000 fa35 f9cd 0000 0000
		240d ef89 0000 9eb3 10f7 0cc7 7fff 10f8 0000 1209 264f 27a2 00ad 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:03:59.750	319	OPT708	2	4725	4725	1W	+116	+29	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-0.41	-0.48	220	0.57	2494 219	0.63	85.27	161.48	119	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	Z FT/SEC/SEC	ALT SLID WINDOW
75	+829	+700	+670	+618	-11	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 1353 0000 19ea 0000 14f1 003a 9447 fbf7 ffa7 ffcc ffc3 0000 0000
		0842 0215 0000 9bec 00a2 09d5 7fff 00a0 0000 1551 285f 0884 013f 0000 0000 0000
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0004 0000 0000 0000 0202 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0003
		0000 0200 0000 0600 0000 0000 0000 0000 8000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09d5 0003 0122 ffff ffff 002a 0168 0000
		0000 0000 0000 02b8 0000 0001 0001 0000 0000 0000 005b 0000 0096 00f5 013f 0092
		0000 00be 0000 010d 008c 01a6 0000 0000 0000 0000 0000 0000 0000 022e ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0001 0000 0100 0000 0001 0000
		0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 03ff 0100 0000 0000 0000 0000 0100 0000 0000 0001 0001 0502

0001 0000 0000 0031 4245 3430 0000 0000 504d 4400 4255 5200 2020 2020 2020 2020
2020 0000 4f50 5437 3038 0000 0000 0032 3931 0000 0057 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

01:03:59.750 Delete Track Msg 1704 0008 0140 0110

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG	QUA	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:03:59.440	22	15.75	2746	241	2			70.56	158.05	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:59.760	Radar Report Msg	0b01 001c 003a 9620 11a4 2783 07e0 2ae8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG	QUA	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
		27.56	2775	244	2			58.81	156.39	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 9620 0eb4 2719 0dc8 2b5c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT			
	28.16	2803	246	3					58.02	157.45	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 9620 0e81 275d 0e14 2bcc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT			
	29.75	2781	244	7					56.61	156.22	7		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 9620 0e27 270e 0ee0 2b74 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT			
	8.72	2746	241	3					77.45	159.77	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 9620 135d 27f1 045c 2ae8 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT			

2.00 2796 246 5 84.61 161.64 5 RT 2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 9620 1527 2869 0100 2bb0 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
11.00	2821	248	2			74.98	160.44	2				RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 9620 12bf 281c 0580 2c14 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:59.970	8	2	1273		-3	-2			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-37.78	-33.20	228	50.26	2601 229	50.32	40.83	139.30	4	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
237	-899	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:03:59.970	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e3e1 ffff e3e1 003a 94b5 0000 0000 ed1c ef66 0000 0000
		ffbe ffd6 0000 a29c 3251 02bb 7fff 324c 0000 0a35 22d3 004f 0008 0000 0000 0000
		0a1f 2603 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:03:59.970	586	2	4673		+323	+6			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-17.16	-12.08	234	20.95	2671 235	21.00	66.17	154.52	323	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
88	+10029	+9900	+9907	+9830	-16	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0001 3333 0001 396a 0001 3598 003a 9504 fbf7 ff7c f76c f9f6 0000 0000
1700 007a 0000 a6f1 14ff 09bb 7fff 14fc 0000 108b 26a1 1702 024a 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

01:03:59.970 Delete Flight Data Msg 1809 0008 003d 0200

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:00.100	275	2	0257	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+35.48	+0.99	88	35.45	1005	88 35.50	120.33	153.77	96	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1829	+1700	+0	+1829	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:00.100	Active Track Maintenance Msg	1700 0058 0000 392a 0000 392a 0000 0000 0000 0000 fbf7 0000 11be 007f 0000 0000
		0000 0000 0000 3edc 237f 00af 3edc 237f 0000 1e15 2671 06dc 0113 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:04:00.100	Delete Track Msg	1704 0008 0096 0010
01:04:00.100	Delete Track Msg	1704 0008 00f5 0110
01:04:00.100	Delete Track Msg	1704 0008 0092 0310
01:04:00.100	Delete Track Msg	1704 0008 00be 0510
01:04:00.100	Delete Track Msg	1704 0008 010d 0710
01:04:00.100	Delete Track Msg	1704 0008 01a6 0910

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:00.100	304	2	7342		-322	+157			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-29.14	-20.05	235	35.33	2679 235	35.37	52.94	149.98	358	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
296	+35000	+35000	+35001	+35002	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:00.100	Active Track Maintenance Msg	1700 0058 0004 45d1 0004 45c0 0004 45cd 003a 950b 0000 0001 f16e f5f9 0000 0000
		e917 0b35 0000 a775 235e 0ee2 7fff 2360 0001 0d3c 257f 1981 0130 0000 0000 9710
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP DEG	QUA ALT	BEACON X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS

01:03:59.860 25 12.00 2836 249 3 73.95 160.58 3 RT 2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:00.100	Radar Report Msg	0b01 001c 003a 9710 127d 2825 0600 2c50 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	28.03	2819	248	3		58.03		158.16		3		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 9710 0e82 278a 0e04 2c0c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	15.47	2998	263	4		70.55		164.02		4		RT	2					

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:00.110	Radar Report Msg	0b01 001c 003a 971a 11a3 2901 07bc 2ed8 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
18.53	3091	272	3						68.06	167.03	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:00.110	Radar Report Msg	0b01 001c 003a 9774 1104 29c2 0944 304c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
6.94	3097	272	7						79.31	163.80	7		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 9774 13d4 28f3 0378 3064 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
13.44	3127	275	2						73.20	166.28	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 9774 124d 2992 06b8 30dc 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS

13.75 3121 274 4 72.86 166.27 4 RT 2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 9774 1237 2991 06e0 30c4 0204 0400 0001 0303 1d00 0000
01:04:00.190	Delete Track Msg	1704 0008 011a 0010
01:04:00.190	Delete Track Msg	1704 0008 0115 0110
01:04:00.190	Delete Track Msg	1704 0008 00a7 0710
01:04:00.190	Delete Track Msg	1704 0008 0075 0910

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:00.190 591 N31F 2 0260 0260 1Y +49 +76 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-7.66 -2.77 250 8.11 2846 250 8.15 77.66 161.09 90 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: YES
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
33 +1929 +1800 +1776 +1757 -3 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

01:04:00.190 Active Track Maintenance Msg 1700 0058 0000 36ef 0000 3c4a 0000 3784 003a 95c6 fbf7 ffe1 fc2b fe9d 0000 0000
038e 0568 0000 b1ec 0826 00b0 7fff 0828 2a44 136a 2846 0678 024f 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 00b0 008a 0104 ffff ffff 003d 000e 0000
0000 0000 0000 0000 0000 008a 008a 0000 0000 0000 0000 0000 00c9 0215 024f 015c
0000 00b1 0000 013a 00d7 00d5 0000 0000 0000 0000 0000 0000 0000 0448 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0004 2020 2fff 0000 0000 0000 0000 0000 0000 0000 0000 0001 0702
0001 0000 0000 0043 0000 0000 0000 0000 0000 0000 564e 5900 2020 2020 2020 2020
2020 0000 4e33 3146 0000 0000 0000 0000 0000 0000 0059 0000 0000 0020 564e 5900
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE--- ASSIGNED	BEACON CODE--- REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:00.190	545	2	4706	-147	-61				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-23.19	-5.96	255	23.93	2908 256	23.94	61.84	161.95	160	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
247	+4029	+3900	+3900	+3900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 79e0 0000 7dea 0000 79e0 003a 960d fbf7 0000 f468 fd05 0000 0000 f57a fba2 0000 b5cc 17f1 09c6 7fff 17f0 5858 0f76 287d 0b64 0221 0000 0000 0030 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:03:59.970	26	12.84	3139	276	1		73.84	166.31	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:00.200	Radar Report Msg	0b01 001c 003a 97e2 1276 2994 066c 310c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	13.31	3131	275	2			73.34	166.31	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 97e2 1256 2994 06a8 30ec 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.81	3183	280	5			76.03	166.25	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 97e2 1302 2990 0568 31bc 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:00.310	475	N6887L	2	4714	4714	1W	+180	+29	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X	DISPLAY NM	DISPLAY Y	DISPLAY NM	PRED_AZIM AZI DEG	PREDICTED RANGE NM	SYSTEM ACP	SYSTEM DEG	SYSTEM RANGE NM	SPEED X NM	SPEED Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 ALTITUDE VALID: YES

-19.00 -1.37 266 19.04 3024 266 19.04 67.06 165.33 183 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
80	+5029	+4900	+4882	+4882	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:00.310	Active Track Maintenance Msg	1700 0058 0000 9890 0000 9d2a 0000 9890 003a 9691 fbf7 0000 f680 ff51 0000 0000 0cde 021c 0000 bd05 130b 09cc 7fff 130c a014 10c4 2955 0d0a 01db 0000 0000 7460 041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0004 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 2000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09cc 0003 0000 ffff 0032 0038 0253 0000
0000 0000 0000 00e0 0000 0003 0005 0000 0000 0000 00f2 0000 0014 0138 01db 00c3
0000 01aa 0000 0062 0054 01c9 0000 0000 0000 0000 0000 0000 0000 025c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 1dff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0502
0001 0000 0000 0036 4334 3231 0000 0000 4f58 5200 4343 4200 2020 2020 2020 2020
2020 0000 4e36 3838 374c 0000 0000 0037 3937 0000 0057 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: OVR
01:04:00.310 274 N8063T 2 4763 4763 1V +122 +34 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 6
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-17.32 -3.33 259 17.63 2948 259 17.65 68.20 163.00 127 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
74 +6729 +6600 +6593 +6653 +13 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 cfee 0000 d24a 0000 ce0c 003a 963a fbf7 006b f757 fe56 0000 0000

08b9 0270 0001 b84d 11a7 09f3 7fff 11a4 0003 110d 28c0 090e 0112 0000 0000 0100
061f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09f3 0005 0032 ffff 0032 002c 022a 0000
0000 0000 0000 01b8 0000 0003 0015 0000 0000 0000 00ae 0000 0070 0245 0112 00cb
0000 002d 0000 0194 0133 0144 0000 0000 0000 0000 0000 0000 0000 042f ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 00ff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0036 5041 3332 0000 0000 4f58 5200 4844 4600 2020 2020 2020 2020
2020 0000 4e38 3036 3354 0000 0000 0030 3030 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:00.310 87 CPF420 2 4664 4664 1X +79 -66 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 3
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-4.78 -0.34 266 4.76 3026 266 4.81 81.11 162.70 103 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
129 +4929 +4800 +4850 +4894 +9 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 98f3 0000 9a0a 0000 9790 003a 9691 fbf7 004d fd9c ffd5 0000 0000
05a1 fb4b 0000 bd29 04cf 09b4 7fff 04cc 0506 1447 28ad 0756 0057 0000 0000 0000
031f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09b4 0015 0032 0032 0032 003c 017c 0000
0000 0000 0000 0000 0000 0001 0026 0000 0000 0000 00ed 0000 01b0 009b 0057 0201
0000 016b 0000 0010 0184 0185 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2eff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 4332 3036 0000 0000 5748 5000 544f 4100 2020 2020 2020 2020
2020 0000 4350 4634 3230 0000 0000 0035 3634 0000 0058 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:00.310	297	2	1056	-20	+91				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-41.14	-2.27	266	41.18	3037 267	41.20	45.42	170.06	94	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
347	+5929	+5800	+5843	+5910	+14	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 b8b1 0000 b94a 0000 b699 003a 969d fbf7 0074 eb6e fede 0000 0000 fe8d 0688 0000 bdd1 2933 022e 7fff 2934 a014 0b5b 2a84 06b1 0129 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:00.310	9	2	1275		+6	-9			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-12.49	-11.02	228	16.60	2600 229	16.68	70.91	154.36	11	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
145	-470	-599	-599	-599	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 ffff ed41 ffff f14b ffff ed41 003a 94b4 fbf7 0000 f9c1 fa7e 0000 0000
		0072 ff58 0000 a28e 10af 02bd 7fff 10a8 13fc 11ba 2697 00cb 0009 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:00.310	424	2	7234		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
-1.02	-16.28	183	16.28	2088 184	16.31	80.64	146.36	164	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1729	+1600	+0	+1729	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:00.310 Active Track Maintenance Msg 1700 0058 0000 360a 0000 360a 0000 0000 0000 0000 fbf7 0000 ff7e f7dc 0000 0000
0000 0000 0000 8289 1050 0e9c 8289 1050 0000 1429 2497 0bb8 01a8 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	13.94	3281	288	4			74.17		169.38		4		RT		2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:00.310	Radar Report Msg	0b01 001c 003a 985a 128b 2a58 06f8 3344 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	10.13	3244	285	4			77.09		166.80		4		RT		2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 985a 1346 29b3 0510 32b0 0204 0400 0001 0303 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
9.94	3254	286	2				77.33	166.83	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 985a 1355 29b5 04f8 32d8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
3.47	3339	293	1				83.36	163.72	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 985a 14d7 28ee 01bc 342c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
9.69	3350	294	2				78.36	167.86	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 985a 1397 29f7 04d8 3458 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:00.540	362	2		0006	+273	-351			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES

-27.10 +1.96 274 27.13 3120 274 27.12 60.17 170.56 445 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
142	+15829	+15700	+15718	+15639	-23	-2	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:00.540	Active Track Maintenance Msg	1700 0058 0001 e8bb 0001 eeaa 0001 eb37 003a 96fa fbf7 ff46 f273 00fb 0000 0000 1375 e70a ffec c307 1b1e 0006 7fff 1b2c 003a 0f0b 2aa4 1fa6 016a 0000 0000 0700 041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:00.540 84 N774CS 2 3376 3376 1W +153 -147 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-21.95 +5.39 283 22.59 3228 284 22.59 65.97 172.58 213 INHIBIT MSAW PROCESS: YES
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
134 +10029 +9900 +9861 +9829 -6 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0001 332e 0001 396a 0001 342a 003a 9776 fbf7 ffca f507 02b2 0000 0000
0aeb f57c 0000 c9cf 1696 06fe 7fff 1698 0000 107e 2b25 0f28 0054 0000 0000 98b4
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 06fe 0003 012c ffff f830 0037 01ab 0000
0000 0000 0000 0142 0000 0007 002e 0000 0000 0000 00a9 0000 0215 0249 0054 0250
0000 0000 0000 0213 0091 014a 0000 0000 0000 0000 0000 0000 0000 03cb ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2056 2eff 0000 0000 0000 0000 0000 0101 0003 0000 0001 0001 0502
0001 0000 0000 0043 4332 3130 0000 0000 5341 3900 544f 4100 2020 2020 2020 2020
2020 0000 4e37 3734 4353 0000 0000 0036 3032 0000 0057 0000 0000 0020 0000 004f
4646 5620 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE--- ASSIGNED	BEACON CODE--- REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:00.640	194	DDA77	2	4043	4043	0	+363	-336	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-43.63	+17.91	292	47.14	3325 292	47.14	48.19	190.16	495	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
132	+18900	+18900	+18929	+18591	-73	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:00.640	Active Track Maintenance Msg	1700 0058 0002 44fc 0002 4ea0 0002 4f8a 003a 97e3 0000 fdb5 ea2f 08f5 0000 0000 19db e80f 0000 cfdc 2f24 0823 7fff 2f2c 0003 0c0c 2f8a 233d 00c2 0000 0000 99ae 0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0823 0000 0136 ffff 0172 003f 0204 0000
		0000 0000 0000 0001 0007 0007 0007 0000 0000 0000 00ab 0000 0090 00b2 00c2 0000
		0000 0000 0000 00c8 0155 0189 0000 0000 0000 0000 0000 0000 0000 023d ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000 0100 0000
		0100 0000 0001 0000 0001 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0005 2000 2fff 0000 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0102
		0001 0000 0000 0043 4c4a 3335 0000 0000 4649 4d00 564e 5900 2020 2020 2020 2020
		2020 0000 4444 4137 3700 0000 0000 0033 3535 0000 0000 0000 0000 0020 0000 0000
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG X	QUA NM	BEACON Y	ALT NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:00.420	28	7.28	3421	301	4		80.78	166.88	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:00.650	Radar Report Msg	0b01 001c 003a 9936 1432 29b8 03a4 3574 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG X	QUA NM	BEACON Y	ALT NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		4.66	3418	300	3		82.69	164.92	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 9936 14ac 293b 0254 3568 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
7.19	3427	301	4						80.89	166.86	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 9936 1439 29b7 0398 358c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
14.03	3467	305	3						76.70	172.41	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 9936 132d 2b1a 0704 362c 0203 0300 0003 0003 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	27.66	3507	308	3			69.13	183.84	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:00.660	Radar Report Msg	0b01 001c 003a 99ae 1148 2df6 0dd4 36cc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:00.510	29	5.28	3683	324	3			83.91	166.50	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:00.750	Radar Report Msg	0b01 001c 003a 99fe 14fa 29a0 02a4 398c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.94	3690	324	2			84.09	166.19	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 99fe 1506 298c 0278 39a8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.31	3672	323	4			83.83	166.50	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg	0b01 001c 003a 99fe 14f5 29a0 02a8 3960 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	4.75	3701	325	2			84.23		166.03	2		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 99fe 150f 2982 0260 39d4 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:00.850	384	2		1200	+95	+64			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-34.46	-1.32	267	34.46	3047 268	34.50	52.13	169.28	115	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
56	+5629	+5500	+5500	+5500	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:00.850	Active Track Maintenance Msg	1700 0058 0000 abe0 0000 afea 0000 abe0 003a 96a9 fbf7 0000 eec5 ff57 0000 0000 06c6 0497 0000 be74 2281 0280 7fff 227c 0001 0d08 2a52 082f 0180 0000 0000 9a08 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:00.960	51	2		1331	-197	+278			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-25.13	+18.45	306	31.16	3484 306	31.18	66.41	185.73	341	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
324	+31000	+31000	+31000	+31000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:00.960 Active Track Maintenance Msg 1700 0058 0003 c8c0 0003 c8c0 0003 c8c0 003a 9896 0000 0000 f370 093a 0000 0000
f1f3 13c6 0000 d9cc 1f2e 02d9 7fff 1f2c 003a 109a 2e6f 1842 0033 0000 0000 160f
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:00.960	56	2	4752		-127	+185			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-28.02	+22.49	308	35.88	3513 309	35.94	64.41	190.66	225	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
325	+12029	+11900	+11900	+11900	+0	+0	11111

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CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 73e0 0001 77ea 0001 73e0 003a 98b6 fbf7 0000 f1fd 0b3f 0000 0000
f6ea 0d33 0000 db92 23f1 09ea 7fff 23f0 22fe 101a 2faa 1006 0038 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:00.960 400 2 4675 -193 -39 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-41.87 +32.98 308 53.23 3507 308 53.33 53.67 204.30 197 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
258 +14029 +13900 +13900 +13900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 b260 0001 b66a 0001 b260 003a 98af fbf7 0000 eb11 107e 0000 0000
f244 fd38 0000 db32 3554 09bd 7fff 354c 02ec 0d6b 3313 0e03 0190 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:00.960 392 2 7304 -251 +264 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-26.59 +22.65 310 34.89 3531 310 34.90 65.91 190.31 365 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
316	+23100	+23100	+23101	+23186	+18	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 d496 0002 d1e0 0002 d1e8 003a 98cb 0000 0094 f2b5 0b53 0000 0000 ee16 12d8 0000 dcbd 22e6 0ec4 7fff 22ec 0404 107a 2f94 1a00 0188 0000 0000 001c 051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:00.960 322 N900RL 2 3601 3601 1F +55 -230 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 7
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-10.19 +11.30 317 15.18 3615 318 15.20 78.80 175.33 236 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
166 +6929 +6800 +6792 +6687 -22 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 d0fe 0000 d88a 0000 d440 003a 992c fbf7 ff4d fae8 05a7 0000 0000
03fb efa0 0001 e1f4 0f34 0781 7fff 0f38 0000 13b3 2bd5 10da 0142 0000 0000 0000
071f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0781 0001 0122 ffff 01c2 0037 01b6 0000
0000 0000 0000 00ba 0000 0001 008a 0000 0000 0000 008f 0000 012b 00a5 0142 009b
0000 01c6 0000 01cb 000c 020d 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0100 0000 0000 0000 0000 0100 0003 0000 0001 0001 0702
0001 0000 0000 0031 474c 4634 0000 0000 504d 4400 5656 5600 2020 2020 2020 2020
2020 0000 4e39 3030 524c 0000 0000 0035 3736 0000 0046 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE--- ASSIGNED	BEACON CODE--- REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:00.970	59	2	4603	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+52.53	+10.24	79	53.48	898 79	53.52	139.06	158.36	322	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+21100	+21100	+0	+21100	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:00.970	Active Track Maintenance Msg	1700 0058 0002 9360 0002 9360 0000 0000 0000 0000 0000 0000 1a44 051f 0000 0000 0000 0000 0000 3827 3585 0983 3827 3585 0000 22c4 2797 16f1 003b 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:00.780	31	4.56	3755	330	4		84.64	165.94	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:01.120	Radar Report Msg	0b01 001c 003a 9af8 1529 297c 0248 3aac 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		36.91	3850	338	4		81.31	198.42	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:01.130	Radar Report Msg	0b01 001c 003a 9b0c 1454 319b 1274 3c28 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		58.28	3851	338	4		78.81	219.66	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 9b0c 13b4 36ea 1d24 3c2c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		29.63	3939	346	3		86.22	191.41	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 9b0c 158e 2fda 0ed0 3d8c 0203 0300 0003 0003 1d00 0000

END TIME	START TIME	TARGET REPORTS: LIVE	SIMULATED		VALID MODE-C:	0
01:04:00.960	01:03:56.230	RADAR-ONLY	113	0	0.0%	
SENSOR = 2		BEACON-ONLY	0	0		
		RADAR & BEACON	0	0	VALID MODE-3/A:	0
		TOTAL	113	0	0.0%	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:01.200	Sensor Sector Mark Msg	1715 000c 003a 9bc0 0000 0200

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:04:01.200	74	N40905	2	6701	6701	0	-49	+65	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6
-9.23	+15.84	329	18.29	3752 330	18.34	80.88	179.42	82	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
322	+10029	+9900	+9900	+9906	+1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:01.200	Active Track Maintenance Msg	1700 0058 0001 3597 0001 396a 0001 3564 003a 99c3 fbf7 000b fb63 07eb 0000 0000
		fc72 04a5 0000 ea84 1258 0dc1 7fff 1254 003a 1438 2cdb 05d9 004a 0000 0000 0700
		061f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0dc1 0000 0064 0064 0064 058a 0094 0000
		0000 0000 0000 0000 0000 0058 0005 0000 0000 0000 029c 0000 01cc 012f 004a 01c6
		0000 0213 0000 0001 0134 005a 0000 0000 0000 0000 0000 0000 0000 00dc ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
		0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 9900 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
		0001 0000 0000 0043 5032 3852 0000 0000 4d59 4600 4c48 5300 2020 2020 2020 2020
		2020 0000 4e34 3039 3035 0000 0000 0035 3837 0000 0000 0000 0000 0020 0000 0056
		3539 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
01:04:00.960	0	8.63	3977	350	2				86.39	170.28	2				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:01.210	Radar Report Msg	0b01 001c 003a 9b66 1599 2a92 0450 3e24 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
		11.09	4058	357	3				87.92	172.59	3				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:01.210	Radar Report Msg	0b01 001c 003a 9bca 15fb 2b26 058c 3f68 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.81	32	3	4		87.44	167.16	4			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 9bca 15dc 29ca 02e8 0080 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:01.300	532	2	0772	+0	+0		RADAR-ONLY: NO		

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+60.44	-0.48	90	60.44	1029	90	60.44	144.02	145.98	246 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC WINDOW
0	+16029	+15900	+0	+16029	+0	+0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:01.300	Active Track Maintenance Msg	1700 0058 0001 f4ea 0001 f4ea 0000 0000 0000 0000 fbf7 0000 1e38 ffc2 0000 0000 0000 0000 0000 4053 3c70 01fa 4053 3c70 0000 2401 247f 117f 0214 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:01.080	1	8.84	22	2	2		88.25	170.16	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:01.310	Radar Report Msg	0b01 001c 003a 9c38 1610 2a8a 046c 0058 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:01.420	358	2		7303		+47	+319		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
-2.02	+14.63	352	14.76	4005 352	14.77	87.52	176.28	322	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
8	+16629	+16500	+16480	+16634	+33	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:01.420	Active Track Maintenance Msg	1700 0058 0002 07d1 0002 07aa 0002 0305 003a 9ae1 fbf7 010d fefe 0751 0000 0000
		0359 16b2 0001 fa56 0ec5 0ec3 7fff 0ec8 0000 15e1 2c12 16f1 0166 0000 0000 0000
		081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:01.210	2	10.34	203	18	3		91.25	170.44	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:01.530	Radar Report Msg	0b01 001c 003a 9cba 16d0 2a9c 052c 032c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.91	275	24	1			92.53	170.23	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:01.540	Radar Report Msg	0b01 001c 003a 9cce 1722 2a8f 0574 044c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:01.410	3	17.78	281	25	5		97.00	175.52	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:01.650	Radar Report Msg	0b01 001c 003a 9d82 1840 2be1 08e4 0464 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.72	259	23	1			92.20	170.23	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a 9d8c 170d 2a8f 055c 040c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM	COR SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	26.91	349	31	5			104.86	180.70	5		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 9d8c 1a37 2d2d 0d74 0574 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM	COR SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	1.13	405	36	0			86.34	162.31	0		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 9d8c 1596 2894 0090 0654 0200 0000 0000 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:01.740	491	2	2734		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+32.65	-20.14	121	38.33	1384 122	38.36	112.20	134.05	133	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1629	+1500	+0	+1629	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:01.740	Active Track Maintenance Msg	1700 0058 0000 32ea 0000 32ea 0000 0000 0000 0000 fbf7 0000 1053 f5ee 0000 0000 0000 0000 0000 5685 265c 05dc 5685 265c 0000 1c0d 2183 0986 01eb 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:01.530	4	7.38	507	45	3		91.94	165.52	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:01.750	Radar Report Msg	0b01 001c 003a 9e04 16fc 2961 03b0 07ec 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		7.22	467	41	1		91.58	165.80	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 9e04 16e5 2973 039c 074c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	7.22	490	43	1		91.70		165.58	1			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 9e04 16ed 2965 039c 07a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:01.740	5	3.69	695	61	4		88.97		162.64	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:02.080	Radar Report Msg	0b01 001c 003a 9ee0 163e 28a9 01d8 0adc 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	1.97	682	60	0			86.84	162.13	0		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 9ee0 15b6 2888 00fc 0aa8 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.03	731	64	7			89.39	162.55	7		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 9ee0 1659 28a3 0204 0b6c 0207 0700 0003 0302 1d00 0000
01:04:02.180	Delete Track Msg	1704 0008 0137 0210

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:01.950	7	3.59	714	63	1		88.89	162.53	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:02.190	Radar Report Msg	0b01 001c 003a 9f44 1639 28a2 01cc 0b28 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	3.91	774	68	2			89.28	162.28	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a 9f4e 1652 2892 01f4 0c18 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.34	858	75	1			89.80	161.83	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:02.210	Radar Report Msg	0b01 001c 003a 9fa8 1673 2875 022c 0d68 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:02.300 460 EJA631 2 4757 0 -271 -157 RADAR-ONLY: NO
FIRMNESS: 28
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 3
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: NO
+6.80 +27.75 13 28.56 156 14 28.57 99.33 186.89 313 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
240 CST CST +13533 +13389 -31 +0 11101

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:04:02.300 Active Track Maintenance Msg 1700 0058 0001 a26d 0001 a9ea 0001 a6eb 003a 89fd fbf7 ff07 0366 0de0 0000 0000
ecb3 f4d3 0000 09c9 1c92 09ef 0a30 1cd8 003a 18d5 2eb9 164d 01cc 0000 0000 0200
031d 1c00 0201 1001 0303 0000 0000 0001 0100 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09ef 0000 0172 ffff ffff 003c 026d 0000
0000 0000 0000 0001 0001 0001 0001 0000 0000 0000 009a 0000 003e 01bd 01cc 01a5
0000 01e5 0000 01c8 005b 0124 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2fff 0100 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0702
0001 0000 0000 0031 4335 3658 0000 0000 504d 4400 564e 5900 2020 2020 2020 2020
2020 0000 454a 4136 3331 0000 0000 0039 3135 0000 0000 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE--- ASSIGNED	BEACON CODE--- REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:02.400	6	2	1274	-1	-5				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+37.57	+17.84	64	41.57	735 65	41.59	126.63	169.58	5	INHIBIT MSAW PROCESS: INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
198	-770	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:02.400	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e7eb ffff e3e1 003a 9efa fbf7 0000 12c9 08eb 0000 0000 ffe1 ffa3 0000 2df3 2996 02bc 2df0 2998 0101 1fa8 2a65 0062 0006 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:02.190	9	5.28	978	86	4		90.70	160.91	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:02.400	Radar Report Msg	0b01 001c 003a a08e 16ad 283a 02a4 0f48 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	2.91	1123	99	0			87.97	160.88	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:02.520	Radar Report Msg	0b01 001c 003a a0a2 15fe 2838 0174 118c 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	37.53	1123	99	4			120.17	146.95	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a0a2 1e0b 24bd 12c4 118c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	29.63	1114	98	7			113.06	150.47	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a a0a2 1c44 259e 0ed0 1168 0207 0700 0003 0302 1d00 0000
01:04:02.620 Delete Track Msg 1704 0008 003d 0310

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:02.750	523	2		0646		-228	-90		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+41.32	-0.95	91	41.32	1039	91	41.32	125.44	150.47	246 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
248	+12929	+12800	+12777	+12717	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:02.750	Active Track Maintenance Msg	1700 0058 0001 8d6b 0001 940a 0001 8f4f 003a a050 fbf7 ff98 14a9 ff86 0000 0000 efb8 f999 0000 40f2 2953 01a6 40f0 2954 0001 1f5c 259e 117f 020b 0000 0000 8cac 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:02.750	519		2	1631		-155	-103		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+51.94	-9.66	100	52.82	1143 100	52.81	133.53	139.34	187	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
236	+8029	+7900	+7900	+7900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:02.750	Active Track Maintenance Msg	1700 0058 0000 f6e0 0000 faea 0000 f6e0 003a a0c7 fbf7 0000 19f8 fb2b 0000 0000
		f4ea f8a5 0000 4774 34d0 0399 4780 34d4 0000 2162 22d6 0d4d 0207 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:04:02.750	394	N121NA	2	1320	1320	1V	-124	+7	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+18.56	-3.13	99	18.82	1132 100	18.84	102.92	154.11	124	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
273	+5929	+5800	+5800	+5800	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 b540 0000 b94a 0000 b540 003a a0ba fbf7 0000 0948 fe6f 0000 0000 f72e 0084 0000 46c7 12d8 02d0 46d0 12d4 5858 19bb 2687 08d6 018a 0000 0000 00a8 0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:02.750 298 2 0771 -205 -83 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+28.33 -6.04 102 28.94 1161 102 28.98 111.61 148.84 221 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
248 +9429 +9300 +9336 +9271 -14 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 21ba 0001 26aa 0001 23c0 003a a0da fbf7 ff8f 0e2a fcfb 0000 0000
f160 fa15 0000 4892 1cfc 01f9 4890 1cf8 14f6 1be7 2536 0fc7 012a 0000 0000 0103
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:02.750 339 2 2201 -187 -95 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 7
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+48.59 -12.96 105 50.25 1193 105 50.19 129.47 137.00 210 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
242 +8429 +8300 +8286 +8178 -23 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 ff95 0001 076a 0001 02f6 003a a0ff fbf7 ff47 184c f985 0000 0000
f2b3 f932 0001 4a95 3231 0481 4aa0 324c a007 205e 2240 0ef1 0153 0000 0000 3da0
071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:02.750	389	2	1654		-171	+0			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+42.45	-14.68	109	44.89	1240 109	44.93	123.09	136.91	171	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
270	+7329	+7200	+7158	+7015	-30	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 db3f 0000 e50a 0000 dfb4 003a a134 fbf7 ff0b 153a f8a9 0000 0000
		f3cb 000f 0001 4d8e 2ced 03ac 4d90 2cec 0000 1ec6 223a 0c35 0185 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:02.750	280	2	6737		+521	+110			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+55.34	-18.76	108	58.40	1237 109	58.44	134.41	129.78	533	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
78	+27700	+27700	+27663	+27809	+31	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0003 650e 0003 61a0 0003 607b 003a a12f 0000 00ff 1bac f69f 0000 0000
		251b 07dc 0000 4d5c 3a71 0ddf 4d50 3a70 0000 219a 2072 25ed 0118 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN	RANGE NM	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM Y	PROC STAT	STR	SC	TYP	SYS
01:04:02.530	11	7.63	1171	103	4			92.36	158.38	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:02.750	Radar Report Msg	0b01 001c 003a a16a 1717 2798 03d0 124c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	40.59	1147	101	4			122.36		144.39	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a16a 1e97 2419 144c 11ec 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	7.56	1175	103	4			92.28		158.38	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a16a 1712 2798 03c8 125c 0204 0400 0001 0303 1d00 0000

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TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	6.34	1234	108	3				90.89		158.48	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a16a 16b9 279f 032c 1348 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	3.34	1235	109	3				88.20		160.23	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a16a 160d 280f 01ac 134c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	53.72	1243	109	4				130.30		131.88	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:02.760	Radar Report Msg	0b01 001c 003a a1d8 2093 20f8 1adc 136c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	5.31	1251	110	4				89.92		158.95	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a a1d8 167b 27bd 02a8 138c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
10.53	1265	111	7				94.19		155.73		7		RT		2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:02.760	Radar Report Msg	0b01 001c 003a a1e2 178c 26ef 0544 13c4 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
47.16	1339	118	4				120.58		130.09		4		RT		2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a1e2 1e25 2086 1794 14ec 0204 0400 0005 0003 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	28.56	1387	122	3		105.36	141.13	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a1e2 1a57 2348 0e48 15ac 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:02.850	101	2	3507	+0	+0				RADAR-ONLY: NO
									FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+24.66	-27.91	138	37.19	1576 139	37.25	102.50	128.58	220	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:02.850	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0c55 f20b 0000 0000
		0000 0000 0000 6283 253f 0747 6283 253f 0000 19a0 2025 0fb5 0065 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:02.850	527	2	4676	+0	+0				RADAR-ONLY: NO
									FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
+23.63	-27.13	139	35.97	1580 139	35.97	101.70	129.59	100	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1929	+1800	+0	+1929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 3c4a 0000 3c4a 0000 0000 0000 0000 fbf7 0000 0bd0 f270 0000 0000
		0000 0000 0000 62ce 23f8 09be 62ce 23f8 0000 196d 2066 072c 020f 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:02.850	245	2	5266		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+46.27	-6.11	97	46.64	1109 98	46.66	128.94	144.14	166	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+3929	+3800	+0	+3929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 7aca 0000 7aca 0000 0000 0000 0000 fbf7 0000 1722 fcf2 0000 0000
		0000 0000 0000 4559 2eaa 0ab6 4559 2eaa 0000 203c 2409 0bd9 00f5 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:02.610	12	24.00	1534	135	5		97.91	141.20	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:02.880	Radar Report Msg	0b01 001c 003a a246 187a 234d 0c00 17f8 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	17.59	1534	135	5			94.66	146.75	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a246 17aa 24b0 08cc 17f8 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.13	1532	135	4			87.70		158.58	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a246 15ed 27a5 0210 17f0 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:02.970 207 N8451R 2 4647 4647 1X -107 +13 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+6.39 -2.77 113 6.94 1291 114 6.98 91.20 157.56 108 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
277 +6029 +5900 +5899 +5899 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:04:02.970 Active Track Maintenance Msg 1700 0058 0000 b85c 0000 bc6a 0000 b85d 003a a16d fbf7 0000 0332 fe9d 0000 0000
f853 00f8 0000 50b9 06fb 09a7 50c0 06f8 003a 16cd 2764 07bc 00cf 0000 0000 0100
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09a7 0015 003c 003c 003c 0028 0068 0000
0000 0000 0000 0000 0000 0026 0001 0000 0000 0000 00b0 0000 0037 00e1 00cf 0041
0000 0044 0000 01bb 0036 00bd 0000 0000 0000 0000 0000 0000 0000 020c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5032 3841 0000 0000 504f 4300 5656 5600 2020 2020 2020 2020
2020 0000 4e38 3435 3152 0000 0000 0036 3633 0000 0058 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:03.070	590	2	4624	-18	-103				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+33.93	-15.22	114	37.12	1298 114	37.21	114.72	138.53	105	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
190	+3129	+3000	+3008	+3032	+5	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:03.070	Active Track Maintenance Msg	1700 0058 0000 5ec5 0000 61ca 0000 5e04 003a a175 fbf7 002a 10f7 f864 0000 0000 fea8 f89b 0000 5129 2535 0994 5130 2530 0000 1cae 22a2 0784 024e 0000 0000 4842 051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:03.070	321	2	4665		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+41.67	-3.48	94	41.77	1078 95	41.82	125.17	147.86	163	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2829	+2700	+0	+2829	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:03.070	Active Track Maintenance Msg	1700 0058 0000 586a 0000 586a 0000 0000 0000 0000 fbf7 0000 14d6 fe43 0000 0000 0000 0000 0000 4364 29d1 09b5 4364 29d1 0000 1f4b 24f7 0b9b 0141 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:03.290	55	2	7230		-238	-87			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+13.96	-11.45	129	18.03	1473 129	18.05	96.38	147.23	254	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
249	+4029	+3900	+3870	+3762	-23	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:03.290 Active Track Maintenance Msg 1700 0058 0000 7594 0000 7dea 0000 78f1 003a a238 fbf7 ff47 06fb fa46 0000 0000
ef07 f9c5 0000 5c13 120e 0e98 5c00 1210 0840 1818 24cf 1215 0037 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:03.290	561	2	4745		-154	+119			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+16.25	-17.05	136	23.52	1552 136	23.57	97.16	141.23	195	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
307	+5329	+5200	+5201	+5101	-21	+0	11111

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CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 9f6c 0000 a68a 0000 a289 003a a292 fbf7 ff54 0820 f779 0000 0000
f508 087d 0000 6100 1791 09e5 6100 1790 0000 184a 234f 0ddf 0231 0000 0000 a3a4
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:03.290 329 2 4657 -134 +183 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+23.87 -24.38 135 34.07 1543 136 34.12 102.67 132.22 227 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
323 +7029 +6900 +6900 +6900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 d7a0 0000 dbaa 0000 d7a0 003a a287 fbf7 0000 0bef f3cf 0000 0000
f66a 0d08 0000 6076 221f 09af 6070 2220 1d00 19ab 210e 102d 0149 0000 0000 0fa8
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:03.290 278 2 4613 +255 +54 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+18.32 -21.11 139 27.91 1581 139 28.00 98.14 136.80 260 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
78	+6029	+5900	+5901	+5900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:03.290	Active Track Maintenance Msg	1700 0058 0000 b867 0000 bc6a 0000 b86c 003a a2b3 fbf7 0000 0929 f572 0000 0000 1227 03d9 0000 62dd 1c00 098b 62e0 1bf4 0001 1889 2233 128f 0116 0000 0000 8ee6 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:03.290	98	2	3253		+28	-177			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+8.59	-11.28	142	14.14	1625 143	14.21	91.22	148.77	179	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
171	+4529	+4400	+4417	+4259	-35	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 8519 0000 8d8a 0000 8a0d 003a a2e3 fbf7 fee8 044c fa5c 0000 0000
		0200 f368 ffff 6590 0e35 06ab 6580 0e30 1d00 16ce 2531 0cc0 0062 0000 0000 28a7
		061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:03.290	7	2	1275		-7	-8			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+41.63	-14.47	109	44.05	1241 109	44.06	122.34	137.33	11	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
221	+0	+0	+0	+0	+0	00000	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 0000 0000 0000 0000 0000 003a a135 0000 0000 14d1 f8c4 0000 0000
ff75 ff65 0000 4d9c 2c0f 02bd 4da0 2c14 031c 1e96 2255 00d0 0007 0000 0000 0001
0000 2600 0203 1000 0300 0100 0000 0001 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:04:03.060	15	3.25	1682	148	4		86.61		159.14	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a39a 15a7 27c9 01a0 1a48 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
		5.03	1764	155	1		86.61		157.16	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a39a 15a7 274a 0284 1b90 0201 0100 0001 0000 1d00 0000

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TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	4.09	1811	159	3			86.17		158.09	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:03.320	Radar Report Msg	0b01 001c 003a a3f4 158b 2786 020c 1c4c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	4.09	1785	157	3			86.31		158.11	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a3f4 1594 2787 020c 1be4 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	11.16	1819	160	3			86.81		150.84	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a3f4 15b4 25b6 0594 1c6c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	4.84	1790	157	2			86.41		157.31	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a a3f4 159a 2754 026c 1bf8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT			
	22.94	1822	160	5					87.83	139.05	5		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a3f4 15f5 22c3 0b78 1c78 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT			
	14.22	1843	162	3					86.59	147.73	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a3f4 15a6 24ef 071c 1ccc 0203 0300 0003 0003 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
4.09	1858	163	2				85.89	158.08	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:03.340	Radar Report Msg	0b01 001c 003a a412 1579 2785 020c 1d08 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.03	1882	165	1				85.75	156.03	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a412 1570 2702 0304 1d68 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
3.94	1861	164	3				85.88	158.25	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a412 1578 2790 01f8 1d14 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
4.03	1875	165	1				85.80	158.14	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg	0b01 001c 003a a412 1573 2789 0204 1d4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	9.81	1889	166	5			85.64		152.16	5		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a412 1569 260a 04e8 1d84 0205 0500 0003 0102 1d00 0000

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:03.410	328	2	6655		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+19.34	-21.92	138	29.18	1576 139	29.23	98.89	135.72	148	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1229	+1100	+0	+1229	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:03.410	Active Track Maintenance Msg	1700 0058 0000 266a 0000 266a 0000 0000 0000 0000 fbf7 0000 09ac f50a 0000 0000 0000 0000 0000 628a 1d3c 0dad 628a 1d3c 0000 18b9 21ee 0a95 0148 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:03.270	16	4.16	2004	176	2		85.05	158.08	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:03.520	Radar Report Msg	0b01 001c 003a a4d0 1543 2785 0214 1f50 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	18.22	2059	181	7			80.88	144.36	7		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a4d0 1438 2417 091c 202c 0207 0700 0003 0302 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:03.630	530	2	4643		-277	+182			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+21.21	-42.95	153	47.88	1749 154	47.92	95.38	115.03	331	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
303	+20000	+20000	+20000	+20000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:03.630	Active Track Maintenance Msg	1700 0058 0002 7100 0002 7100 0002 7100 003a a36f 0000 0000 0a9b ea86 0000 0000 ec4d 0cfd 0000 6d55 2feb 09a3 6d50 2fe8 0000 17d8 1cc2 1799 0212 0000 0000 3036 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:03.630	406	2	4622		-153	+3			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+11.05	-21.96	153	24.54	1743 153	24.59	90.91	137.80	153	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
271	+4029	+3900	+3892	+3902	+2	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 79f0 0000 7dea 0000 79a3 003a a36a fbf7 0011 0587 f505 0000 0000
		f51a 0037 0000 6cfb 1898 0992 6d00 1898 0000 16ba 2273 0ae6 0196 0000 0000 0200
		051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:03.630	176	2	4772		+160	+45			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
+4.41	-10.24	156	11.09	1784 157	11.15	87.44	150.83	166	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
74	+4429	+4300	+4292	+4219	-15	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 83db 0000 8a6a 0000 8627 003a a395 fbf7 ff82 0235 fae1 0000 0000
0b69 0339 0000 6f82 0b26 09fa 6f70 0b28 0b01 15dc 25b5 0bdc 00b0 0000 0000 028c
081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	31.63	2154	189	5			72.92		132.98		5		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:03.640	Radar Report Msg	0b01 001c 003a a53e 123b 213f 0fd0 21a8 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:03.730	160	2	4645		+256	+266			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
+3.88	-12.95	163	13.50	1858 163	13.52	86.25	148.53	369	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
43	+14429	+14300	+14319	+14667	+75	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:03.730	Active Track Maintenance Msg	1700 0058 0001 ca59 0001 c2ea 0001 bf79 003a a3ea fbf7 0259 01f1 f987 0000 0000 1239 12f7 0000 7426 0d85 09a5 7420 0d84 042e 1590 2522 1a4d 00a0 0000 0000 0000 071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:03.730	310	2	1051		+442	+98			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+7.67	-31.64	166	32.53	1893 166	32.54	85.17	129.48	452	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
77	+22300	+22300	+22296	+22467	+37	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0002 be1e 0002 b8e0 0002 b8c5 003a a411 0000 0129 03d6 f02e 0000 0000
1f6f 0703 0000 765b 208a 0229 7650 2090 0000 154b 205f 2035 0136 0000 0000 7bea
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:03.730	155	2	3275		+78	+156			RADAR-ONLY: NO

FIRMNESS: 20

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+27.77	-22.14	128	35.49	1462	129	35.52	107.00	133.39	175

INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
26	+5029	+4900	+4900	+4900	+0	+0	00111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 9920 0000 9d2a 0000 9920 003a a22d fbf7 0000 0de2 f4ee 0000 0000
059d 0b22 0000 5b6e 2384 06bd 5b70 2384 1d00 1ac0 2159 0c78 009b 0000 0000 f9f8
0507 1400 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:03.850 219 2 1060 -401 -133 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-0.63 -17.93 182 17.88 2071 182 17.96 80.88 145.53 423 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
251 +35000 +35000 +35023 +35023 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:04:03.850 Active Track Maintenance Msg 1700 0058 0004 467e 0004 45c0 0004 467e 003a a4d9 0000 0000 ffaf f709 0000 0000
e36a f679 0000 817d 11f5 0230 7fff 11f0 0000 1438 2462 1e22 00db 0000 0000 0000
041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:03.850 449 2 7242 -314 +143 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-1.38 -33.30 182 33.28 2074 182 33.32 76.13 130.39 346 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
294	+33000	+33000	+32980	+33059	+17	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 091d 0004 0740 0004 06a1 003a a4de 0000 008b ff4f ef5a 0000 0000 e99d 0a3a 0000 81a3 2153 0ea2 7fff 2154 a003 1308 2099 189c 01c1 0000 0000 a4b0 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:03.850 580 2 4614 -48 +61 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-0.36 -18.09 181 18.06 2061 181 18.10 80.84 144.45 78 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
321 +4829 +4700 +4678 +4723 +9 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 939c 0000 96ea 0000 9235 003a a4ce fbf7 004f ffd2 f6f5 0000 0000
fc87 0467 0000 80d5 121a 098c 7fff 1218 a008 1436 241d 059b 0244 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:03.850 511 2 +0 +0 RADAR-ONLY: NO
FIRMNESS: 63
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 0
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: NO
+19.33 -2.05 96 19.41 1093 96 19.43 103.94 154.92 113 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
0 CST CST +0 +1529 +0 +0 00000

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

01:04:03.850 Active Track Maintenance Msg 1700 0058 0000 2fca 0000 2fca 0000 0000 0000 0000 fbf7 0000 09aa fef9 0000 0000
0000 0000 0000 4450 136f 0a82 4450 136f 0000 19fc 26bb 0811 01ff 0001 0000 0000
0000 3f00 0203 1000 0303 0000 0000 0001 0100 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
01:04:03.520	18	4.44	2218	195	1					83.72		158.25	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:03.850	Radar Report Msg	0b01 001c 003a a5b6 14ee 2790 0238 22a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
		4.44	2243	197	1					83.59		158.33	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a5b6 14e6 2795 0238 230c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	16.97	2347	206	3			74.70	149.08	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:03.850	Radar Report Msg	0b01 001c 003a a610 12ad 2545 087c 24ac 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:03.950	361	2	1022		-207	-89			RADAR-ONLY: NO

FIRMNESS: 35

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
-3.75	-17.44	192	17.84	2185	192	17.80	77.73	145.92	225

INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
246	+3729	+3600	+3586	+3741	+34	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:03.950	Active Track Maintenance Msg	1700 0058 0000 74eb 0000 748a 0000 7015 003a a55b fbf7 0116 fe20 f748 0000 0000
		f144 f9aa 0004 8895 11ce 0212 7fff 11d8 1715 136f 247b 100a 0169 0000 0000 0100
		051f 2300 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:03.950	49	2	6311		+357	-84			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10

X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-9.41 -44.48 192 45.41 2183 192 45.48 65.41 121.23 367 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
103 +10529 +10400 +10375 +10243 -28 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 401d 0001 490a 0001 4438 003a a559 fbf7 ff1e fb4b e9c3 0000 0000 196d fa03 0000 8875 2d7b 0cc9 7fff 2d78 003a 105a 1e4f 1a1f 0031 0000 0000 18e6 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
01:04:03.720	19	8.69	2406	211	5			79.61	155.92	5	RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:03.960	Radar Report Msg	0b01 001c 003a a688 13e7 26fb 0458 2598 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
29.25	2515	221	7			61.64	145.39	7		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a692 0f69 2459 0ea0 274c 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
5.56	2506	220	1			81.41	158.78	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a692 145a 27b2 02c8 2728 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:04.180	379	2	6312	+273	-6		RADAR-ONLY: NO		

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
-5.52	-12.48	203	13.60	2318 204	13.66	77.31	151.20	273	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
91	+8529	+8400	+8357	+8221	-29	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:04.180	Active Track Maintenance Msg	1700 0058 0001 00e9 0001 0a8a 0001 052f 003a a5f0 fbf7 ff18 fd3e f9c2 0000 0000

136f ff8d 0002 90e8 0da8 0cca 7fff 0da8 003a 1354 25cd 1371 017b 0000 0000 2230
081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:04.180 312 2 -136 -48 RADAR-ONLY: NO
FIRMNESS: 30
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 3
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: NO
+5.69 -14.67 158 15.69 1806 159 15.73 87.56 146.22 144 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
250 CST CST +943 +835 -23 +0 11100

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 1a18 0000 298a 0000 1d7f 003a 6d5f fbf7 ff44 02d8 f8aa 0000 0000
f64a fc93 0000 70ef 0fbc 0690 6f80 0fc4 0934 15e4 248e 0a4c 0138 0000 0000 0000
031c 1e00 0203 1001 0303 0000 0000 0001 0100 0000 0100 0101

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:03.940	21	5.56	2531	222	1		81.30	158.95	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a75a 1453 27bd 02c8 278c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	45.09	2571	226	4			46.50	139.75	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a75a 0ba0 22f0 168c 282c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.97	2582	227	4			80.72	159.11	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a75a 142e 27c7 02fc 2858 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	20.72	2628	231	3			66.95	153.33	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:04.200 Radar Report Msg 0b01 001c 003a a764 10bd 2655 0a5c 2910 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.66	2554	224	1						80.22		158.53	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a764 140e 27a2 0354 27e8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.78	2636	232	4						79.73		159.19	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a764 13ef 27cc 0364 2930 0204 0400 0001 0303 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
8.69	2660	234	3				77.83	158.70	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a764 1375 27ad 0458 2990 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.81	2682	236	1				79.53	159.61	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a764 13e2 27e7 0368 29e8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.22	2666	234	1				79.20	159.31	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a764 13cd 27d4 039c 29a8 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:04.290	319	2	4725		+115	+29			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PREDICTED DEG	RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES

-0.26 -0.44 209 0.50 2387 210 0.51 85.41 161.47 119 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
75	+729	+600	+612	+558	-11	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:04.290	Active Track Maintenance Msg	1700 0058 0000 1175 0000 16ca 0000 1320 003a a644 fbf7 ffa4 ffdf ffc8 0000 0000
		0837 0212 0000 9535 0083 09d5 7fff 0084 003a 155a 285e 0879 013f 0000 0000 1cbe
		0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:04.290	451	2	3220		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+5.86	-14.60	158	15.68	1799 158	15.73	87.59	146.22	142	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1229	+1100	+0	+1229	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:04.290	Active Track Maintenance Msg	1700 0058 0000 266a 0000 266a 0000 0000 0000 0000 fbf7 0000 02ee f8b3 0000 0000
		0000 0000 0000 7073 0fbb 0690 7073 0fbb 0000 15e6 248e 0a1a 01c3 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:04:04.390	Delete Track Msg	1704 0008 0138 0210

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
01:04:04.170	22	22.03	2714	239	3				64.73	155.48	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:04.400	Radar Report Msg	0b01 001c 003a a84a 102f 26df 0b04 2a68 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	15.75	2746	241	1					70.56	158.05	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a84a 11a4 2783 07e0 2ae8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	8.72	2748	242	3			77.45	159.80	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a84a 135d 27f3 045c 2af0 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	29.72	2779	244	3			56.66	156.14	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a84a 0e2a 2709 0edc 2b6c 0203 0300 0003 0003 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	28.19	2803	246	3			57.98	157.45	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:04.400	Radar Report Msg	0b01 001c 003a a854 0e7f 275d 0e18 2bcc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.91	2787	245	1			75.16	159.89	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a854 12ca 27f9 0574 2b8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	12.00	2824	248	2			73.97	160.36	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a854 127e 2817 0600 2c20 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	2.00	2795	246	3			84.61	161.64	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a a854 1527 2869 0100 2bac 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:04.510	173	2	6307		+511	-224			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-10.93	-12.66	220	16.66	2512 221	16.76	72.70	152.84	558	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
113	+33000	+33000	+33000	+33000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:04.510	Active Track Maintenance Msg	1700 0058 0004 0740 0004 0740 0004 0740 003a a6ca 0000 0000 fa89 f9ab 0000 0000
		245f f011 0000 9d05 10c2 0cc7 7fff 10bc 003a 122d 2636 27b5 00ad 0000 0000 1e4e
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:04.610	8	2		1273		-3	+0		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-37.78	-33.20	228	50.26	2601 229	50.31	40.83	139.30	3	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
260	-899	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:04.610	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e3e1 ffff e3e1 003a a72f 0000 0000 ed1c ef67 0000 0000
		ffc2 fff6 0000 a29e 3250 02bb 7fff 324c 003a 0a35 22d3 003f 0008 0000 0000 0300
		0a1f 2603 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:04.610	586	2		4673		+324	+3		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-16.73	-12.09	234	20.59	2664 234	20.64	66.59	154.41	324	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
89	+10029	+9900	+9854	+9783	-15	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0001 31b9 0001 396a 0001 33f4 003a a775 fbf7 ff85 f7a3 f9f5 0000 0000
170d 003f 0000 a687 14a4 09bb 7fff 14a4 0000 10a6 269a 170d 024a 0000 0000 391c
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:04.610	304	2	7342		-320	+163			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-29.56	-19.81	236	35.59	2686 236	35.60	52.59	150.31	359	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
297	+35000	+35000	+35001	+35001	+0	+0	11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 45ce 0004 45c0 0004 45cb 003a a78e 0000 0001 f138 f618 0000 0000 e93b 0b9e 0000 a7e8 239a 0ee2 7fff 2398 a005 0d26 2594 1990 0130 0000 0000 3414 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
01:04:04.390	24	12.00	2843	250	1		73.94	160.70	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:04.630	Radar Report Msg	0b01 001c 003a a8e0 127c 282d 0600 2c6c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
	14.34	2932	258	1			71.53	162.42	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a8e0 11e2 289b 072c 2dd0 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
	15.50	2998	263	4			70.52	164.02	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:04.640	Radar Report Msg	0b01 001c 003a a926 11a1 2901 07c0 2ed8 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:04.730 591 N31F 2 0260 0260 1Y +46 +78 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-7.61 -2.67 250 8.00 2851 251 8.05 77.73 161.19 91 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: YES
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
30 +1929 +1800 +1772 +1756 -3 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:04.730	Active Track Maintenance Msg	1700 0058 0000 36e7 0000 3c4a 0000 3764 003a a848 fbf7 ffe6 fc32 feaa 0000 0000
		034d 0592 0000 b236 080e 00b0 7fff 0810 a016 136f 284c 067a 024f 0000 0000 0000
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 00b0 008a 0104 ffff ffff 003d 000e 0000
0000 0000 0000 0000 0000 008a 008a 0000 0000 0000 0000 0000 00c9 0215 024f 015c
0000 00b1 0000 013a 00d7 00d5 0000 0000 0000 0000 0000 0000 0000 0448 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0004 2020 2fff 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0702
0001 0000 0000 0043 0000 0000 0000 0000 0000 0000 564e 5900 2020 2020 2020 2020
2020 0000 4e33 3146 0000 0000 0000 0000 0000 0000 0059 0000 0000 0020 564e 5900
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:04.830 545 2 4706 -149 -55 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-23.38 -6.00 255 24.13 2907 256 24.14 61.64 161.95 159 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
249 +4029 +3900 +3900 +3900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

01:04:04.830 Active Track Maintenance Msg 1700 0058 0000 79e0 0000 7dea 0000 79e0 003a a887 fbf7 0000 f44f fd00 0000 0000

f558 fc05 0000 b5b8 1824 09c6 7fff 1824 a015 0f69 287d 0b60 0221 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: OVR
01:04:04.830	274	N8063T	2	4763	4763	1V	+121	+37	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
-17.17	-3.27	259	17.43	2948 259	17.48	68.36	163.02	127	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
73	+6729	+6600	+6625	+6674	+10	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 d094 0000 d24a 0000 cf09 003a a8b5 fbf7 0056 f76a fe5d 0000 0000
		08a8 02a4 0000 b84c 117c 09f3 7fff 117c 5858 1117 28c1 090d 0112 0000 0000 008c
		071f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09f3 0005 0032 ffff 0032 002c 022a 0000
		0000 0000 0000 01b8 0000 0003 0015 0000 0000 0000 00ae 0000 0070 0245 0112 00cb
		0000 002d 0000 0194 0133 0144 0000 0000 0000 0000 0000 0000 0000 042f ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
		0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 00ff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
		0001 0000 0000 0036 5041 3332 0000 0000 4f58 5200 4844 4600 2020 2020 2020 2020
		2020 0000 4e38 3036 3354 0000 0000 0030 3030 0000 0056 0000 0000 0020 0000 0000
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:04.830	275	2		0257	+0	+0			RADAR-ONLY: NO
									FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+35.39	+1.10	88	35.39	1003 88	35.41	120.27	153.89	97	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1829	+1700	+0	+1829	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:04.830	Active Track Maintenance Msg	1700 0058 0000 392a 0000 392a 0000 0000 0000 0000 fbf7 0000 11b2 008d 0000 0000

0000 0000 0000 3ebb 2368 00af 3ebb 2368 0000 1e11 2679 06e7 0113 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:04.510	25	6.91	3096	272	7		79.34	163.77	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:04.840	Radar Report Msg	0b01 001c 003a a994 13d6 28f1 0374 3060 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		13.75	3121	274	4		72.86	166.27	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a99e 1237 2991 06e0 30c4 0204 0400 0001 0303 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	13.28	3139	276	1			73.42	166.47	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a a99e 125b 299e 06a4 310c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:04.740	27	10.13	3241	285	4			77.08	166.75	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:04.950	Radar Report Msg	0b01 001c 003a aa70 1345 29b0 0510 32a4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	13.91	3283	289	4			74.22	169.39	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:04.950	Radar Report Msg	0b01 001c 003a aa84 128e 2a59 06f4 334c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.06	3251	286	4			77.20	166.86	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a aa84 134d 29b7 0508 32cc 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
12.53	3281	288	5				75.36		168.61	5		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a aa84 12d7 2a27 0644 3344 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
4.91	3307	291	7				81.98		164.52	7		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a aa84 147f 2921 0274 33ac 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
14.09	3291	289	1			74.16	169.64	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a aa84 128a 2a69 070c 336c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:05.050	297	2	1056	-11	+94				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-41.15	-2.09	267	41.18	3038 267	41.23	45.45	170.25	95	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC WINDOW
353	+6029	+5900	+5906	+5972	+14	+0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:05.050	Active Track Maintenance Msg	1700 0058 0000 baa6 0000 bc6a 0000 b895 003a a91a fbf7 0073 eb6d fef5 0000 0000
		ff34 06bb 0000 bdea 293a 022e 7fff 2934 0001 0b5d 2a90 06c7 0129 0000 0000 a91c
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:05.050	87	CPF420	2	4664	4664	1X	+82	-66	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
-4.66	-0.43	265	4.64	3013 265	4.71	81.20	162.59	105	INHIBIT MSAW PROCESS: NO
									INHIBIT MSAW DISPLAY: NO

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
128	+4929	+4800	+4815	+4803	-2	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 961f 0000 9a0a 0000 967e 003a a8fb fbf7 ffed fdab ffc9 0000 0000
		05db fb49 0000 bc53 04b6 09b4 7fff 04b0 0407 144d 28a6 0785 0057 0000 0000 0000
		041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

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CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09b4 0015 0032 0032 0032 003c 017c 0000
0000 0000 0000 0000 0000 0001 0026 0000 0000 0000 00ed 0000 01b0 009b 0057 0201
0000 016b 0000 0010 0184 0185 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2eff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 4332 3036 0000 0000 5748 5000 544f 4100 2020 2020 2020 2020
2020 0000 4350 4634 3230 0000 0000 0035 3634 0000 0058 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:05.050 475 N6887L 2 4714 4714 1W +181 +25 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-18.77 -1.35 266 18.79 3025 266 18.81 67.30 165.28 183 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
82 +5029 +4900 +4894 +4901 +1 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 992b 0000 9d2a 0000 98f5 003a a90b fbf7 000c f69e ff53 0000 0000

0ce6 01d2 0000 bd19 12d0 09cc 7fff 12d0 0106 10d3 2952 0d07 01db 0000 0000 0000
051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0004 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 2000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09cc 0003 0000 ffff 0032 0038 0253 0000
0000 0000 0000 00e0 0000 0003 0005 0000 0000 0000 00f2 0000 0014 0138 01db 00c3
0000 01aa 0000 0062 0054 01c9 0000 0000 0000 0000 0000 0000 0000 025c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 1dff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0502
0001 0000 0000 0036 4334 3231 0000 0000 4f58 5200 4343 4200 2020 2020 2020 2020
2020 0000 4e36 3838 374c 0000 0000 0037 3937 0000 0057 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:05.050 362 2 0006 +267 -351 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-26.78 +1.55 273 26.79 3109 273 26.78 60.38 170.09 441 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
142 +15829 +15700 +15690 +15651 -8 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 e91a 0001 eeaa 0001 ea53 003a a96a fbf7 ffbd f29c 00c7 0000 0000
130b e708 0000 c252 1ac7 0006 7fff 1ad4 0124 0f18 2a86 1f67 016a 0000 0000 0416
051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:05.050 9 2 1275 +2 -8 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-12.52 -11.01 228 16.65 2600 229 16.67 70.88 154.38 8 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
165 -470 -599 -599 -599 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 ffff ed41 ffff f14b ffff ed41 003a a72f fbf7 0000 f9bd fa7f 0000 0000
0027 ff6c 0000 a283 10ac 02bd 7fff 10ac a011 11b8 2698 0099 0009 0000 0000 000c
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:05.050	84	N774CS	2	3376	3376	1W	+152	-147	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-21.75	+5.20	283	22.36	3224 283	22.36	66.11	172.36	212	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: YES

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
134	+9929	+9800	+9819	+9785	-7	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:05.050	Active Track Maintenance Msg	1700 0058 0001 31cb 0001 364a 0001 32dc 003a a9ec fbf7 ffc5 f520 0299 0000 0000
		0ae0 f57a 0000 c98f 165b 06fe 7fff 165c a014 1087 2b17 0f22 0054 0000 0000 0000
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 06fe 0003 012c ffff f830 0037 01ab 0000
		0000 0000 0000 0142 0000 0007 002e 0000 0000 0000 00a9 0000 0215 0249 0054 0250
		0000 0000 0000 0213 0091 014a 0000 0000 0000 0000 0000 0000 0000 03cb ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000
		0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2056 2eff 0000 0000 0000 0000 0000 0101 0003 0000 0001 0001 0502
		0001 0000 0000 0043 4332 3130 0000 0000 5341 3900 544f 4100 2020 2020 2020 2020
		2020 0000 4e37 3734 4353 0000 0000 0036 3032 0000 0057 0000 0000 0020 0000 004f
		4646 5620 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:05.170	424	2	7234		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
-1.23	-16.37	184	16.36	2097 184	16.41	80.41	146.33	168	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1829	+1700	+0	+1829	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:05.170	Active Track Maintenance Msg	1700 0058 0000 392a 0000 392a 0000 0000 0000 0000 fbf7 0000 ff62 f7d1 0000 0000 0000 0000 0000 8311 1069 0e9c 8311 1069 0000 141a 2495 0bf9 01a8 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:05.270	194	DDA77	2	4043	4043	0	+361	-334	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: YES
-43.20	+17.51	292	46.60	3322 292	46.56	48.50	189.66	492	INHIBIT MSAW PROCESS: NO INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
132	+18500	+18500	+18550	+18203	-75	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:05.270	Active Track Maintenance Msg	1700 0058 0002 38de 0002 4220 0002 43b0 003a aa5a 0000 fda6 ea67 08c1 0000 0000
		19af e837 0000 cfac 2e8f 0823 7fff 2e9c 5858 0c20 2f6a 2301 00c2 0000 0000 09d0
		031f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0823 0000 0136 ffff 0172 003f 0204 0000
		0000 0000 0000 0001 0007 0007 0007 0000 0000 0000 00ab 0000 0090 00b2 00c2 0000
		0000 0000 0000 00c8 0155 0189 0000 0000 0000 0000 0000 0000 0000 023d ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000 0100 0000
		0100 0000 0001 0000 0001 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0005 2000 2fff 0000 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0102
		0001 0000 0000 0043 4c4a 3335 0000 0000 4649 4d00 564e 5900 2020 2020 2020 2020
		2020 0000 4444 4137 3700 0000 0000 0033 3535 0000 0000 0000 0000 0020 0000 0000
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:04.970	28	7.25	3420	301	2		80.80	166.84	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:05.280	Radar Report Msg	0b01 001c 003a ab60 1433 29b6 03a0 3570 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
		7.13	3427	301	4		80.94	166.81	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a ab60 143c 29b4 0390 358c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT					
	43.53	3441	302	5			56.17		193.69	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a ab60 0e0b 306c 15c4 35c4 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT					
	14.09	3466	305	3			76.64		172.44	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a ab60 1329 2b1c 070c 3628 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	45.16	3469	305	5					56.52	196.17	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:05.290	Radar Report Msg	0b01 001c 003a ab6a 0e21 310b 1694 3634 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	19.47	3482	306	3					73.48	176.84	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a ab6a 125f 2c36 09bc 3668 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	8.94	3518	309	2					80.58	168.92	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a ab6a 1425 2a3b 0478 36f8 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:

01:04:05.390 384 2 1200 +94 +68 RADAR-ONLY: NO
FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-34.34	-1.20	268	34.33	3048 268	34.37	52.27	169.36	116	INHIBIT MSAW PROCESS: INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
54	+5629	+5500	+5500	+5500	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:05.390	Active Track Maintenance Msg	1700 0058 0000 abe0 0000 afea 0000 abe0 003a a926 fbf7 0000 eed5 ff66 0000 0000 06b3 04db 0000 be89 225e 0280 7fff 225c 003a 0d11 2a57 0847 0180 0000 0000 3210 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
01:04:05.070	29	5.00	3685	324	2			84.03	166.23	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:05.400	Radar Report Msg	0b01 001c 003a abce 1502 298f 0280 3994 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	5.38	3675	323	4					83.81	166.58	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:05.400	Radar Report Msg	0b01 001c 003a ac28 14f4 29a5 02b0 396c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	4.56	3754	330	4					84.64	165.94	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a ac28 1529 297c 0248 3aa8 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:05.490	59	2	4603	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+52.20	+9.98	79	53.13	900 79	53.14	138.67	158.20	323	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+20900	+20900	+0	+20900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:05.490	Active Track Maintenance Msg	1700 0058 0002 8d20 0002 8d20 0000 0000 0000 0000 0000 0000 1a19 04fd 0000 0000 0000 0000 0000 384e 3523 0983 384e 3523 0000 22ab 278d 1707 003b 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:05.390	31	4.34	3798	334	2			84.95			165.78	2		RT		2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:05.610	Radar Report Msg	0b01 001c 003a ad04 153d 2972 022c 3b58 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:05.710	51	2	1331		-196	+279			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-25.38	+18.81	306	31.59	3487 307	31.59	66.25	186.16	341	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
324	+31000	+31000	+31000	+31000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:05.710	Active Track Maintenance Msg	1700 0058 0003 c8c0 0003 c8c0 0003 c8c0 003a ab14 0000 0000 f350 0968 0000 0000 f208 13e1 0000 d9fb 1f97 02d9 7fff 1f98 0000 1090 2e8a 184c 0033 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:05.710	400	2	4675		-192	-59			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-42.19	+32.82	307	53.45	3504 308	53.48	53.31	204.23	201	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
252	+14029	+13900	+13900	+13900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0001 b260 0001 b66a 0001 b260 003a ab24 fbf7 0000 eae8 1069 0000 0000
f255 fbbf 0000 db0a 357a 09bd 7fff 3574 a010 0d54 330f 0e51 0190 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:05.710	392	2	7304		-251	+267			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
-26.91	+22.99	310	35.33	3532 311	35.38	65.69	190.73	367	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
316	+23200	+23200	+23194	+23285	+19	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0002 d7aa 0002 d500 0002 d4d7 003a ab46 0000 009f f28c 0b7f 0000 0000
ee17 1300 0001 dccd 2360 0ec4 7fff 2364 405d 106c 2faf 1a1c 0188 0000 0000 001c
061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:05.710 56 2 4752 -131 +181 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-28.20 +22.70 308 36.18 3514 309 36.21 64.28 190.91 223 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
324 +12029 +11900 +11900 +11900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 73e0 0001 77ea 0001 73e0 003a ab31 fbf7 0000 f1e7 0b5a 0000 0000
f6ae 0ce7 0000 dba9 2437 09ea 7fff 2434 0001 1012 2fba 0fea 0038 0000 0000 4364
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:05.710 322 N900RL 2 3601 3601 1F +55 -228 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 8
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-10.13 +11.00 317 14.95 3610 317 14.94 78.78 175.02 235 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
166	+6829	+6700	+6693	+6591	-21	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 cdff 0000 d56a 0000 d12c 003a ab9e fbf7 ff51 faf0 0580 0000 0000 03eb efba 0000 e1aa 0ef0 0781 7fff 0ef4 1d00 13b2 2bc1 10bd 0142 0000 0000 2656 081f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0781 0001 0122 ffff 01c2 0037 01b6 0000
		0000 0000 0000 00ba 0000 0001 008a 0000 0000 0000 008f 0000 012b 00a5 0142 009b
		0000 01c6 0000 01cb 000c 020d 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
		0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 35ff 0100 0000 0000 0000 0000 0100 0003 0000 0001 0001 0702
		0001 0000 0000 0031 474c 4634 0000 0000 504d 4400 5656 5600 2020 2020 2020 2020
		2020 0000 4e39 3030 524c 0000 0000 0035 3736 0000 0046 0000 0000 0020 5656 5600
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:04:05.710	74	N40905	2	6701	6701	0	-53	+62	RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7
-9.30	+15.91	329	18.37	3751 330	18.44	80.81	179.53	82	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS: NO
									INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
319	+10029	+9900	+9903	+9908	+1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:05.710	Active Track Maintenance Msg	1700 0058 0001 35a3 0001 396a 0001 357a 003a ac3b fbf7 0009 fb59 07f5 0000 0000

fc2a 046b 0000 ea79 1271 0dc1 7fff 1270 f5a3 1434 2ce2 05da 004a 0000 0000 1354
071f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0dc1 0000 0064 0064 0064 058a 0094 0000
0000 0000 0000 0000 0000 0058 0005 0000 0000 0000 029c 0000 01cc 012f 004a 01c6
0000 0213 0000 0001 0134 005a 0000 0000 0000 0000 0000 0000 0000 00dc ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 9900 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
0001 0000 0000 0043 5032 3852 0000 0000 4d59 4600 4c48 5300 2020 2020 2020 2020
2020 0000 4e34 3039 3035 0000 0000 0035 3837 0000 0000 0000 0000 0020 0000 0056
3539 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

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END TIME START TIME TARGET REPORTS: LIVE SIMULATED VALID MODE-C: 0
01:04:05.520 01:04:00.960 RADAR-ONLY 98 0 0.0%
SENSOR = 2 BEACON-ONLY 0 0
RADAR & BEACON 0 0 VALID MODE-3/A: 0
TOTAL 98 0 0.0%

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:04:05.840 Sensor Sector Mark Msg 1715 000c 003a ad90 0000 0200

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:05.840 532 2 0772 +0 +0 RADAR-ONLY: NO
FIRMNESS: 63
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 0
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+60.15 -0.63 90 60.13 1030 91 60.15 143.70 145.92 246 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
0 +16029 +15900 +0 +16029 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:04:05.840 Active Track Maintenance Msg 1700 0058 0001 f4ea 0001 f4ea 0000 0000 0000 0000 fbf7 0000 1e13 ffb0 0000 0000
0000 0000 0000 406c 3c26 01fa 406c 3c26 0000 23ed 247b 1180 0214 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS
STIME SN RANGE ACP DEG QUA BEACON ALT COR SYSTEM SYSTEM PROC STR SC TYP SYS
NM ALT X NM Y NM STAT
01:04:05.520 0 29.59 3939 346 3 86.22 191.36 3 RT 2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:05.840	Radar Report Msg	0b01 001c 003a ad90 158e 2fd7 0ecc 3d8c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	Y	PROC NM	STR STAT	SC	TYP	SYS
	5.06	4011	353	3			86.36		166.59	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a ad90 1597 29a6 0288 3eac 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	Y	PROC NM	STR STAT	SC	TYP	SYS
	8.63	3976	349	2			86.38		170.28	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a ad90 1598 2a92 0450 3e20 0202 0200 0001 0103 1d00 0000

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:05.930	358	2	7303		+74	+317			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
-1.88	+15.05	352	15.11	4011 353	15.17	87.73	176.64	326	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
13	+16829	+16700	+16661	+16824	+35	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:05.930	Active Track Maintenance Msg	1700 0058 0002 0dc7 0002 0dea 0002 08ad 003a ad64 fbf7 011e ff0f 0787 0000 0000
		0554 1692 0001 fab9 0f2b 0ec3 7fff 0f2c 0a1f 15ef 2c29 1730 0166 0000 0000 0000
		091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:05.620	1	8.94	4034	355	5		87.17	170.50	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:05.930	Radar Report Msg	0b01 001c 003a adea 15cb 2aa0 0478 3f08 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	11.09	4051	356	1			87.81	172.61	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a adea 15f4 2b27 058c 3f4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	8.84	23	2	2					88.27	170.16	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:05.950	Radar Report Msg	0b01 001c 003a ae4e 1611 2a8a 046c 005c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	5.81	29	3	4					87.42	167.16	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a ae4e 15db 29ca 02e8 0074 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:06.150	491	2	2734		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+32.62	-20.31	122	38.38	1387 122	38.42	112.13	133.89	135	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1529	+1400	+0	+1529	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:06.150	Active Track Maintenance Msg	1700 0058 0000 2fca 0000 2fca 0000 0000 0000 0000 fbf7 0000 104f f5d8 0000 0000 0000 0000 0000 56b1 266c 05dc 56b1 266c 0000 1c08 2179 099b 01eb 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:05.940	2	6.56	198	17	5		89.14	167.22	5		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:06.160	Radar Report Msg	0b01 001c 003a af34 1649 29ce 0348 0318 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	10.34	203	18	3			91.25	170.44	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a af34 16d0 2a9c 052c 032c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.69	259	23	1			92.19	170.22	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a af34 170c 2a8e 0558 040c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:05.970	3	17.81	284	25	7		97.08	175.48	7			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:06.270	Radar Report Msg	0b01 001c 003a af52 1845 2bdf 08e8 0470 0207 0700 0003 0302 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	27.00	346	30	3			104.84	180.86	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a af52 1a36 2d37 0d80 0568 0203 0300 0003 0003 1d00 0000
01:04:06.370	Delete Track Msg	1704 0008 0178 0910

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:06.270	5	7.22	490	43	1		91.70	165.58	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:06.490	Radar Report Msg	0b01 001c 003a b01a 16ed 2965 039c 07a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.38	516	45	1			92.00	165.42	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b01a 1700 295b 03b0 0810 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:06.370	6	4.03	731	64	7		89.39	162.55	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b150 1659 28a3 0204 0b6c 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	3.69	699	61	4			88.98	162.63	4				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b150 163f 28a8 01d8 0aec 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	1.00	771	68	0			86.42	161.92	0				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b150 159b 287b 0080 0c0c 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	3.91	775	68	2		89.28	162.28	2		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b150 1652 2892 01f4 0c1c 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:06.930	460	EJA631	2	4757	0		-271	-157	RADAR-ONLY: NO

FIRMNESS: 25

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3
+6.45	+27.54	13	28.24	149 13	28.29	98.95	186.78	313	VALID ALTITUDE: NO

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
240	CST	CST	+13389	+13245	-31	+0	11010

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:06.930	Active Track Maintenance Msg	1700 0058 0001 9dee 0001 a9ea 0001 a26d 003a 89fd fbf7 ff07 033a 0dc5 0000 0000
		ecb3 f4d3 0000 095e 1c4b 09ef 0a30 1cd8 11d6 18bd 2eb2 164d 01cc 0000 0000 0000
		031a 1900 0201 1001 0303 0000 0000 0001 0100 0000 0000 0101
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09ef 0000 0172 ffff ffff 003c 026d 0000
		0000 0000 0000 0001 0001 0001 0001 0000 0000 0000 009a 0000 003e 01bd 01cc 01a5
		0000 01e5 0000 01c8 005b 0124 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2fff 0100 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0702
0101 0000 0000 0031 4335 3658 0000 0000 504d 4400 564e 5900 2020 2020 2020 2020
2020 0000 454a 4136 3331 0000 0000 0039 3135 0000 0000 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:06.690	8	4.16	874	77	3				89.59		161.73 3				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:06.940	Radar Report Msg	0b01 001c 003a b222 1666 286f 0214 0da8 0203 0300 0003 0003 1d00 0000
01:04:07.030	Delete Flight Data Msg	1809 0008 02ae 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:07.030	6	2	1274			-4	-3		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+37.56	+17.84	64	41.57	735 65	41.58	126.61	169.58	5	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
229	-770	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:07.030	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e7eb ffff e3e1 003a b0ca fbf7 0000 12c8 08eb 0000 0000 ffad ffba 0000 2df3 2995 02bc 2df0 2994 5858 1fa7 2a65 006d 0006 0000 0000 0584 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:06.820	9	1.16	963	85	3		86.53	161.70	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:07.040	Radar Report Msg	0b01 001c 003a b236 15a2 286d 0094 0f0c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	5.28	973	86	4			90.70	160.94	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b236 16ad 283c 02a4 0f34 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	2.94	1123	99	0		88.02		160.86		0		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:07.050	Radar Report Msg	0b01 001c 003a b2a4 1601 2837 0178 118c 0200 0000 0000 0000 1d00 0000
01:04:07.150	Delete Track Msg	1704 0008 00bb 0010
01:04:07.150	Delete Track Msg	1704 0008 01ca 0110

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	37.63	1123	99	4		120.25		146.92		4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:07.150	Radar Report Msg	0b01 001c 003a b31c 1e10 24bb 12d0 118c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	29.69	1115	98	7					113.11	150.41	7		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b31c 1c47 259a 0ed8 116c 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	40.66	1155	102	4					122.20	143.91	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b31c 1e8d 23fa 1454 120c 0204 0400 0005 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:07.250	523	2	0646	-230	-80				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PREDICTED DEG	SYSTEM RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+41.03	-1.01	91	41.01	1041	91	41.04	125.16	150.48	244	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
250	+12829	+12700	+12711	+12649	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:07.250	Active Track Maintenance Msg	1700 0058 0001 8b4b 0001 90ea 0001 8d3b 003a b222 fbf7 ff95 1484 ff7f 0000 0000 ef9f fa46 0000 4110 2909 01a6 4100 290c 0000 1f4a 259f 115a 020b 0000 0000 00e0 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:07.250	101	2	3507		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0
+24.76	-27.66	138	37.09	1572 138	37.12	102.66	128.80	221	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:07.250	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0c61 f22b 0000 0000
		0000 0000 0000 6241 251f 0747 6241 251f 0000 19aa 2033 0fbe 0065 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:07.250	527	2	4676		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+23.66	-27.02	138	35.88	1579	139 35.92	101.77	129.69	97	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1929	+1800	+0	+1929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 3c4a 0000 3c4a 0000 0000 0000 0000 fbf7 0000 0bd5 f27d 0000 0000
		0000 0000 0000 62b2 23eb 09be 62b2 23eb 0000 1971 206c 06ee 020f 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:06.960	10	49.34	1164	102	4			129.70	139.47	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:07.260	Radar Report Msg	0b01 001c 003a b330 206d 22de 18ac 1230 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
6.06	1178	104	1						90.91	159.08	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b330 16ba 27c5 0308 1268 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
21.09	1226	108	3						103.52	150.56	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b330 19e1 25a4 0a8c 1328 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	2.72	1163	102	0				87.70		160.84	0		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b330 15ed 2836 015c 122c 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	7.66	1169	103	4				92.41		158.39	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b330 171a 2799 03d4 1244 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	7.28	1152	101	2				92.14		158.73	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b33a 1709 27af 03a4 1200 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	7.53	1171	103	1				92.28		158.42	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a b33a 1712 279b 03c4 124c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
5.94	1203	106	1			90.69	158.94	1				RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b33a 16ac 27bc 02f8 12cc 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
6.31	1233	108	3			90.88	158.50	3				RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b33a 16b8 27a0 0328 1344 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
10.59	1263	111	5			94.27	155.73	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:07.280	Radar Report Msg	0b01 001c 003a b376 1791 26ef 054c 13bc 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.22	1269	112	2			89.77	158.91	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b376 1671 27ba 029c 13d4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
40.03	1288	113	5			117.33	137.28	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b376 1d55 2252 1404 1420 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
46.97	1333	117	4			120.72	130.53	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a b376 1e2e 20a2 177c 14d4 0204 0400 0005 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:07.470	245	2	5266	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+46.12	-6.23	97	46.47	1111 98	46.54	128.77	144.06	168	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+3729	+3600	+0	+3729	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:07.470	Active Track Maintenance Msg	1700 0058 0000 748a 0000 748a 0000 0000 0000 0000 fbf7 0000 170f fce2 0000 0000
		0000 0000 0000 4579 2e89 0ab6 4579 2e89 0000 2031 2404 0c01 00f5 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:07.470	519		2	1631		-158	-96		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+51.75	-9.71	100	52.65	1145 101	52.65	133.34	139.34	185	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
238	+8029	+7900	+7900	+7900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:07.470	Active Track Maintenance Msg	1700 0058 0000 f6e0 0000 faea 0000 f6e0 003a b298 fbf7 0000 19e0 fb25 0000 0000 f4bd f91c 0000 479b 34a7 0399 4790 34a8 0000 2156 22d6 0d34 0207 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:04:07.470	394	N121NA	2	1320	1320	1V	-124	+11	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+18.41	-3.10	99	18.63	1133 100	18.68	102.77	154.19	124	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
275	+6029	+5900	+5883	+5883	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 b7db 0000 bc6a 0000 b7db 003a b28a fbf7 0000 0935 fe73 0000 0000
f727 00cc 0000 46d6 12ae 02d0 46d0 12ac 0000 19b1 268c 08e2 018a 0000 0000 fffc
041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 02d0 0005 003c 003c 003c 0000 023d 0000
0000 0000 0000 0000 0000 0024 0003 0000 0000 0000 02db 0000 001a 015e 018a 0099
018b 0027 0000 0113 0248 0168 0000 0000 0000 0000 0000 0000 0000 020e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 a4ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5041 3434 0000 0000 5241 4c00 5344 3800 2020 2020 2020 2020
2020 0000 4e31 3231 4e41 0000 0000 0036 3932 0000 0056 0000 0000 0020 0000 0046
3036 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:07.590	339	2		2201		-185	-90		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
+48.40	-12.99	105	50.07	1196 105	50.04	129.27	137.03	206	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
243	+8329	+8200	+8188	+8085	-22	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:07.590	Active Track Maintenance Msg	1700 0058 0000 fcab 0001 044a 0000 ffe4 003a b2d0 fbf7 ff4f 1833 f981 0000 0000
		f2d8 f98c 0000 4ac2 320b 0481 4ab0 321c 0b01 2051 2242 0ea7 0153 0000 0000 2d68
		081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:07.590	280	2		6737		+521	+115		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+56.02	-18.59	108	59.00	1233 108	59.02	135.09	129.75	534	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
77	+27800	+27800	+27806	+27951	+31	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0003 6978 0003 64c0 0003 64f0 003a b2fb 0000 00fc 1c03 f6b4 0000 0000
251b 083f 0000 4d18 3b06 0ddf 4d10 3b08 7f00 21c6 2070 2603 0118 0000 0000 44f4
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:07.590	298	2		0771		-207	-76		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+28.08	-6.13	102	28.72	1164 102	28.74	111.34	148.83	221	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
249	+9429	+9300	+9281	+9219	-13	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 201b 0001 26aa 0001 220c 003a b2ad fbf7 ff95 0e0a fcf0 0000 0000
f13c fa8d 0000 48ca 1cbe 01f9 48c0 1cbc 0000 1bd6 2535 0fbd 012a 0000 0000 0d6a
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:07.590 207 N8451R 2 4647 4647 1X -107 +9 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+6.27 -2.77 113 6.83 1295 114 6.84 91.09 157.59 107 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
274 +6029 +5900 +5899 +5899 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 b85d 0000 bc6a 0000 b85e 003a b342 fbf7 0000 0323 fe9d 0000 0000
f863 00a6 0000 50f9 06d8 09a7 5100 06dc 0000 16c6 2766 07a4 00cf 0000 0000 419c
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09a7 0015 003c 003c 003c 0028 0068 0000
0000 0000 0000 0000 0000 0026 0001 0000 0000 0000 00b0 0000 0037 00e1 00cf 0041
0000 0044 0000 01bb 0036 00bd 0000 0000 0000 0000 0000 0000 0000 020c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102

0001 0000 0000 0043 5032 3841 0000 0000 504f 4300 5656 5600 2020 2020 2020 2020
2020 0000 4e38 3435 3152 0000 0000 0036 3633 0000 0058 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:07.590	590	2		4624		-19	-103		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+33.91	-15.34	114	37.17	1301 114	37.22	114.67	138.42	105	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
190	+3029	+2900	+2922	+2922	+0	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 5b51 0000 5eaa 0000 5b51 003a b347 fbf7 0000 10f4 f855 0000 0000
fe96 f8a1 0000 5151 2539 0994 5150 2538 0000 1cab 229b 0782 024e 0000 0000 00d1
041f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:07.590 389 2 1654 -172 +1 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+42.23 -14.66 109 44.65 1242 109 44.72 122.88 136.97 172 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
270 +7129 +7000 +7010 +6865 -31 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 d68b 0000 deca 0000 db10 003a b305 fbf7 ff06 151d f8ab 0000 0000
f3b8 0015 0000 4da0 2cb8 03ac 4da0 2cb4 0000 1eb8 223e 0c48 0185 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:07.600 451 2 3220 +0 +0 RADAR-ONLY: NO
FIRMNESS: 63
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 0
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+5.58 -14.70 159 15.70 1811 159 15.72 87.42 146.20 140 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1129	+1000	+0	+1129	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:07.600	Active Track Maintenance Msg	1700 0058 0000 234a 0000 234a 0000 0000 0000 0000 fbf7 0000 02ca f8a6 0000 0000 0000 0000 0000 7139 0fb9 0690 7139 0fb9 0000 15db 248d 0a05 01c3 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:07.600	321	2	4665		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+41.88	-3.50	94	42.02	1078 95	42.02	125.36	147.78	159	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2729	+2600	+0	+2729	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 554a 0000 554a 0000 0000 0000 0000 fbf7 0000 14f0 fe40 0000 0000 0000 0000 0000 4365 2a05 09b5 4365 2a05 0000 1f57 24f2 0b5c 0141 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:07.270	12	35.56	1442	127	6		107.91	134.08	6			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:07.600	Radar Report Msg	0b01 001c 003a b470 1afa 2185 11c8 1688 0206 0600 0005 0202 1d00 0000
01:04:07.690	Delete Track Msg	1704 0008 003d 0910

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:07.480	13	4.16	1529	134	4		87.73	158.55	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:07.700	Radar Report Msg	0b01 001c 003a b52e 15ef 27a3 0214 17e4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	Y	PROC NM	STR STAT	SC	TYP	SYS
	17.63	1533	135	5			94.69	146.73	5				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b52e 17ac 24af 08d0 17f4 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	Y	PROC NM	STR STAT	SC	TYP	SYS
	23.69	1571	138	3			96.58	140.83	3				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b52e 1825 2335 0bd8 188c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	28.38	1603	141	3			97.48	136.05	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b52e 185f 2203 0e30 190c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:07.590	14	3.25	1682	148	4		86.61	159.14	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b5a6 15a7 27c9 01a0 1a48 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.00	1719	151	2			86.66	158.30	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b5a6 15aa 2793 0200 1adc 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:07.910	55	2	7230	-234	-91		RADAR-ONLY: NO		

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES

+13.68 -11.57 130 17.87 1482 130 17.89 96.06 147.19 251 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
248	+4029	+3900	+3877	+3851	-5	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:07.910	Active Track Maintenance Msg	1700 0058 0000 785f 0000 7dea 0000 7929 003a b413 fbf7 ffd5 06d7 fa37 0000 0000 ef55 f97d 0000 5cae 11e4 0e98 5ca0 11ec 5453 1804 24cc 11e5 0037 0000 0000 0000 041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:07.910	329	2	4657	-140	+179				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+23.66	-24.17	135	33.77	1542 136	33.84	102.52	132.48	227	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
322	+7029	+6900	+6900	+6900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 d7a0 0000 dbaa 0000 d7a0 003a b457 fbf7 0000 0bd5 f3ea 0000 0000 f607 0cc4 0000 6066 21d6 09af 6070 21d4 0001 19a1 211f 1033 0149 0000 0000 0100 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:07.910	278	2	4613	+252	+53				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+18.62	-21.05	138	28.03	1574 138	28.14	98.44	136.77	258	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
78	+6029	+5900	+5900	+5899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 b85e 0000 bc6a 0000 b864 003a b47d fbf7 0000 094f f57a 0000 0000
11f8 03ce 0000 626e 1c23 098b 6280 1c1c 08d8 189c 2231 125e 0116 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:07.910	561	2	4745		-153	+118			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+16.06	-16.91	136	23.30	1553 136	23.32	97.02	141.42	193	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
307	+5229	+5100	+5101	+5001	-21	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 9c4a 0000 a36a 0000 9f68 003a b463 fbf7 ff54 0808 f78b 0000 0000
		f51b 0874 0000 6110 1751 09e5 6110 1754 003a 1841 235b 0dca 0231 0000 0000 0200
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:07.910	98	2	3253		+18	-176			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
+8.60	-11.52	143	14.34	1629	143	14.40	91.17	148.53	177

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	Z FT/SEC/SEC	ALT SLID WINDOW
174	+4429	+4300	+4282	+4135	-31	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 813b 0000 8a6a 0000 85d0 003a b4b9 fbf7 ff05 044d fa3e 0000 0000
		014f f36d 0001 65d6 0e67 06ab 65e0 0e60 0003 16cb 2522 0ca5 0062 0000 0000 0e34
		071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:07.680	15	24.53	1775	156	7		89.72	137.69	7		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:07.940	Radar Report Msg	0b01 001c 003a b600 166e 226c 0c44 1bbc 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
	5.03	1763	155	1					86.63	157.16	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b600 15a8 274a 0284 1b8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
	4.09	1785	157	3					86.31	158.11	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b600 1594 2787 020c 1be4 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.09	1811	159	3		86.17	158.09	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b600 158b 2786 020c 1c4c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.09	1855	163	2		85.92	158.08	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b600 157b 2785 020c 1cfc 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:08.030	7	2	1275		-6	-5			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PREDICTED DEG	RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+41.67	-14.40	109	44.04	1242	109	44.07	122.39	137.38	8	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
225	+0	+0	+0	+0	+0		00000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:08.030	Active Track Maintenance Msg	1700 0058 0000 0000 0000 0000 0000 0000 003a b304 0000 0000 14d6 f8cd 0000 0000

ff91 ff93 0000 4da2 2c11 02bd 4d90 2c18 0940 1e99 2258 009b 0007 0000 0000 0000
0000 2600 0203 1000 0300 0100 0000 0001 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:08.040	328	2	6655		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+19.19	-21.80	138	29.00	1577 139	29.04	98.77	135.88	147	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1129	+1000	+0	+1129	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:08.040	Active Track Maintenance Msg	1700 0058 0000 234a 0000 234a 0000 0000 0000 0000 fbf7 0000 0998 f51a 0000 0000
		0000 0000 0000 6297 1d09 0dad 6297 1d09 0000 18b1 21f8 0a7d 0148 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:08.130	Delete Track Msg	1704 0008 01e7 0010

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:08.140	530	2	4643		-268	+191			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+20.92	-42.70	154	47.52	1752	154	47.54	95.17	115.36	329 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
305	+20000	+20000	+20000	+20000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:08.140	Active Track Maintenance Msg	1700 0058 0002 7100 0002 7100 0002 7100 003a b541 0000 0000 0a76 eaa7 0000 0000 ece4 0d9b 0000 6d81 2f8b 09a3 6d70 2f8c 07a0 17cb 1cd7 1775 0212 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:08.140	406	2	4622		-152	+7			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+10.88	-21.95	153	24.48	1748	154	24.50	90.73	137.86	152 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW

272 +4029 +3900 +3900 +3909 +2 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 7a2e 0000 7dea 0000 79e6 003a b53e fbf7 0010 0571 f507 0000 0000
		f52c 0088 0000 6d47 1881 0992 6d40 1880 0001 16af 2277 0ad7 0196 0000 0000 0100
		061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:08.140	176	2	4772		+157	+49			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
+4.59	-10.18	155	11.11	1771 156	11.18	87.63	150.84	165	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
72	+4329	+4200	+4211	+4134	-16	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:08.140	Active Track Maintenance Msg	1700 0058 0000 8136 0000 874a 0000 8399 003a b559 fbf7 ff7c 024c fae9 0000 0000
		0b3c 037f 0000 6eb4 0b2f 09fa 6ec0 0b2c 003a 15e8 25b6 0bc4 00b0 0000 0000 0700
		091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:08.140	160	2	4645		+257	+265			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
+4.21	-12.60	161	13.24	1838 162	13.29	86.64	148.78	369	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
44	+14829	+14700	+14683	+15038	+77	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 d5f3 0001 cf6a 0001 cadb 003a b5a3 fbf7 026a 021b f9b3 0000 0000
		1251 12db 0001 72e0 0d4b 09a5 72e0 0d4c 003a 15a9 2532 1a49 00a0 0000 0000 0000
		081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:08.140	310	2	1051		+442	+104			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+8.25	-31.50	165	32.56	1881 165	32.57	85.77	129.48	454	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
76	+22500	+22500	+22478	+22652	+37	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 c3e6 0002 bf20 0002 be77 003a b5d4 0000 012f 0420 f040 0000 0000 1f76 0767 0000 759e 2093 0229 7590 2090 0000 1571 205f 2052 0136 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:08.140	155	2	3275		+86	+164			RADAR-ONLY: NO

FIRMNESS: 24

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+27.90	-21.90	128	35.43	1458 128	35.47	107.19	133.59	185	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
27	+5029	+4900	+4900	+4900	+0	+0	01111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 9920 0000 9d2a 0000 9920 003a b3f8 fbf7 0000 0df3 f50d 0000 0000 0624 0bac 0000 5b2f 2378 06bd 5b20 2378 0200 1acc 2166 0d30 009b 0000 0000 0202 060f 1800 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:07.930	17	14.22	1843	162	3		86.59	147.73	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:08.140	Radar Report Msg	0b01 001c 003a b682 15a6 24ef 071c 1ccc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.31	1880	165	2			85.77	157.84	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b682 1571 2776 0228 1d60 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	6.09	1885	166	4				85.73	155.97	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b682 156f 26fe 030c 1d74 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	9.84	1893	166	5				85.59	152.13	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b682 1566 2608 04ec 1d94 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
4.16	2005	176	2			85.05	158.08	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:08.160	Radar Report Msg	0b01 001c 003a b6fa 1543 2785 0214 1f54 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
4.91	2007	176	2			84.88	157.30	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b6fa 1538 2753 0274 1f5c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
5.03	2058	181	1			84.48	157.25	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b6fa 151f 2750 0284 2028 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:08.030	18	5.34	2093	184	2		84.14	157.02	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:08.250 Radar Report Msg 0b01 001c 003a b754 1509 2741 02ac 20b4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	20.16	2147	189	6					77.80	143.39	6		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b754 1373 23d9 0a14 218c 0206 0600 0004 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	31.63	2153	189	6					72.97	132.97	6		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b754 123e 213e 0fd0 21a4 0206 0600 0004 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
4.44	2218	195	1			83.72	158.25	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:08.260	Radar Report Msg	0b01 001c 003a b75e 14ee 2790 0238 22a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
31.41	2227	196	3			69.89	134.80	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b75e 1179 21b3 0fb4 22cc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
11.09	2291	201	3			79.31	152.97	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b75e 13d4 263e 058c 23cc 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:08.350	580	2	4614	-48	+60				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES

-0.41 -18.02 181 18.00 2063 181 18.02 80.81 144.53 77 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
321	+4829	+4700	+4715	+4757	+9	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:08.350	Active Track Maintenance Msg	1700 0058 0000 94af 0000 96ea 0000 9359 003a b6a0 fbf7 004a ffcb f6fd 0000 0000 fc96 0453 0000 80f7 1204 098c 7fff 1208 0000 1434 2422 0582 0244 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:08.350	219	2		1060	-404	-126			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
-1.16	-18.08	183	18.09	2089 184	18.14	80.34	145.50	423	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
252	+35000	+35000	+35007	+34998	-1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 45b1 0004 45c0 0004 45f9 003a b6bf 0000 fff1 ff6b f6f6 0000 0000
		e33d f707 0000 829d 1225 0230 7fff 1220 0000 1416 2460 1e21 00db 0000 0000 0000
		051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.44	2243	197	1			83.59	158.33	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:08.360	Radar Report Msg	0b01 001c 003a b7c2 14e6 2795 0238 230c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	5.81	2364	208	4			82.00	157.72	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b7c2 1480 276e 02e8 24f0 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:08.570	449	2	7242	-315	+145				RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES INHIBIT MSAW PROCESS: INHIBIT MSAW DISPLAY:
-1.78	-33.11	183	33.11	2082 183	33.17	75.80	130.69	347	

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
294	+33000	+33000	+33038	+33113	+16	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:08.570	Active Track Maintenance Msg	1700 0058 0004 0ace 0004 0740 0004 0877 003a b6b7 0000 0082 ff1c ef72 0000 0000 e999 0a57 0000 8229 212b 0ea2 7fff 2128 0d00 12f3 20ac 18ad 01c1 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK	AIRCRAFT	SENSOR	----BEACON CODE---	CONTROLLER	VELOCITY	VELOCITY	LIVE/SIMULATED:
	NUMBER	ID/LINK	NUMBER	ASSIGNED	REPORTED	KEYBOARD	X KNOTS	Y KNOTS	ARR/DEP/OVERFLIGHT:
01:04:08.570	49	2		6311		+357	-83		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-8.95	-44.59	191	45.45	2176 191	45.48	65.84	121.00	366	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
103	+10329	+10200	+10228	+10092	-29	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 3b67 0001 42ca 0001 3fa2 003a b721 fbf7 ff15 fb87 e9b4 0000 0000
		1968 fa0a 0000 880c 2d7c 0cc9 7fff 2d7c 0001 1076 1e40 1a18 0031 0000 0000 ff1d
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK	AIRCRAFT	SENSOR	----BEACON CODE---	CONTROLLER	VELOCITY	VELOCITY	LIVE/SIMULATED:
	NUMBER	ID/LINK	NUMBER	ASSIGNED	REPORTED	KEYBOARD	X KNOTS	Y KNOTS	ARR/DEP/OVERFLIGHT:
01:04:08.570	361	2		1022		-212	-89		RADAR-ONLY: NO

FIRMNESS: 36

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6
-4.05	-17.57	192	18.01	2193 193	18.00	77.41	145.89	230	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
247	+3929	+3800	+3776	+3956	+39	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 7ba1 0000 7aca 0000 7605 003a b736 fbf7 013f fdf9 f737 0000 0000
f0e8 f9a3 0003 891f 11ff 0212 7fff 1208 0000 135a 2479 1062 0169 0000 0000 0056
061f 2400 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:08.270	19	14.78	2435	214	3		74.73		152.14	3			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:08.590	Radar Report Msg	0b01 001c 003a b894 12af 2609 0764 260c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		5.56	2506	220	1		81.41		158.78	1			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:08.590	Radar Report Msg	0b01 001c 003a b894 145a 27b2 02c8 2728 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:08.690	319	2	4725		+114	+24			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-0.13	-0.42	198	0.39	2218 195	0.42	85.55	161.47	116	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
77	+729	+600	+573	+522	-10	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:08.690	Active Track Maintenance Msg	1700 0058 0000 1057 0000 16ca 0000 11e9 003a b763 fbf7 ffaa fff0 ffca 0000 0000
		0820 01c4 0000 8aab 006c 09d5 7fff 0070 017c 1563 285e 0850 013f 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:08.690	379	2	6312		+270	-2			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
-5.20	-12.48	202	13.47	2303 202	13.52	77.61	151.13	270	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
90	+8329	+8200	+8211	+8069	-30	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 fc2c 0001 044a 0001 0098 003a b7b1 fbf7 ff0b fd67 f9c2 0000 0000
133c ffce 0000 8ff2 0d86 0cca 7fff 0d88 0003 1367 25c8 133c 017b 0000 0000 0100
091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:08.490	21	5.56	2531	222	1		81.30		158.95	1		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b916 1453 27bd 02c8 278c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	12.28	2547	224	3			75.39		155.48	3		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b916 12d9 26df 0624 27cc 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:08.790	173	2	6307		+511	-229			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-10.26	-12.98	218	16.50	2485 218	16.54	73.27	152.41	560	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
114	+33000	+33000	+33000	+33000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:08.790	Active Track Maintenance Msg	1700 0058 0004 0740 0004 0740 0004 0740 003a b87a 0000 0000 fadf f983 0000 0000
		2461 efaa 0000 9b55 108b 0cc7 7fff 108c 5858 1251 261a 27e1 00ad 0000 0000 0584
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	5.97	2581	227	4			80.72	159.09	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:08.800	Radar Report Msg	0b01 001c 003a b970 142e 27c6 02fc 2854 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	20.78	2627	231	3			66.91	153.27	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b970 10ba 2651 0a64 290c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	8.69	2660	234	3					77.83		158.70		3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b97a 1375 27ad 0458 2990 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	6.78	2635	232	4					79.73		159.19		4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b97a 13ef 27cc 0364 292c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.22	2666	234	1			79.20	159.31	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b97a 13cd 27d4 039c 29a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.38	2714	239	2			81.88	160.66	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a b97a 1478 282a 0230 2a68 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:08.790	22	15.75	2746	241	2		70.56	158.05	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:09.010	Radar Report Msg	0b01 001c 003a ba56 11a4 2783 07e0 2ae8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	2.00	2797	246	5			84.61	161.64	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a ba56 1527 2869 0100 2bb4 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
8.75	2749	242	4						77.42			159.80	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a ba56 135b 27f3 0460 2af4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
29.66	2779	244	3						56.72			156.14	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a ba56 0e2e 2709 0ed4 2b6c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
15.25	2847	250	4			70.67	160.48	4		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a ba56 11ab 281f 07a0 2c7c 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:09.240	8	2	1273		+0	-8			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-37.73	-33.25	228	50.26	2601 229	50.31	40.86	139.23	8	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
177	-899	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:09.240	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e3e1 ffff e3e1 003a b8fe 0000 0000 ed23 ef60 0000 0000 0009 ff65 0000 a29f 3250 02bb 7fff 324c 0001 0a37 22cf 009b 0008 0000 0000 84be 0a1f 2603 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:09.240	586	2	4673		+322	+7			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
-16.34	-12.07	233	20.29	2656 233	20.30	66.97	154.33	323	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
88	+10029	+9900	+9880	+9878	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 34b5 0001 396a 0001 34c4 003a b93d fbf7 fffe f7d5 f9f7 0000 0000
		16f8 0080 0000 a608 144e 09bb 7fff 1450 a010 10be 2695 16f9 024a 0000 0000 3f40
		041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:09.240	304	2	7342	-321	+161				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-29.97	-19.63	236	35.79	2694 237	35.82	52.23	150.59	359	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
296	+35000	+35000	+35001	+35001	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 45cb 0004 45c0 0004 45c9 003a b966 0000 0000 f104 f62f 0000 0000
		e922 0b73 0000 a861 23d1 0ee2 7fff 23d4 003a 0d0f 25a6 1993 0130 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:04:09.240	Delete Track Msg	1704 0008 0153 0610

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X NM	SYSTEM Y NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:04:09.010	24	12.00	2835	249	3			73.95	160.56	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:09.240	Radar Report Msg	0b01 001c 003a bace 127d 2824 0600 2c4c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X NM	SYSTEM Y NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	17.28	3107	273	3				69.39	167.08	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:09.270	Radar Report Msg	0b01 001c 003a bb46 1159 29c5 08a4 308c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	6.88	3094	272	5					79.36	163.73	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a bb46 13d7 28ef 0370 3058 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	13.78	3116	274	4					72.80	166.19	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a bb46 1233 298c 06e4 30b0 0204 0400 0001 0303 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
13.69	3120	274	4			72.91	166.23	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a bb46 123a 298f 06d8 30c0 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
13.44	3131	275	2			73.22	166.36	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a bb46 124e 2997 06b8 30ec 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:09.350	591	N31F	2	0260	0260	1Y	+41	+83	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-7.55	-2.55	251	7.90	2858 251	7.97	77.83	161.30	93	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: YES

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
26	+1929	+1800	+1771	+1759	-2	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:09.350	Active Track Maintenance Msg	1700 0058 0000 36fa 0000 3c4a 0000 375e 003a ba21 fbf7 ffeb fc39 feba 0000 0000

02ed 05f2 0000 b2a0 07f9 00b0 7fff 07f8 0006 1375 2853 06a0 024f 0000 0000 bba0
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 00b0 008a 0104 ffff ffff 003d 000e 0000
0000 0000 0000 0000 0000 008a 008a 0000 0000 0000 0000 0000 00c9 0215 024f 015c
0000 00b1 0000 013a 00d7 00d5 0000 0000 0000 0000 0000 0000 0000 0448 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0004 2020 2fff 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0702
0001 0000 0000 0043 0000 0000 0000 0000 0000 0000 564e 5900 2020 2020 2020 2020
2020 0000 4e33 3146 0000 0000 0000 0000 0000 0000 0059 0000 0000 0020 564e 5900
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:09.350 545 2 4706 -150 -49 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-23.56 -6.05 255 24.31 2907 256 24.34 61.45 161.95 158 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
251 +4029 +3900 +3900 +3900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 79e0 0000 7dea 0000 79e0 003a ba57 fbf7 0000 f438 fcfa 0000 0000
f551 fc80 0000 b5b4 1858 09c6 7fff 1854 0001 0f5d 287d 0b3e 0221 0000 0000 bbaa
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: OVR
01:04:09.350 274 N8063T 2 4763 4763 1V +119 +41 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 3
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-17.02 -3.23 259 17.29 2949 259 17.32 68.52 163.03 126 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
71 +7029 +6900 +6862 +7118 +67 +5 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 de76 0000 dbaa 0000 d673 003a ba86 fbf7 021f f77d fe63 0000 0000
0888 02ee 002a b85a 1152 09f3 7fff 1154 0000 1121 28c2 0905 0112 0000 0000 0000
031f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09f3 0005 0032 ffff 0032 002c 022a 0000
0000 0000 0000 01b8 0000 0003 0015 0000 0000 0000 00ae 0000 0070 0245 0112 00cb
0000 002d 0000 0194 0133 0144 0000 0000 0000 0000 0000 0000 0000 042f ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 00ff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0036 5041 3332 0000 0000 4f58 5200 4844 4600 2020 2020 2020 2020
2020 0000 4e38 3036 3354 0000 0000 0030 3030 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:09.350 475 N6887L 2 4714 4714 1V +182 +19 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 6
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-18.53 -1.33 266 18.54 3025 266 18.58 67.53 165.23 183 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
83 +5029 +4900 +4900 +4907 +1 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 9958 0000 9d2a 0000 9924 003a badb fbf7 000b f6bc ff56 0000 0000
0cf2 0164 0000 bd1c 1294 09cc 7fff 1294 0000 10e2 294f 0d05 01db 0000 0000 0000
061f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0004 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 2000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09cc 0005 0000 ffff 0032 0038 0253 0000
0000 0000 0000 00ec 0000 0003 0003 0000 0000 0000 00f2 0000 0014 0138 01db 00c3
0000 01aa 0000 0062 0054 01c9 0000 0000 0000 0000 0000 0000 0000 025c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 1dff 0600 0000 0000 0000 0000 0100 0201 0000 0001 0001 0102
0001 0000 0000 0036 4334 3231 0000 0000 4f58 5200 4343 4200 2020 2020 2020 2020
2020 0000 4e36 3838 374c 0000 0000 0037 3937 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:09.350	275	2	0257	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+35.27	+1.16	88	35.27	1002 88	35.29	120.17	153.98	96	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1829	+1700	+0	+1829	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:09.350	Active Track Maintenance Msg	1700 0058 0000 392a 0000 392a 0000 0000 0000 0000 fbf7 0000 11a3 0095 0000 0000 0000 0000 0000 3ea7 234a 00af 3ea7 234a 0000 1e0b 267f 06d7 0113 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:09.120	25	13.25	3139	276	1		73.45		166.45	1				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:09.350	Radar Report Msg	0b01 001c 003a bba0 125d 299d 06a0 310c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		12.78	3146	277	1		73.95		166.41	1				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a bba0 127d 299a 0664 3128 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:09.240	26	31.91	3210	282	3		57.33		176.20	3				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:09.450	Radar Report Msg	0b01 001c 003a bc18 0e55 2c0d 0ff4 3228 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		10.13	3236	284	1		77.03		166.69	1				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a bc18 1342 29ac 0510 3290 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:09.570	87	CPF420	2	4664	4664	1X	+85	-67	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5
-4.55	-0.52	263	4.53	2999 264	4.60	81.30	162.47	108	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
128	+4929	+4800	+4801	+4787	-2	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:09.570	Active Track Maintenance Msg	1700 0058 0000 959f 0000 9a0a 0000 9609 003a baba fbf7 ffea fdba ffbd 0000 0000
		0613 fb33 0000 bb71 049a 09b4 7fff 0494 00dc 1453 289e 07be 0057 0000 0000 0700
		051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09b4 0015 0032 0032 0032 003c 017c 0000
0000 0000 0000 0000 0000 0001 0026 0000 0000 0000 00ed 0000 01b0 009b 0057 0201
0000 016b 0000 0010 0184 0185 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2eff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 4332 3036 0000 0000 5748 5000 544f 4100 2020 2020 2020 2020
2020 0000 4350 4634 3230 0000 0000 0035 3634 0000 0058 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:09.570 297 2 1056 -12 +95 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-41.17 -1.95 267 41.17 3040 267 41.21 45.47 170.38 96 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
352 +6129 +6000 +5982 +6050 +14 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 bd16 0000 bf8a 0000 baf2 003a baed fbf7 0077 eb6a ff06 0000 0000

ff24 06c7 0000 be0b 2937 022e 7fff 2938 fbf7 0b5e 2a98 06d5 0129 0000 0000 0a0a
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:09.570 362 2 0006 +255 -356 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 6
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-26.48 +1.09 272 26.46 3098 272 26.43 60.56 169.58 438 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
144 +15829 +15700 +15680 +15654 -5 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 e930 0001 eeaa 0001 ea04 003a bb2e fbf7 ffd3 f2c3 008c 0000 0000
1228 e69f 0000 c1ad 1a6f 0006 7fff 1a80 fbf7 0f24 2a65 1f35 016a 0000 0000 fd8d
061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:09.570	9	2	1275		+2	-4			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-12.51	-10.98	228	16.61	2600 229	16.68	70.89	154.38	5	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
148	-470	-599	-599	-599	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 ffff ed41 ffff f14b ffff ed41 003a b8ff fbf7 0000 f9bf fa82 0000 0000
		0035 ffab 0000 a289 10ae 02bd 7fff 10a8 fbf7 11b9 2698 0064 0009 0000 0000 069c
		0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	10.13	3259	286	2			77.22	167.00	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:09.570	Radar Report Msg	0b01 001c 003a bc72 134e 29c0 0510 32ec 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	14.09	3291	289	1			74.16	169.64	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a bc72 128a 2a69 070c 336c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	4.88	3304	290	4					82.00	164.47	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a bc72 1480 291e 0270 33a0 0204 0400 0004 0101 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	26.28	3370	296	3					65.94	178.98	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a bc72 107c 2cbf 0d24 34a8 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:09.670	424	2		7234	+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
-1.45	-16.49	185	16.50	2104 185	16.55	80.17	146.27	174	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2029	+1900	+0	+2029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:09.670	Active Track Maintenance Msg	1700 0058 0000 3f6a 0000 3f6a 0000 0000 0000 0000 fbf7 0000 ff47 f7c1 0000 0000 0000 0000 0000 838f 108e 0e9c 838f 108e 0000 140b 2491 0c65 01a8 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:09.570	28	6.97	3427	301	1		81.05	166.70	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:09.790	Radar Report Msg	0b01 001c 003a bd62 1443 29ad 037c 358c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	27.84	3443	303	3			66.92	182.25	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a bd62 10bb 2d90 0dec 35cc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.06	3427	301	4			80.98		166.77	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a bd62 143f 29b1 0388 358c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	9.28	3450	303	3			79.64		168.61	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a bd62 13e9 2a27 04a4 35e8 0203 0300 0003 0003 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	19.66	3491	307	3			73.58	177.16	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a bd62 1265 2c4a 09d4 368c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	22.84	3491	307	3			71.59	179.66	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a bd6c 11e6 2cea 0b6c 368c 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:09.890	84	N774CS	2	3376	3376	1W	+153	-147	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PREDICTED DEG	RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-21.55	+5.01	283	22.07	3220	283	22.12	66.25	172.13	212	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: YES

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
133	+9929	+9800	+9790	+9758	-7	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:09.890	Active Track Maintenance Msg	1700 0058 0001 30f0 0001 364a 0001 31f5 003a bbb7 fbf7 ffc8 f53a 0281 0000 0000

0ae4 f586 0000 c94d 161f 06fe 7fff 1620 0001 1090 2b08 0f1d 0054 0000 0000 bd8a
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 06fe 0003 012c ffff f830 0037 01ab 0000
0000 0000 0000 0142 0000 0007 002e 0000 0000 0000 00a9 0000 0215 0249 0054 0250
0000 0000 0000 0213 0091 014a 0000 0000 0000 0000 0000 0000 0000 03cb ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2056 2eff 0000 0000 0000 0000 0000 0101 0003 0000 0001 0001 0502
0001 0000 0000 0043 4332 3130 0000 0000 5341 3900 544f 4100 2020 2020 2020 2020
2020 0000 4e37 3734 4353 0000 0000 0036 3032 0000 0057 0000 0000 0020 0000 004f
4646 5620 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:09.890 194 DDA77 2 4043 4043 0 +365 -323 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-42.71 +17.16 291 45.99 3319 292 45.99 48.89 189.20 487 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
131 +18200 +18200 +18200 +17850 -76 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0002 2dd1 0002 38c0 0002 38c5 003a bc28 0000 fd9f eaa5 0894 0000 0000
19f6 e8ff 0000 cf7b 2dfd 0823 7fff 2e08 0001 0c39 2f4d 22b0 00c2 0000 0000 a2aa
041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0823 0000 0136 ffff 0172 003f 0204 0000
0000 0000 0000 0001 0007 0007 0007 0000 0000 0000 00ab 0000 0090 00b2 00c2 0000
0000 0000 0000 00c8 0155 0189 0000 0000 0000 0000 0000 0000 0000 023d ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000 0100 0000
0100 0000 0001 0000 0001 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0005 2000 2fff 0000 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0102
0001 0000 0000 0043 4c4a 3335 0000 0000 4649 4d00 564e 5900 2020 2020 2020 2020
2020 0000 4444 4137 3700 0000 0000 0033 3535 0000 0000 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:09.890	384	2	1200		+103	+52			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-34.20	-1.21	268	34.21	3050 268	34.24	52.41	169.33	116	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
63	+5629	+5500	+5500	+5500	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:09.890	Active Track Maintenance Msg	1700 0058 0000 abe0 0000 afea 0000 abe0 003a baf6 fbf7 0000 eee7 ff65 0000 0000 0763 03c4 0000 bea6 223e 0280 7fff 2238 0d8e 0d1a 2a55 084b 0180 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:09.670	29	4.94	3685	324	2		84.06	166.17	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:10.010	Radar Report Msg	0b01 001c 003a be34 1504 298b 0278 3994 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		4.78	3699	325	1		84.22	166.05	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a be34 150e 2983 0264 39cc 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		5.38	3671	323	2		83.80	166.56	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a be34 14f3 29a4 02b0 395c 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:10.110	59	2	4603	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X	DISPLAY NM	DISPLAY Y	DISPLAY NM	PRED_AZIM AZI DEG	PREDICTED RANGE NM	SYSTEM ACP	SYSTEM DEG	SYSTEM RANGE NM	SPEED X	SPEED NM	SPEED Y	SPEED NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES

+51.86 +9.73 79 52.71 903 79 52.76 138.28 158.05 324 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+20700	+20700	+0	+20700	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:10.110	Active Track Maintenance Msg	1700 0058 0002 86e0 0002 86e0 0000 0000 0000 0000 0000 0000 19ee 04dd 0000 0000 0000 0000 0000 3872 34c3 0983 3872 34c3 0000 2292 2783 170c 003b 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:10.240	51	2	1331		-193	+281			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-25.62	+19.18	306	31.92	3490 307	32.01	66.11	186.58	341	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
325	+31000	+31000	+31000	+31000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:10.240	Active Track Maintenance Msg	1700 0058 0003 c8c0 0003 c8c0 0003 c8c0 003a bce7 0000 0000 f331 0997 0000 0000 f238 1400 0000 da2a 2002 02d9 7fff 2000 0000 1087 2ea5 184a 0033 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:10.240	56	2	4752		-119	+191			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-28.31	+23.02	309	36.48	3515 309	36.49	64.25	191.23	225	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
328	+12029	+11900	+11900	+11900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0001 73e0 0001 77ea 0001 73e0 003a bd04 fbf7 0000 f1d8 0b82 0000 0000
f781 0d99 0000 dbb9 247d 09ea 7fff 247c 0003 1010 2fcf 1009 0038 0000 0000 b376
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:10.240	400	2	4675			-192	-60		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-42.41	+32.79	307	53.55	3501 308	53.59	53.09	204.25	202	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
252	+14029	+13900	+13900	+13900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 b260 0001 b66a 0001 b260 003a bcf2 fbf7 0000 eacb 1065 0000 0000
f248 fbb1 0000 dad5 3597 09bd 7fff 359c 0000 0d46 3310 0e62 0190 0000 0000 0cac
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:10.240 392 2 7304 -251 +269 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-27.23 +23.34 310 35.81 3533 311 35.85 65.47 191.14 368 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
317 +23400 +23400 +23380 +23569 +47 +2 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0002 e08a 0002 db40 0002 daa7 003a bd17 0000 0179 f263 0bab 0000 0000
ee1e 1321 0016 dcde 23d9 0ec4 7fff 23dc 0107 105e 2fc9 1a30 0188 0000 0000 0000
041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:10.240 322 N900RL 2 3601 3601 1F +45 -228 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 9
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-10.09 +10.72 316 14.68 3604 317 14.68 78.75 174.73 232 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
168	+6729	+6600	+6595	+6495	-21	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 cafa 0000 d24a 0000 ce1a 003a bd66 fbf7 ff54 faf5 055c 0000 0000 0341 efc5 0000 e144 0eaf 0781 7fff 0eb8 1d00 13b0 2baf 108d 0142 0000 0000 a9c8 091f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0781 0001 0122 ffff 01c2 0037 01b6 0000
		0000 0000 0000 00ba 0000 0001 008a 0000 0000 0000 008f 0000 012b 00a5 0142 009b
		0000 01c6 0000 01cb 000c 020d 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
		0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 35ff 0100 0000 0000 0000 0000 0100 0003 0000 0001 0001 0702
		0001 0000 0000 0031 474c 4634 0000 0000 504d 4400 5656 5600 2020 2020 2020 2020
		2020 0000 4e39 3030 524c 0000 0000 0035 3736 0000 0046 0000 0000 0020 5656 5600
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG X	QUA NM	BEACON Y	ALT NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:09.910	30	5.03	3839	337	2		85.11	166.55	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:10.240	Radar Report Msg	0b01 001c 003a bf06 1547 29a3 0284 3bfc 0202 0200 0001 0103 1d00 0000

END TIME	START TIME	TARGET REPORTS: LIVE	SIMULATED	VALID MODE-C:	0
01:04:10.120	01:04:05.520	RADAR-ONLY 104	0	0.0%	
SENSOR = 2		BEACON-ONLY 0	0		
		RADAR & BEACON 0	0	VALID MODE-3/A:	0
		TOTAL 104	0	0.0%	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:10.330 Sensor Sector Mark Msg 1715 000c 003a bf88 0000 0200

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT			
01:04:10.120	0	8.63	3977	350	2				86.39	170.28	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:10.350	Radar Report Msg	0b01 001c 003a bf92 1599 2a92 0450 3e24 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT			
		8.97	4035	355	5				87.19	170.53	5		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a bf92 15cc 2aa2 047c 3f0c 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
5.06	4012	353	3			86.38	166.59	3		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a bf92 1598 29a6 0288 3eb0 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
11.09	4051	356	1			87.81	172.61	1		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a bf92 15f4 2b27 058c 3f4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
9.06	46	4	2			88.63	170.28	2		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a bf92 1628 2a92 0488 00b8 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:04:10.450	74	N40905	2	6701	6701	0	-57	+60	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PREDICTED DEG	RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES

-9.39 +15.99 329 18.49 3750 330 18.54 80.77 179.63 83 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
316	+10029	+9900	+9904	+9908	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:10.450	Active Track Maintenance Msg	1700 0058 0001 35a3 0001 396a 0001 3584 003a be0a fbf7 0007 fb4e 07ff 0000 0000 fbec 0446 0000 ea68 128b 0dc1 7fff 128c 2a54 1431 2ce8 05e8 004a 0000 0000 9ecc 081f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000

Radar Report Msg 0b01 001c 003a bff6 1612 2a8c 0470 0060 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:10.550	358	2	7303		+96	+316			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-1.74	+15.48	353	15.53	4020 353	15.55	87.97	177.02	331	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
16	+17029	+16900	+16853	+17025	+37	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:10.550	Active Track Maintenance Msg	1700 0058 0002 140d 0002 142a 0002 0eaa 003a bf3d fbf7 012d ff21 07bd 0000 0000
		06d6 1687 0001 fb43 0f8e 0ec3 7fff 0f94 0000 15fe 2c41 178b 0166 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:10.660	532	2		0772	+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+59.84	-0.73	90	59.82	1031 91	59.84	143.38	145.91	247	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+16029	+15900	+0	+16029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:10.660	Active Track Maintenance Msg	1700 0058 0001 f4ea 0001 f4ea 0000 0000 0000 0000 fbf7 0000 1deb ffa3 0000 0000 0000 0000 0000 407e 3bd7 01fa 407e 3bd7 0000 23d8 247a 11a1 0214 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:10.330	2	12.78	147	13	3		91.64	173.06	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:10.670	Radar Report Msg	0b01 001c 003a c0c8 16e9 2b44 0664 024c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
		6.19	98	9	3		88.13	167.31	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c0c8 1608 29d4 0318 0188 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.34	195	17	1					91.14	170.52	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c0c8 16c9 2aa1 052c 030c 0201 0100 0001 0000 1d00 0000
01:04:10.890	Delete Track Msg	1704 0008 0006 0910

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:10.580	3	58.34	276	24	4				122.41	207.19	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:10.900	Radar Report Msg	0b01 001c 003a c1a4 1e9a 33cc 1d2c 0450 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	10.69	259	23	1				92.19		170.22	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c1a4 170c 2a8e 0558 040c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	17.84	286	25	5				97.14		175.48	5		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c1a4 1849 2bdf 08ec 0478 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	10.91	275	24	1				92.53		170.23	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c1ae 1722 2a8f 0574 044c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	27.06	352	31	5				105.06		180.72	5		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a c1ae 1a44 2d2e 0d88 0580 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	7.22	490	43	2			91.70		165.58	2		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c1ae 16ed 2965 039c 07a8 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:10.990	491		2	2734	+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+32.56	-20.48	122	38.44	1389 122	38.46	112.03	133.75	134	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1429	+1300	+0	+1429	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:10.990	Active Track Maintenance Msg	1700 0058 0000 2caa 0000 2caa 0000 0000 0000 0000 fbf7 0000 1048 f5c3 0000 0000 0000 0000 0000 56df 2677 05dc 56df 2677 0000 1c02 2170 098d 01eb 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:10.890	5	7.38	515	45	1		91.98	165.44	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:11.190	Radar Report Msg	0b01 001c 003a c28a 16ff 295c 03b0 080c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		7.22	468	41	1		91.58	165.78	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c28a 16e5 2972 039c 0750 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	NM	Y	NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.78	483	42	3			89.55		164.27		3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c28a 1663 2911 0264 078c 0203 0300 0003 0003 1d00 0000
01:04:11.210	Delete Flight Data Msg	1809 0008 005a 0300

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:11.440	460	EJA631	2	4757	4757	0	-272	-153	RADAR-ONLY: NO

FIRMNESS: 27

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3
+6.11	+27.39	12	28.04	143 13	28.02	98.58	186.72	312	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
240	+13029	+12900	+12933	+12687	-53	+0	01001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:11.440	Active Track Maintenance Msg	1700 0058 0001 8c7f 0001 972a 0001 942d 003a c028 fbf7 fe56 030e 0db2 0000 0000 eca0 f512 0000 08f1 1c05 09ef 08f0 1c10 0001 18a5 2eae 163e 01cc 0000 0000 8fba 0309 1b00 0201 1001 0303 0100 0000 0000 0000 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 09ef 0000 0172 ffff ffff 003c 026d 0000 0000 0000 0000 0001 0001 0001 0001 0000 0000 0000 009a 0000 003e 01bd 01cc 01a5 0000 01e5 0000 01c8 005b 0124 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:04:11.230	7	3.69	692	61	4			88.97	162.66	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:11.450	Radar Report Msg	0b01 001c 003a c370 163e 28aa 01d8 0ad0 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
		3.53	730	64	1			88.84	162.44	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c370 1636 289c 01c4 0b68 0201 0100 0001 0000 1d00 0000

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TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	1.97	685	60	0			86.84		162.13	0		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c370 15b6 2888 00fc 0ab4 0200 0000 0000 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	4.03	731	64	7			89.39		162.55	7		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c370 1659 28a3 0204 0b6c 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	3.91	776	68	2			89.28		162.27	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c370 1652 2891 01f4 0c20 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	4.34	862	76	2			89.80		161.80	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:11.460	Radar Report Msg	0b01 001c 003a c3de 1673 2873 022c 0d78 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	ALT COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:11.330	8	5.28	965	85	3			90.72		161.00	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:11.550	Radar Report Msg	0b01 001c 003a c438 16ae 2840 02a4 0f14 0203 0300 0001 0203 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:11.650	6	2	1274			-3	-2		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+37.57	+17.84	64	41.57	735 65	41.57	126.63	169.58	4	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
235	-770	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:11.650	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e7eb ffff e3e1 003a c2c2 fbf7 0000 12c9 08eb 0000 0000 ffc1 ffd6 0000 2df1 2992 02bc 2df0 2998 0001 1fa8 2a65 004c 0006 0000 0000 c28a 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:11.770	101	2	3507			+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+24.88	-27.41	137	36.99	1567 138	37.02	102.84	129.02	221	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:11.770 Active Track Maintenance Msg 1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0c71 f24c 0000 0000
0000 0000 0000 61f6 2504 0747 61f6 2504 0000 19b6 2041 0fc4 0065 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:11.590	10	29.72	1118	98	5		113.08		150.27	5		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:11.880	Radar Report Msg	0b01 001c 003a c528 1c45 2591 0edc 1178 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		52.06	1100	97	4		134.20		142.89	4		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c528 218d 23b9 1a08 1130 0204 0400 0005 0003 1d00 0000

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TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	2.91	1123	99	0				87.97		160.88	0		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c528 15fe 2838 0174 118c 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	8.78	1105	97	2				93.78		158.63	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c528 1772 27a8 0464 1144 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	7.56	1165	102	4				92.34		158.47	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c532 1716 279e 03c8 1234 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	7.72	1173	103	4				92.44		158.31	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:11.890 Radar Report Msg 0b01 001c 003a c532 171c 2794 03dc 1254 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	6.03	1178	104	1					90.88	159.09	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c532 16b8 27c6 0304 1268 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	8.00	1155	102	1					92.80	158.38	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c532 1733 2798 0400 120c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
3.03	1171	103	3			88.03	160.64	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c532 1602 2829 0184 124c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
55.47	1214	107	5			133.08	132.97	5		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c532 2145 213e 1bbc 12f8 0205 0500 0005 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:11.990	523	2		0646	-228	-88			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+40.73	-1.19	91	40.70	1042	92	40.74	124.81	150.39	244 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
249	+12829	+12700	+12667	+12608	-12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:11.990	Active Track Maintenance Msg	1700 0058 0001 8a07 0001 90ea 0001 8bd8 003a c41d fbf7 ff9c 145e ff68 0000 0000

efc2 f9bb 0000 4124 28be 01a6 4130 28c0 0000 1f34 2599 1169 020b 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: DEP
01:04:11.990 394 N121NA 2 1320 1320 1V -125 +0 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+18.25 -3.14 99 18.51 1133 100 18.52 102.61 154.19 125 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
269 +6029 +5900 +5895 +5901 +1 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 b86a 0000 bc6a 0000 b838 003a c484 fbf7 000b 0920 fe6e 0000 0000
f70d fff5 0000 46d8 1284 02d0 46f0 1284 0000 19a7 268c 08f3 018a 0000 0000 0000
051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 02d0 0005 003c 003c 003c 0000 023d 0000
0000 0000 0000 0000 0000 0024 0003 0000 0000 0000 02db 0000 001a 015e 018a 0099
018b 0027 0000 0113 0248 0168 0000 0000 0000 0000 0000 0000 0000 020e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 a4ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5041 3434 0000 0000 5241 4c00 5344 3800 2020 2020 2020 2020
2020 0000 4e31 3231 4e41 0000 0000 0036 3932 0000 0056 0000 0000 0020 0000 0046
3036 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:11.990 519 2 1631 -155 -103 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+51.54 -9.91 100 52.44 1147 101 52.47 133.08 139.20 186 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
236 +8029 +7900 +7900 +7900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 f6e0 0000 faea 0000 f6e0 003a c493 fbf7 0000 19c5 fb0b 0000 0000

f4fa f89c 0000 47b6 3478 0399 47c0 347c 0000 2145 22cd 0d46 0207 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:11.990	298	2		0771	-206	-79			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+27.80	-6.23	102	28.43	1167 103	28.50	111.05	148.78	221	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
249	+9329	+9200	+9212	+9148	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 1de7 0001 238a 0001 1fe6 003a c4aa fbf7 ff92 0de7 fce2 0000 0000
		f14a fa5f 0000 48fc 1c7f 01f9 4900 1c80 1202 1bc3 2532 0fc0 012a 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:11.990	339		2	2201		-180	-96		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
+48.16	-13.16	105	49.88	1198 105	49.86	128.98	136.92	204	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
242	+8229	+8100	+8091	+7990	-21	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 f9b6 0001 012a 0000 fcdc 003a c4cb fbf7 ff53 1814 f96c 0000 0000
		f32b f92c 0000 4ae0 31dc 0481 4ae0 31ec 0000 203f 223b 0e89 0153 0000 0000 010e
		091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:12.000	527		2	4676		+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+23.73	-26.92	138	35.82	1576 139	35.89	101.86	129.77	96	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1929	+1800	+0	+1929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:12.000 Active Track Maintenance Msg 1700 0058 0000 3c4a 0000 3c4a 0000 0000 0000 0000 fbf7 0000 0bde f28a 0000 0000
0000 0000 0000 628f 23e3 09be 628f 23e3 0000 1977 2071 06d4 020f 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:11.670	11	27.13	1236	109	3		108.39		146.97	3		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:12.000	Radar Report Msg	0b01 001c 003a c578 1b19 24be 0d90 1350 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		10.66	1259	111	7		94.36		155.75	7		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c582 1797 26f0 0554 13ac 0207 0700 0003 0302 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.31	1234	108	3				90.88	158.50	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c582 16b8 27a0 0328 1348 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
20.66	1243	109	1				102.84	150.34	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c582 19b6 2596 0a54 136c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
49.03	1256	110	5				125.86	133.69	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c582 1f77 216c 1884 13a0 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
47.03	1332	117	4				120.81	130.55	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:12.000 Radar Report Msg 0b01 001c 003a c596 1e34 20a3 1784 14d0 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	40.09	1288	113	5						117.38		137.25	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c596 1d58 2250 140c 1420 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.34	1291	113	1						91.39		157.41	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c596 16d9 275a 03ac 142c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	21.91	1307	115	7			102.61	147.92	7		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c596 19a7 24fb 0af4 146c 0207 0700 0003 0302 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:12.090	245	2	5266	+0	+0		RADAR-ONLY: NO		
							FIRMNESS: 63		

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0
+45.94	-6.34	97	46.37	1113	98	46.37	128.56	144.00	168

INHIBIT MSAW PROCESS: VALID ALTITUDE: YES
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+3729	+3600	+0	+3729	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:12.090	Active Track Maintenance Msg	1700 0058 0000 748a 0000 748a 0000 0000 0000 0000 fbf7 0000 16f8 fcd4 0000 0000 0000 0000 0000 4597 2e5f 0ab6 4597 2e5f 0000 2024 2400 0bfc 00f5 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:12.090	451	2	3220	+0	+0		RADAR-ONLY: NO		
							FIRMNESS: 63		

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0

X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+5.40 -14.77 160 15.70 1819 160 15.72 87.23 146.19 141 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1129	+1000	+0	+1129	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 234a 0000 234a 0000 0000 0000 0000 fbf7 0000 02b3 f89e 0000 0000 0000 0000 0000 71b8 0fb8 0690 71b8 0fb8 0000 15cf 248c 0a07 01c3 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:12.090	321	2	4665		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+42.09	-3.50	94	42.21	1078 95	42.23	125.56	147.73	157	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2629	+2500	+0	+2629	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 522a 0000 522a 0000 0000 0000 0000 fbf7 0000 150b fe40 0000 0000
		0000 0000 0000 4361 2a3b 09b5 4361 2a3b 0000 1f64 24ef 0b2f 0141 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
01:04:11.870	12	25.47	1477	130	4		100.52	141.16	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:12.100	Radar Report Msg	0b01 001c 003a c668 1921 234a 0cbc 1714 0204 0400 0004 0101 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	37.56	1504	132	5			106.27	130.42	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c668 1a91 209b 12c8 1780 0205 0500 0005 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:12.210	389	2	1654		-176	-6			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+41.96	-14.72	109	44.43	1243 109	44.50	122.61	136.98	176	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
267	+7029	+6900	+6877	+6735	-30	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:12.210	Active Track Maintenance Msg	1700 0058 0000 d27f 0000 dbaa 0000 d6eb 003a c4ff fbf7 ff0c 14fb f8a4 0000 0000
		f36f ff89 0000 4db0 2c81 03ac 4dc0 2c78 003a 1ea7 223f 0c93 0185 0000 0000 0803
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:12.210	280		2	6737		+523	+108		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+56.67	-18.53	108	59.57	1229 108	59.61	135.73	129.66	534	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
78	+28000	+28000	+27968	+28117	+32	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0003 6ea9 0003 6b00 0003 6a00 003a c4ef 0000 0104 1c56 f6bc 0000 0000
		2532 07b4 0000 4cd7 3b9c 0ddf 4ce0 3ba0 0000 21ef 206a 25fc 0118 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:12.210	207	N8451R	2	4647	4647	1X	-107	+6	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+6.13	-2.77	114	6.71	1300 114	6.72	90.95	157.64	107	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
273	+6029	+5900	+5899	+5899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 b85d 0000 bc6a 0000 b85e 003a c53f fbf7 0000 0310 fe9d 0000 0000
f858 007e 0000 5147 06b9 09a7 5150 06b8 0000 16bd 2769 07ac 00cf 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09a7 0015 003c 003c 003c 0028 0068 0000
0000 0000 0000 0000 0000 0026 0001 0000 0000 0000 00b0 0000 0037 00e1 00cf 0041
0000 0044 0000 01bb 0036 00bd 0000 0000 0000 0000 0000 0000 0000 020c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5032 3841 0000 0000 504f 4300 5656 5600 2020 2020 2020 2020
2020 0000 4e38 3435 3152 0000 0000 0036 3633 0000 0058 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
01:04:11.980	13	24.03	1531	135	3				98.02	141.23	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:12.210	Radar Report Msg	0b01 001c 003a c6cc 1881 234f 0c04 17ec 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	4.19	1528	134	4					87.75	158.53	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c6cc 15f0 27a2 0218 17e0 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	28.41	1603	141	3					97.48	136.02	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c6cc 185f 2201 0e34 190c 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:12.310	590	2	4624	-18	-103				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES

+33.89 -15.45 114 37.23 1303 115 37.25 114.63 138.31 104 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
190	+3029	+2900	+2906	+2898	-1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:12.310	Active Track Maintenance Msg	1700 0058 0000 5a92 0000 5eaa 0000 5ad5 003a c541 fbf7 fff3 10f2 f846 0000 0000 feab f8aa 0000 5176 2540 0994 5170 2540 0144 1ca8 2294 0775 024e 0000 0000 bc6a 051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	3.94	1720	151	2			86.64		158.36	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:12.320	Radar Report Msg	0b01 001c 003a c73a 15a9 2797 01f8 1ae0 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:12.540	55	2	7230		-233	-88			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+13.38	-11.69	131	17.76	1493 131	17.76	95.75	147.16	249	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
249	+3929	+3800	+3815	+3764	-12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:12.540	Active Track Maintenance Msg	1700 0058 0000 75a2 0000 7aca 0000 773c 003a c616 fbf7 ff9d 06b1 fa28 0000 0000
		ef6b f9ae fffc 5d51 11c2 0e98 5d40 11c4 0000 17f0 24ca 11bf 0037 0000 0000 0000
		051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:12.540	155	2	3275		+96	+165			RADAR-ONLY: NO

FIRMNESS: 27

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
+28.04	-21.67	127	35.38	1454 128	35.43	107.39	133.78	191	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
30	+5029	+4900	+4900	+4900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 9920 0000 9d2a 0000 9920 003a c5ea fbf7 0000 0e05 f52a 0000 0000
06e0 0bc9 0000 5ae1 236e 06bd 5ad0 2370 0000 1ad9 2172 0da5 009b 0000 0000 0000
071f 1b00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:12.540	561	2	4745		-159	+111			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+15.84	-16.79	136	23.03	1554 137	23.08	96.83	141.61	194	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
305	+5129	+5000	+5000	+4901	-21	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 9928 0000 a04a 0000 9c47 003a c65d fbf7 ff54 07eb f79b 0000 0000
f4ad 07f1 0000 6121 1714 09e5 6130 1714 0000 1835 2367 0dd4 0231 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:12.540 278 2 4613 +250 +58 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+18.95 -20.97 137 28.23 1568 138 28.29 98.78 136.77 257 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
76 +6029 +5900 +5899 +5899 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 b859 0000 bc6a 0000 b85f 003a c66d fbf7 0000 097a f584 0000 0000
11cd 042c 0000 620a 1c4b 098b 6210 1c44 0000 18b2 2231 1248 0116 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:12.540 329 2 4657 -138 +179 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+23.50 -23.94 135 33.54 1542 136 33.54 102.42 132.75 227 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
322	+7029	+6900	+6900	+6900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 d7a0 0000 dbaa 0000 d7a0 003a c64e fbf7 0000 0bc0 f408 0000 0000 f61e 0ccb 0000 6062 218b 09af 6060 218c 0734 199b 2130 102a 0149 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:12.540	98	2	3253		+15	-175			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
+8.62	-11.73	143	14.49	1635 144	14.58	91.13	148.31	175	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
175	+4229	+4100	+4118	+3964	-33	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:12.540	Active Track Maintenance Msg	1700 0058 0000 7be0 0000 842a 0000 80b1 003a c6b7 fbf7 fef4 044f fa22 0000 0000 011c f38a 0000 6633 0e95 06ab 6630 0e90 0000 16c8 2514 0c83 0062 0000 0000 0000 081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:12.540	7	2	1275		-3	-8			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+41.63	-14.47	109	44.05	1241 109	44.07	122.34	137.33	9	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
203	+0	+0	+0	+0	+0	00000	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 0000 0000 0000 0000 0000 003a c4fd 0000 0000 14d1 f8c4 0000 0000
ffbe ff67 0000 4d9f 2c11 02bd 4da0 2c14 0000 1e96 2255 00a7 0007 0000 0000 0000
0000 2600 0203 1000 0300 0100 0000 0001 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:12.310	15	18.88	1748	154	6		89.58		143.42	6		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:12.550	Radar Report Msg	0b01 001c 003a c7bc 1665 23db 0970 1b50 0206 0600 0004 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		27.09	1744	153	6		91.41		135.39	6		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c7bc 16da 21d9 0d8c 1b40 0206 0600 0004 0302 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.03	1763	155	1				86.63	157.16	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c7bc 15a8 274a 0284 1b8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
4.09	1784	157	3				86.33	158.13	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c7bc 1595 2788 020c 1be0 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
21.88	1800	158	5				88.47	140.19	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:12.580	Radar Report Msg	0b01 001c 003a c82a 161e 230c 0af0 1c20 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
4.13	1811	159	4				86.17	158.06	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a c82a 158b 2784 0210 1c4c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
	9.88	1893	166	5						85.58		152.09	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c82a 1565 2606 04f0 1d94 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
	4.09	1852	163	2						85.94		158.08	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c82a 157c 2785 020c 1cf0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
6.16	1885	166	2		85.73		155.89	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c82a 156f 26f9 0314 1d74 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
3.94	1861	164	3		85.88		158.25	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c82a 1578 2790 01f8 1d14 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
4.53	1891	166	1		85.70		157.61	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c82a 156d 2767 0244 1d8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
4.19	1977	174	2		85.20		158.02	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a c82a 154d 2781 0218 1ee4 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:12.650	530	2	4643		-266	+193			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+20.56	-42.45	154	47.16	1754 154	47.16	94.88	115.69	328	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
306	+20000	+20000	+20000	+20000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:12.650	Active Track Maintenance Msg	1700 0058 0002 7100 0002 7100 0002 7100 003a c73d 0000 0000 0a48 eac7 0000 0000 ed13 0dc2 0000 6da5 2f2a 09a3 6da0 2f2c 003a 17b8 1cec 1765 0212 0000 0000 35c2 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:12.650	406	2		4622	-152	+0			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+10.68	-21.95	154	24.38	1752 154	24.40	90.53	137.91	152	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
270	+3929	+3800	+3818	+3818	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 7752 0000 7aca 0000 7752 003a c73c fbf7 0000 0557 f506 0000 0000 f528 0008 0000 6d8c 1867 0992 6d90 186c 5858 16a2 227a 0ad8 0196 0000 0000 0b04 041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:12.650	176	2		4772	+158	+49			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+4.80	-10.11	154	11.13	1759 155	11.20	87.86	150.86	166	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
72	+4329	+4200	+4159	+4089	-15	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 7fcc 0000 874a 0000 81fd 003a c742 fbf7 ff87 0267 faf2 0000 0000
0b46 0386 0000 6df5 0b34 09fa 6df0 0b34 0000 15f7 25b7 0bcf 00b0 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:12.650	160	2	4645		+252	+268			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9
+4.52	-12.27	159	13.05	1817 160	13.09	87.02	149.05	368	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
43	+15129	+15000	+15021	+15371	+75	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 e059 0001 d8ca 0001 d56f 003a c785 fbf7 025d 0242 f9de 0000 0000
		11f0 131d 0000 7190 0d16 09a5 71a0 0d14 0000 15c1 2543 1a36 00a0 0000 0000 0000
		091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:12.650	328	2	6655		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+19.04	-21.73	138	28.83	1578 139	28.89	98.64	135.98	144	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1129	+1000	+0	+1129	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:12.650	Active Track Maintenance Msg	1700 0058 0000 234a 0000 234a 0000 0000 0000 0000 fbf7 0000 0985 f523 0000 0000
		0000 0000 0000 62ae 1ce3 0dad 62ae 1ce3 0000 18a9 21ff 0a42 0148 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:12.420	16	0.39	2031	179	7	4725-0	000-16	000	85.70	161.58	7	W		RB	0

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Beacon Report Msg	0b02 002c 003a c88e 0000 0000 0000 09d5 156d 2865 0032 1fbc 0207 0700 0310 0000
		7f00 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.16	2004	176	2			85.05	158.08	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:12.660	Radar Report Msg	0b01 001c 003a c88e 1543 2785 0214 1f50 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.41	1978	174	1			85.16	157.78	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c88e 154a 2772 0234 1ee8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
18.41	1962	172	3				83.50	143.64	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c88e 14e0 23e9 0934 1ea8 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:12.870	310	2	1051		+445	+100			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+8.84	-31.37	164	32.53	1870 164	32.58	86.38	129.47	456	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC WINDOW
77	+22600	+22600	+22634	+22803	+36	+0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:12.870	Active Track Maintenance Msg	1700 0058 0002 c89c 0002 c240 0002 c353 003a c7be 0000 0125 046b f051 0000 0000 1fa5 072b 0000 74e0 2095 0229 74d0 2098 003a 1598 205e 2073 0136 0000 0000 3df8 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:12.540	17	54.84	2108	185	4		67.06	110.33	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:12.870	Radar Report Msg	0b01 001c 003a c956 10c4 1b95 1b6c 20f0 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	20.16	2147	189	3			77.80	143.39	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c956 1373 23d9 0a14 218c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	13.53	2195	193	3			79.55	149.94	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a c960 13e3 257c 06c4 224c 0203 0300 0004 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:13.090	319	2	4725		+112	+23			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: NO
+0.01	-0.38	180	0.38	2010 177	0.39	85.69	161.47	115	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
78	-129	+522	+472	-10	+0		11110

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:13.090	Active Track Maintenance Msg	1700 0058 0000 0ec6 0000 0000 0000 1057 003a c874 fbf7 ffaa 0001 ffcf 0000 0000
		0807 01ab 0000 7da9 0063 09d5 7ef0 0064 5858 156c 285e 0833 013f 0000 0000 1134
		031e 2600 0203 1000 0300 0100 0000 0001 0000 0000 0000 0101

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:13.090	449	2	7242		-315	+145			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-2.17	-32.92	183	32.94	2090 184	33.00	75.47	130.95	347	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
294	+33000	+33000	+33019	+33026	+1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0004 0811 0004 0740 0004 07d8 003a c8b8 0000 000d feea ef8a 0000 0000
e990 0a51 0000 82ad 2100 0ea2 7fff 2100 1e60 12de 20bd 18b2 01c1 0000 0000 0000
041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:12.870	19	4.44	2219	195	1		83.72	158.25	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:13.090	Radar Report Msg	0b01 001c 003a ca46 14ee 2790 0238 22ac 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		4.47	2243	197	3		83.58	158.30	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a ca46 14e5 2793 023c 230c 0203 0300 0003 0003 1d00 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:13.190 219 2 1060 -401 -129 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 6
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-1.66 -18.24 185 18.26 2107 185 18.33 79.84 145.44 421 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
252 +35000 +35000 +34999 +34990 -1 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:04:13.190 Active Track Maintenance Msg 1700 0058 0004 4576 0004 45c0 0004 45ba 003a c8ca 0000 fff2 ff2c f6e1 0000 0000
e374 f6d0 0000 83bf 1255 0230 7fff 1254 0000 13f6 245c 1dfd 00db 0000 0000 0000
061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:13.190 580 2 4614 -45 +61 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-0.47 -17.95 181 17.94 2065 182 17.95 80.78 144.61 76 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
323 +4929 +4800 +4772 +4818 +10 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 9696 0000 9a0a 0000 9524 003a c89b fbf7 0051 ffc4 f707 0000 0000
fcc9 0462 0000 8119 11f2 098c 7fff 11f4 0000 1432 2427 0570 0244 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:13.190	49	2	6311		+354	-90			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-8.54	-44.71	190	45.49	2170 191	45.50	66.20	120.80	365	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
104	+10229	+10100	+10095	+9961	-29	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 374a 0001 3faa 0001 3b7d 003a c912 fbf7 ff18 fbbb e9a5 0000 0000
1930 f997 0000 87a1 2d81 0cc9 7fff 2d84 0002 108d 1e33 19fe 0031 0000 0000 3283
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:13.190 248 2 0772 +0 +0 RADAR-ONLY: NO
FIRMNESS: 7
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 3
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+59.73 -0.73 90 59.69 1032 91 59.73 143.30 146.02 0 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
0 +16029 +15900 +15900 +15900 +0 +0 00001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 f0e0 0001 f4ea 0001 f0e0 003a c411 fbf7 0000 1ddd ffa2 0000 0000
0000 0000 0000 4080 3bbc 01fa 4080 3bbc 0102 23d3 2481 0000 00f8 0000 0000 0002
0301 0700 0203 1000 0303 0100 0000 0100 0001 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:13.310 361 2 1022 -218 -91 RADAR-ONLY: NO
FIRMNESS: 37
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 7
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-4.38 -17.70 193 18.22 2203 194 18.18 77.06 145.84 236 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
247	+4029	+3900	+3924	+4088	+35	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:13.310	Active Track Maintenance Msg	1700 0058 0000 7fc1 0000 7dea 0000 7aa6 003a c939 fbf7 0118 fdd0 f726 0000 0000 f077 f980 ffff 89b6 122f 0212 7fff 123c 0106 1344 2476 10d7 0169 0000 0000 0700 071f 2500 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:13.310	379	2	6312		+267	-6			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-4.87	-12.51	201	13.39	2288 201	13.40	77.92	151.03	267	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
91	+8229	+8100	+8081	+7943	-29	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 f83a 0001 012a 0000 fc8a 003a c998 fbf7 ff12 fd91 f9bf 0000 0000
		1304 ff85 0000 8f05 0d66 0cca 7fff 0d6c 0000 137b 25c2 1305 017b 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:12.990	20	12.81	2483	218	4		75.63	154.17	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:13.310	Radar Report Msg	0b01 001c 003a cad2 12e8 268b 0668 26cc 0204 0400 0004 0101 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	5.56	2531	222	1			81.30	158.95	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a cad2 1453 27bd 02c8 278c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	5.56	2506	220	1			81.41	158.78	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a cad2 145a 27b2 02c8 2728 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:13.550	173	2	6307		+514	-227			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-9.59	-13.27	215	16.34	2457 216	16.39	73.81	152.00	562	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
113	+33000	+33000	+33000	+33000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:13.550	Active Track Maintenance Msg	1700 0058 0004 0740 0004 0740 0004 0740 003a ca53 0000 0000 fb34 f95d 0000 0000 249d efd1 0000 9990 1063 0cc7 7fff 1060 a017 1274 2600 2808 00ad 0000 0000 90d8 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:13.550	8	2	1273		+7	-8			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-37.73	-33.25	228	50.26	2601 229	50.32	40.86	139.23	11	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
137	-899	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 ffff e3e1 ffff e3e1 ffff e3e1 003a caf6 0000 0000 ed23 ef60 0000 0000
0090 ff65 0000 a296 3252 02bb 7fff 324c 0001 0a37 22cf 00d4 0008 0000 0000 a016
0a1f 2603 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:13.320	22	5.97	2582	227	4		80.72		159.11	4			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:13.550	Radar Report Msg	0b01 001c 003a cb9a 142e 27c7 02fc 2858 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		8.66	2658	234	3		77.88		158.69	3			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a cb9a 1378 27ac 0454 2988 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
6.78	2634	232	4		79.75		159.17	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a cb9a 13f0 27cb 0364 2928 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
7.22	2666	234	1		79.20		159.31	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a cb9a 13cd 27d4 039c 29a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
8.91	2670	235	5		77.58		158.75	5		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a cb9a 1365 27b0 0474 29b8 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
6.03	2731	240	1		80.16		160.30	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:13.550 Radar Report Msg 0b01 001c 003a cc08 140a 2813 0304 2aac 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X NM	Y NM	STAT					
	28.72	2762	243	3				57.80	155.59	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a cc08 0e73 26e6 0e5c 2b28 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X NM	Y NM	STAT					
	8.75	2746	241	4				77.42	159.75	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:13.560	Radar Report Msg	0b01 001c 003a cc12 135b 27f0 0460 2ae8 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	29.59	2777	244	5					56.80	156.06	5		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a cc12 0e33 2704 0ecc 2b64 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	15.75	2747	241	2					70.56	158.08	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a cc12 11a4 2785 07e0 2aec 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	2.00	2795	246	5					84.61	161.64	5		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a cc12 1527 2869 0100 2bac 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	12.00	2825	248	2					73.97	160.38	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a cc12 127e 2818 0600 2c24 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
12.00	2842	250	1				73.94		160.69		1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a cc12 127c 282c 0600 2c68 0201 0100 0001 0000 1d00 0000

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:13.760	586	2	4673		+322	+4			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
-15.92	-12.07	232	19.94	2649 233	19.97	67.38	154.22	322	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
89	+10029	+9900	+9893	+9899	+1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:13.760	Active Track Maintenance Msg	1700 0058 0001 355e 0001 396a 0001 352d 003a cb2c fbf7 000b f80a f9f7 0000 0000 16e9 004c 0000 a591 13f8 09bb 7fff 13fc 0000 10d8 268e 16ea 024a 0000 0000 000c 051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:13.760	304	2	7342		-324	+150			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-30.35	-19.48	237	36.01	2701 237	36.06	51.91	150.83	357	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
294	+35000	+35000	+35000	+35001	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0004 45c8 0004 45c0 0004 45c7 003a cb65 0000 0000 f0d3 f643 0000 0000
e8e9 0ab1 0000 a8d3 240f 0ee2 7fff 2410 a012 0cfa 25b5 1972 0130 0000 0000 2540
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:13.860	591	N31F	2	0260	0260	1Y	+41	+83	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-7.50	-2.45	252	7.88	2866 252	7.89	77.91	161.38	92	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: YES

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
26	+1929	+1800	+1773	+1763	-2	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:13.860	Active Track Maintenance Msg	1700 0058 0000 371e 0000 3c4a 0000 376b 003a cc20 fbf7 fff0 fc40 fec6 0000 0000
		02f9 05e8 0000 b324 07e4 00b0 7fff 07e4 0000 137a 2858 069d 024f 0000 0000 0000
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 00b0 008a 0104 ffff ffff 003d 000e 0000
		0000 0000 0000 0000 0000 008a 008a 0000 0000 0000 0000 0000 00c9 0215 024f 015c
		0000 00b1 0000 013a 00d7 00d5 0000 0000 0000 0000 0000 0000 0000 0448 ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0000 0000 0100 0000 0001 0000
		0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0004 2020 2fff 0000 0000 0000 0000 0000 0000 0000 0000 0001 0702
		0001 0000 0000 0043 0000 0000 0000 0000 0000 0000 564e 5900 2020 2020 2020 2020
		2020 0000 4e33 3146 0000 0000 0000 0000 0000 0000 0059 0000 0000 0020 564e 5900
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:13.860	275	2		0257	+0	+0			RADAR-ONLY: NO
									FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID	FIRMNESS: 0 ALTITUDE: YES
+35.16	+1.17	88	35.14	1002	88	35.18	120.06	154.02	97	INHIBIT MSAW PROCESS:
										INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1829	+1700	+0	+1829	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:13.860	Active Track Maintenance Msg	1700 0058 0000 392a 0000 392a 0000 0000 0000 0000 fbf7 0000 1195 0096 0000 0000 0000 0000 0000 3ea4 232e 00af 3ea4 232e 0000 1e04 2681 06e8 0113 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:13.530	24	15.53	3000	264	2		70.48		164.08	2			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:13.990	Radar Report Msg	0b01 001c 003a cdac 119f 2905 07c4 2ee0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		4.47	3035	267	3		81.69		162.66	3			RT	2				

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Radar Report Msg 0b01 001c 003a cdac 146c 28aa 023c 2f6c 0203 0300 0003 0003 1d00 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:14.090 545 2 4706 -151 -43 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-23.76 -6.11 255 24.51 2907 256 24.54 61.25 161.95 157 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
254 +4029 +3900 +3900 +3900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:04:14.090 Active Track Maintenance Msg 1700 0058 0000 79e0 0000 7dea 0000 79e0 003a cc4f fbf7 0000 f41f fcf2 0000 0000
f543 fce7 0000 b5b6 188a 09c6 7fff 1888 5858 0f50 287d 0b2d 0221 0000 0000 0b5c
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: OVR
01:04:14.090 274 N8063T 2 4763 4763 1V +118 +43 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 3
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-16.88 -3.16 259 17.16 2950 259 17.16 68.67 163.05 126 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW

70 +6929 +6800 +6843 +6678 -50 -6 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 d0b1 0000 d88a 0000 d5de 003a cc7f fbf7 fe70 f790 fe6b 0000 0000
		086e 0315 ffd0 b86d 112a 09f3 7fff 112c 5858 112b 28c3 08fa 0112 0000 0000 0060
		031f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09f3 0005 0032 ffff 0032 002c 022a 0000
0000 0000 0000 01b8 0000 0003 0015 0000 0000 0000 00ae 0000 0070 0245 0112 00cb
0000 002d 0000 0194 0133 0144 0000 0000 0000 0000 0000 0000 0000 042f ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 00ff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0036 5041 3332 0000 0000 4f58 5200 4844 4600 2020 2020 2020 2020
2020 0000 4e38 3036 3354 0000 0000 0030 3030 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:14.090 87 CPF420 2 4664 4664 1X +92 -65 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-4.41 -0.62 262 4.41 2983 262 4.49 81.41 162.34 113 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
125 +5029 +4900 +4881 +4962 +23 +2 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 9b16 0000 9d2a 0000 988b 003a cca0 fbf7 00be fdcc ffb1 0000 0000

0690 fb4f 0015 ba78 047e 09b4 7fff 0474 1800 145a 2896 0811 0057 0000 0000 0f54
041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09b4 0015 0032 0032 0032 003c 017c 0000
0000 0000 0000 0000 0000 0001 0026 0000 0000 0000 00ed 0000 01b0 009b 0057 0201
0000 016b 0000 0010 0184 0185 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2eff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 4332 3036 0000 0000 5748 5000 544f 4100 2020 2020 2020 2020
2020 0000 4350 4634 3230 0000 0000 0035 3634 0000 0058 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:14.090 475 N6887L 2 4714 4714 1V +182 +15 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 7
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-18.30 -1.31 265 18.30 3025 266 18.34 67.77 165.19 183 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
85 +5029 +4900 +4903 +4908 +1 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 9964 0000 9d2a 0000 993b 003a ccd3 fbf7 0009 f6da ff58 0000 0000
0cf9 0116 0000 bd19 1258 09cc 7fff 1258 0207 10f1 294c 0d04 01db 0000 0000 0000
071f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0004 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 2000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09cc 0005 0000 ffff 0032 0038 0253 0000
0000 0000 0000 00ec 0000 0003 0003 0000 0000 0000 00f2 0000 0014 0138 01db 00c3
0000 01aa 0000 0062 0054 01c9 0000 0000 0000 0000 0000 0000 0000 025c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 1dff 0600 0000 0000 0000 0000 0100 0201 0000 0001 0001 0102
0001 0000 0000 0036 4334 3231 0000 0000 4f58 5200 4343 4200 2020 2020 2020 2020
2020 0000 4e36 3838 374c 0000 0000 0037 3937 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:14.090	297	2	1056	-16	+93				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-41.19	-1.90	267	41.23	3042 267	41.23	45.47	170.44	94	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
350	+6229	+6100	+6067	+6140	+16	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:14.090	Active Track Maintenance Msg	1700 0058 0000 bfe6 0000 c2aa 0000 bd9e 003a cce6 fbf7 0080 eb68 ff0d 0000 0000 fed2 06a0 0000 be2c 293a 022e 7fff 293c 0001 0b5e 2a9c 06ba 0129 0000 0000 ce2e 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:14.090	9	2	1275		+0	-4			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-12.52	-11.00	228	16.65	2600 229	16.67	70.88	154.38	4	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
191	-470	-599	-599	-599	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 ffff ed41 ffff f14b ffff ed41 003a caf7 fbf7 0000 f9bd fa80 0000 0000 fff0 ffad 0000 a28d 10ab 02bd 7fff 10ac 128a 11b8 2698 0055 0009 0000 0000 0103 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:13.870	26	6.81	3090	272	5		79.42	163.69	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:14.100	Radar Report Msg	0b01 001c 003a cdca 13db 28ec 0368 3048 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	13.75	3120	274	4			72.84	166.25	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a cdca 1236 2990 06e0 30c0 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	13.28	3132	275	2					73.38		166.33		2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a cdca 1258 2995 06a4 30f0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	29.22	3226	284	3					60.06		175.63		3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:14.110	Radar Report Msg	0b01 001c 003a ce24 0f04 2be8 0e9c 3268 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	29.91	3179	279	3			58.52	174.02	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a ce24 0ea1 2b81 0ef4 31ac 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	9.09	3258	286	1			78.09	166.44	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a ce24 1386 299c 048c 32e8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.13	3244	285	4			77.09	166.80	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:14.120	Radar Report Msg	0b01 001c 003a ce2e 1346 29b3 0510 32b0 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	13.91	3280	288	2			74.19	169.34	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a ce2e 128c 2a56 06f4 3340 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
10.00	3253	286	2				77.27	166.84	2		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a ce2e 1351 29b6 0500 32d4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
14.09	3291	289	2				74.16	169.64	2		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a ce2e 128a 2a69 070c 336c 0202 0200 0001 0103 1d00 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:14.200 424 2 7234 +0 +0 RADAR-ONLY: NO
FIRMNESS: 63
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 0
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-1.65 -16.63 185 16.70 2112 186 16.70 79.94 146.19 180 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
0 +2229 +2100 +0 +2229 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:04:14.200 Active Track Maintenance Msg 1700 0058 0000 45aa 0000 45aa 0000 0000 0000 0000 fbf7 0000 ff2d f7b0 0000 0000
0000 0000 0000 8406 10b4 0e9c 8406 10b4 0000 13fc 248c 0cdc 01a8 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:14.420 362 2 0006 +248 -355 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 7
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-26.18 +0.68 271 26.13 3087 271 26.13 60.73 169.09 433 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
145 +15729 +15600 +15625 +15586 -8 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

01:04:14.420 Active Track Maintenance Msg 1700 0058 0001 e716 0001 eb8a 0001 e84e 003a cd1b fbf7 ffb9 f2e9 0057 0000 0000
11ac e6b5 ffff c0f9 1a21 0006 7fff 1a30 003a 0f2f 2a46 1edb 016a 0000 0000 0500
071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:14.190	28	7.03	3322	292	5		80.28		165.92	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:14.420	Radar Report Msg	0b01 001c 003a cf1e 1412 297b 0384 33e8 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		4.88	3302	290	5		82.00		164.45	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a cf1e 1480 291d 0270 3398 0205 0500 0003 0102 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.13	3427	301	4				80.94	166.81	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a cf1e 143c 29b4 0390 358c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
27.59	3411	300	3				66.11	181.13	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:14.420	Radar Report Msg	0b01 001c 003a cf32 1087 2d48 0dcc 354c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.00	3431	302	2				81.06	166.75	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a cf32 1444 29b0 0380 359c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.31	3421	301	4				80.75	166.91	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a cf32 1430 29ba 03a8 3574 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT			
	43.41	3445	303	4				56.45		193.78	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a cf32 0e1d 3072 15b4 35d4 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT			
	9.25	3479	306	2				79.97		168.84	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a cf32 13fe 2a36 04a0 365c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	1.63	3571	314	0			85.20	162.77	0		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:14.430	Radar Report Msg	0b01 001c 003a cf6e 154d 28b1 00d0 37cc 0200 0000 0000 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	47.59	3595	316	4			62.45	203.28	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a cf6e 0f9d 32d2 17cc 382c 0204 0400 0005 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:14.540	84	N774CS	2	3376	3376	1W	+144	-159	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-21.37	+4.77	282	21.83	3216 283	21.89	66.36	171.83	215	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: YES

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
138	+9829	+9700	+9737	+9700	-8	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:14.540	Active Track Maintenance Msg	1700 0058 0001 2f23 0001 332a 0001 304f 003a cda8 fbf7 ffbf f551 0262 0000 0000

0a41 f4a1 0000 c90c 15e4 06fe 7fff 15e4 0003 1097 2af5 0f50 0054 0000 0000 0100
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 06fe 0003 012c ffff f830 0037 01ab 0000
0000 0000 0000 015e 0000 0007 002e 0000 0000 0000 00a9 0000 0215 0249 0054 0250
0000 0149 0000 0213 0091 014a 0000 0000 0000 0000 0000 0000 0000 03cb ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2056 2eff 0000 0000 0000 0000 0000 0101 0003 0000 0001 0001 0502
0001 0000 0000 0043 4332 3130 0000 0000 5341 3900 544f 4100 2020 2020 2020 2020
2020 0000 4e37 3734 4353 0000 0000 0036 3032 0000 0057 0000 0000 0020 0000 004f
4646 5620 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:14.540 194 DDA77 2 4043 4043 0 +359 -325 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-42.30 +16.68 291 45.40 3317 292 45.41 49.17 188.64 484 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
132 +17700 +17700 +17725 +17246 -111 -3 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0002 1af6 0002 2920 0002 29e8 003a ce1b 0000 fc81 eada 0857 0000 0000
198b e8d5 ffe5 cf55 2d69 0823 7fff 2d78 0000 0c4b 2f29 227c 00c2 0000 0000 0000
041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0823 0000 0136 ffff 0172 003f 0204 0000
0000 0000 0000 0001 0007 0007 0007 0000 0000 0000 00ab 0000 0090 00b2 00c2 0000
0000 0000 0000 00c8 0155 0189 0000 0000 0000 0000 0000 0000 0000 023d ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000 0100 0000
0100 0000 0001 0000 0001 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0005 2000 2fff 0000 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0102
0001 0000 0000 0043 4c4a 3335 0000 0000 4649 4d00 564e 5900 2020 2020 2020 2020
2020 0000 4444 4137 3700 0000 0000 0033 3535 0000 0000 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:14.310	29	4.94	3686	324	2				84.06	166.17	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:14.560	Radar Report Msg	0b01 001c 003a cff0 1504 298b 0278 3998 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		5.44	3667	322	1				83.73	166.61	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a cff0 14ef 29a7 02b8 394c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	5.28	3673	323	2			83.84	166.47	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a cff0 14f6 299e 02a4 3964 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:14.650	400	2	4675				-194	-54	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-42.64	+32.75	307	53.75	3498 308	53.74	52.86	204.28	202	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
254	+14029	+13900	+13900	+13900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:14.650	Active Track Maintenance Msg	1700 0058 0001 b260 0001 b66a 0001 b260 003a cee8 fbf7 0000 eaae 1060 0000 0000 f227 fc21 0000 daab 35be 09bd 7fff 35c4 003a 0d37 3312 0e61 0190 0000 0000 e7d5 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:14.650	51	2	1331				-200	+277	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10

X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-25.91 +19.52 307 32.40 3493 307 32.42 65.91 186.98 342 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
324 +31000 +31000 +31000 +31000 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0003 c8c0 0003 c8c0 0003 c8c0 003a cee1 0000 0000 f30c 09c3 0000 0000 f1c0 13bb 0000 da5a 206b 02d9 7fff 2070 0001 107a 2ebf 1857 0033 0000 0000 6358 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:14.650	384	2	1200		+105	+46			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-34.08	-1.14	268	34.08	3050 268	34.09	52.55	169.36	115	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
66	+5629	+5500	+5500	+5500	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 abe0 0000 afea 0000 abe0 003a ccef fbf7 0000 eef6 ff6e 0000 0000 077f 034d 0000 beac 2217 0280 7fff 2218 0000 0d23 2a57 0831 0180 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:14.430	30	4.72	3706	326	1		84.28	166.00	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:14.650	Radar Report Msg	0b01 001c 003a d05e 1512 2980 025c 39e8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	7.03	3851	338	5			84.95	168.63	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d05e 153d 2a28 0384 3c2c 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:14.750	56	2	4752		-127	+183			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-28.52	+23.18	309	36.70	3518 309	36.76	64.09	191.44	223	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
325	+12029	+11900	+11900	+11900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:14.750	Active Track Maintenance Msg	1700 0058 0001 73e0 0001 77ea 0001 73e0 003a cefc fbf7 0000 f1be 0b97 0000 0000
		f6eb 0d13 0000 dbe1 24c2 09ea 7fff 24c0 22f9 1006 2fdc 0feb 0038 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:14.750 392 2 7304 -252 +271 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-27.55 +23.70 310 36.29 3534 311 36.32 65.23 191.58 370 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
317 +23500 +23500 +23512 +23651 +29 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0002 e31c 0002 de60 0002 dec1 003a cf10 0000 00e9 f239 0bd9 0000 0000
ee0e 1348 fffd dcee 2452 0ec4 7fff 2458 a006 104f 2fe5 1a57 0188 0000 0000 0000
051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:14.750 322 N900RL 2 3601 3601 1F +49 -224 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 3
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-10.01 +10.45 316 14.45 3596 316 14.45 78.75 174.45 229 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
167 +6729 +6600 +6550 +6459 -19 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 c9da 0000 d24a 0000 ccb0 003a cf57 fbf7 ff64 faff 0539 0000 0000
038a f00a 0000 e0cc 0e73 0781 7fff 0e78 1d00 13b0 2b9d 1059 0142 0000 0000 4620
031f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0781 0001 0122 ffff 01c2 0037 01b6 0000
0000 0000 0000 00ba 0000 0001 008a 0000 0000 0000 008f 0000 012b 00a5 0142 009b
0000 01c6 0000 01cb 000c 020d 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0100 0000 0000 0000 0000 0100 0003 0000 0001 0001 0702
0001 0000 0000 0031 474c 4634 0000 0000 504d 4400 5656 5600 2020 2020 2020 2020
2020 0000 4e39 3030 524c 0000 0000 0035 3736 0000 0046 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:04:14.750	74	N40905	2	6701	6701	0	-53	+64	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3
-9.45	+16.08	329	18.63	3749 330	18.65	80.73	179.73	83	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
320	+10129	+10000	+9950	+9965	+3	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:14.750	Active Track Maintenance Msg	1700 0058 0001 376f 0001 3c8a 0001 36f0 003a d002 fbf7 001f fb47 080a 0000 0000
		fc38 0499 0001 ea55 12a6 0dc1 7fff 12a8 2a53 142f 2cef 05f4 004a 0000 0000 0740
		031f 2600 0201 1000 0303 0100 0000 0000 0000 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0dc1 0000 0064 0064 0064 058a 0094 0000
		0000 0000 0000 0000 0000 0058 0005 0000 0000 0000 029c 0000 01cc 012f 004a 01c6
		0000 0213 0000 0001 0134 005a 0000 0000 0000 0000 0000 0000 0000 00dc ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
		0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 9900 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
		0001 0000 0000 0043 5032 3852 0000 0000 4d59 4600 4c48 5300 2020 2020 2020 2020
		2020 0000 4e34 3039 3035 0000 0000 0035 3837 0000 0000 0000 0000 0020 0000 0056
		3539 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:14.750	59	2	4603	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+51.58	+9.43	79	52.41	906 80	52.43	137.94	157.83	322	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+20400	+20400	+0	+20400	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:14.750	Active Track Maintenance Msg	1700 0058 0002 7d80 0002 7d80 0000 0000 0000 0000 0000 0000 19ca 04b7 0000 0000 0000 0000 0000 38a1 346e 0983 38a1 346e 0000 227c 2775 16f8 003b 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:14.530	31	1.78	3847	338	0		85.61		163.02	0					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:14.760	Radar Report Msg	0b01 001c 003a d0c2 1567 28c1 00e4 3c1c 0200 0000 0000 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		6.41	3880	341	2		85.30		168.02	2					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d0c2 1553 2a01 0334 3ca0 0202 0200 0001 0103 1d00 0000

END TIME	START TIME	TARGET REPORTS: LIVE SIMULATED		VALID MODE-C:	0
01:04:14.770	01:04:10.120	RADAR-ONLY	116 0		0.0%
SENSOR = 2		BEACON-ONLY	0 0		
		RADAR & BEACON	0 0	VALID MODE-3/A:	0
		TOTAL	116 0		0.0%

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:15.090	Sensor Sector Mark Msg	1715 000c 003a d1b2 0000 0200

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:14.880	1	36.72	3971	349	4		88.13		198.42	4					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:15.100 Radar Report Msg 0b01 001c 003a d1a8 1608 319b 125c 3e0c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	8.63	3977	350	2			86.39	170.28	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d1a8 1599 2a92 0450 3e24 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	11.09	4051	356	1			87.81	172.61	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d1a8 15f4 2b27 058c 3f4c 0201 0100 0001 0000 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	8.88	22	2	4			88.27		170.19	4			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:15.100	Radar Report Msg	0b01 001c 003a d220 1611 2a8c 0470 0058 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	9.09	49	4	3			88.67		170.30	3			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d220 162b 2a93 048c 00c4 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.81	22	2	2			87.36		167.17	2			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d220 15d7 29cb 02e8 0058 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.81	50	4	3			87.59		167.11	3			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a d220 15e6 29c7 02e8 00c8 0203 0300 0001 0203 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:15.190	358	2	7303		+128	+311			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-1.54	+15.88	354	15.95	4029 354	15.95	88.27	177.36	336	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
22	+17329	+17200	+17170	+17491	+79	+4	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:15.190	Active Track Maintenance Msg	1700 0058 0002 229f 0002 1d8a 0002 1897 003a d141 fbf7 0279 ff3b 07f0 0000 0000
		0927 161e 0021 fbd0 0ff3 0ec3 7fff 0ff4 0000 1611 2c57 17f0 0166 0000 0000 0000
		041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:15.190	Delete Track Msg	1704 0008 0214 0210

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:14.980	2	6.13	138	12	1				88.42	167.11	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:15.200	Radar Report Msg	0b01 001c 003a d284 161b 29c7 0310 0228 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.34	195	17	1					91.14	170.52	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d284 16c9 2aa1 052c 030c 0201 0100 0001 0000 1d00 0000
01:04:15.320	Delete Track Msg	1704 0008 003f 0710

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:15.410	491		2	2734		+0	+0		RADAR-ONLY: NO
									FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0
+32.52	-20.62	122	38.46	1392 122	38.50	111.95	133.63	132	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW

0 +1429 +1300 +0 +1429 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:15.410	Active Track Maintenance Msg	1700 0058 0000 2caa 0000 2caa 0000 0000 0000 0000 fbf7 0000 1042 f5b1 0000 0000
		0000 0000 0000 5706 2680 05dc 5706 2680 0000 1bfd 2168 096c 01eb 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:15.550	460	EJA631	2	4757	4757	0	-279	-144	RADAR-ONLY: NO

FIRMNESS: 30

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3
+5.72	+27.20	11	27.77	135 12	27.78	98.16	186.64	314	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
242	+12929	+12800	+12781	+12581	-43	+0	10011

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:15.550	Active Track Maintenance Msg	1700 0058 0001 892a 0001 940a 0001 8f6a 003a d249 fbf7 fea6 02dc 0d9a 0000 0000
		ec21 f5c2 0000 087f 1bc7 09ef 0870 1bcc 0001 188a 2ea9 165b 01cc 0000 0000 1148
		0313 1e00 0201 1000 0303 0100 0000 0000 0000 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09ef 0000 0172 ffff ffff 003c 026d 0000
		0000 0000 0000 0001 0001 0001 0001 0000 0000 0000 009a 0000 003e 01bd 01cc 01a5
		0000 01e5 0000 01c8 005b 0124 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
		0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 2fff 0100 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0702
		0001 0000 0000 0031 4335 3658 0000 0000 504d 4400 564e 5900 2020 2020 2020 2020
		2020 0000 454a 4136 3331 0000 0000 0039 3135 0000 0000 0000 0000 0020 0000 0000
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:15.320	4	10.69	259	23	1		92.19		170.22	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:15.550	Radar Report Msg	0b01 001c 003a d374 170c 2a8e 0558 040c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		1.03	393	35	0		86.28		162.28	0		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:15.550	Radar Report Msg	0b01 001c 003a d3c4 1592 2892 0084 0624 0200 0000 0000 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM STAT	SYSTEM COR	SYSTEM	PROC STR	SC	TYP	SYS
	7.22	467	41	1			91.58	165.80	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:15.660	Radar Report Msg	0b01 001c 003a d446 16e5 2973 039c 074c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM STAT	SYSTEM COR	SYSTEM	PROC STR	SC	TYP	SYS
	7.25	489	43	2			91.73	165.61	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d446 16ef 2967 03a0 07a4 0202 0200 0001 0103 1d00 0000
01:04:15.990	Delete Track Msg	1704 0008 00a8 0310

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:15.880	8	3.66	699	61	4		88.94	162.63	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:16.100	Radar Report Msg	0b01 001c 003a d590 163c 28a8 01d4 0aec 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		4.03	731	64	7		89.39	162.55	7			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d590 1659 28a3 0204 0b6c 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		3.53	731	64	1		88.84	162.44	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d590 1636 289c 01c4 0b6c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS

| | | |

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:16.120	Radar Report Msg	0b01 001c 003a d612 1e14 288a 114c 0d4c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.28	973	86	4					90.70		160.94	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:16.210	Radar Report Msg	0b01 001c 003a d676 16ad 283c 02a4 0f34 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	11.66	1075	94	3					96.66		158.05	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d676 182a 2783 05d4 10cc 0203 0300 0004 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	29.78	1118	98	7					113.14		150.25	7		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d676 1c49 2590 0ee4 1178 0207 0700 0003 0302 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:

01:04:16.430 101 2 3507 +0 +0 RADAR-ONLY: NO
FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+24.97	-27.17	137	36.84	1563 137	36.90	102.98	129.22	219	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:16.430	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0c7c f26a 0000 0000 0000 0000 0000 61b8 24e6 0747 61b8 24e6 0000 19bf 204e 0f96 0065 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:16.430	6	2	1274	-2	+0				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+37.57	+17.84	64	41.57	735 65	41.57	126.63	169.58	2	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
249	-770	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:16.430	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e7eb ffff e3e1 003a d4ec fbf7 0000 12c9 08eb 0000 0000
		ffd9 fff1 0000 2df1 2993 02bc 2df0 2998 0001 1fa8 2a65 0029 0006 0000 0000 0100
		0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:16.080	9	7.34	1155	102	1		92.19	158.67	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:16.430	Radar Report Msg	0b01 001c 003a d6ee 170c 27ab 03ac 120c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
		7.66	1170	103	4		92.39	158.38	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d6ee 1719 2798 03d4 1248 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	2.91	1147	101	0			87.94	160.80	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d6ee 15fc 2833 0174 11ec 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	14.59	1155	102	1			98.78	155.44	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d6ee 18b2 26dc 074c 120c 0201 0100 0002 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
2.91	1123	99	0				87.97	160.88	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d6ee 15fe 2838 0174 118c 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
40.78	1155	102	1				122.31	143.86	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d6ee 1e94 23f7 1464 120c 0201 0100 0002 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.50	1172	103	4				92.25	158.44	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d6ee 1710 279c 03c0 1250 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
29.97	1226	108	3				111.02	145.80	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a d6ee 1bc1 2473 0efc 1328 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:16.530	523	2	0646		-229	-82			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+40.45	-1.24	91	40.45	1044	92	40.46	124.53	150.41	243 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
250	+12729	+12600	+12605	+12547	-12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:16.530	Active Track Maintenance Msg	1700 0058 0001 8818 0001 8dca 0001 89ef 003a d648 fbf7 ff9b 143a ff61 0000 0000
		efb7 fa1f 0000 414a 2876 01a6 4140 2878 143c 1f22 259a 1150 020b 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:16.210	10	5.25	1269	112	2		89.80	158.89	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:16.540	Radar Report Msg	0b01 001c 003a d7a2 1673 27b9 02a0 13d4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		3.03	1171	103	1		88.03	160.64	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d7a2 1602 2829 0184 124c 0201 0100 0002 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		6.31	1234	108	3		90.88	158.50	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d7a2 16b8 27a0 0328 1348 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		10.72	1258	111	7		94.42	155.72	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg	0b01 001c 003a d7a2 179b 26ee 055c 13a8 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
52.03	1211	106	1			130.27		134.97		1		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d7a2 2091 21be 1a04 12ec 0201 0100 0002 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:16.650	527	2	4676		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+23.79	-26.83	138	35.82	1575 138	35.86	101.94	129.84	94	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1929	+1800	+0	+1929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:16.650	Active Track Maintenance Msg	1700 0058 0000 3c4a 0000 3c4a 0000 0000 0000 0000 fbf7 0000 0be5 f296 0000 0000 0000 0000 0000 0000 6271 23db 09be 6271 23db 0000 197c 2076 06b8 020f 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:04:16.650	Delete Track Msg	1704 0008 0021 0910

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:16.420	11	54.53	1301	114	4		128.09	127.53	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:16.650	Radar Report Msg	0b01 001c 003a d7c0 2006 1fe2 1b44 1454 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	21.97	1308	115	7			102.63	147.86	7			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d7c0 19a8 24f7 0afc 1470 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	35.31	1345	118	6			111.59	137.83	6			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d7c0 1be6 2275 11a8 1504 0206 0600 0004 0302 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: DEP
01:04:16.750 394 N121NA 2 1320 1320 1V -125 +3 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 6
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+18.09 -3.11 99 18.32 1135 100 18.36 102.47 154.25 125 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
271 +6029 +5900 +5900 +5906 +1 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:04:16.750 Active Track Maintenance Msg 1700 0058 0000 b894 0000 bc6a 0000 b864 003a d6ae fbf7 000a 090c fe72 0000 0000
f714 0043 0000 46f8 125c 02d0 46f0 125c 0000 199e 2690 08ed 018a 0000 0000 0000
061f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 02d0 0005 003c 003c 003c 0000 023d 0000
0000 0000 0000 0000 0000 0024 0003 0000 0000 0000 02db 0000 001a 015e 018a 0099
018b 0027 0000 0113 0248 0168 0000 0000 0000 0000 0000 0000 0000 020e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 a4ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5041 3434 0000 0000 5241 4c00 5344 3800 2020 2020 2020 2020
2020 0000 4e31 3231 4e41 0000 0000 0036 3932 0000 0056 0000 0000 0020 0000 0046
3036 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:16.750 298 2 0771 -205 -83 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+27.54 -6.36 103 28.21 1171 103 28.26 110.77 148.73 222 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
248 +9329 +9200 +9166 +9106 -12 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 1c96 0001 238a 0001 1e76 003a d6d8 fbf7 ff99 0dc5 fcd2 0000 0000
f15b fa0f 0000 4938 1c43 01f9 4940 1c44 a00e 1bb1 252f 0fcd 012a 0000 0000 b466
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:16.750 519 2 1631 -159 -95 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+51.34 -9.96 101 52.27 1149 101 52.31 132.88 139.20 185 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
239 +8029 +7900 +7900 +7900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 f6e0 0000 faea 0000 f6e0 003a d6be fbf7 0000 19ab fb05 0000 0000
f4ab f937 0000 47dc 3450 0399 47d0 344c 0000 2138 22cd 0d35 0207 0000 0000 4e53
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:16.870 389 2 1654 -178 +15 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+41.75 -14.58 109 44.21 1244 109 44.28 122.44 137.17 179 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
275 +6929 +6800 +6758 +6622 -29 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

01:04:16.870 Active Track Maintenance Msg 1700 0058 0000 cef2 0000 d88a 0000 d330 003a d728 fbf7 ff16 14e0 f8b6 0000 0000
f351 011d 0001 4dcc 2c48 03ac 4db0 2c38 0000 1e9c 224b 0cbc 0185 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:16.870	339	2	2201			-178	-95		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
+47.93	-13.26	105	49.67	1200 106	49.70	128.75	136.88	202	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
242	+8129	+8000	+7994	+7894	-21	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 f6b7 0000 fe0a 0000 f9d2 003a d6f8 fbf7 ff55 17f7 f95f 0000 0000
f34b f93c 0000 4b07 31b2 0481 4b00 31bc 1da0 2030 2238 0e66 0153 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:16.870 207 N8451R 2 4647 4647 1X -107 +5 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+5.98 -2.76 114 6.54 1305 115 6.59 90.81 157.69 107 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
272 +6029 +5900 +5899 +5899 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 b85e 0000 bc6a 0000 b85e 003a d76f fbf7 0000 02fe fe9f 0000 0000
f857 005e 0000 519b 0697 09a7 51a0 0698 1440 16b4 276c 07ab 00cf 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09a7 0015 003c 003c 003c 0028 0068 0000
0000 0000 0000 0000 0000 0026 0001 0000 0000 0000 00b0 0000 0037 00e1 00cf 0041
0000 0044 0000 01bb 0036 00bd 0000 0000 0000 0000 0000 0000 0000 020c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102

0001 0000 0000 0043 5032 3841 0000 0000 504f 4300 5656 5600 2020 2020 2020 2020
2020 0000 4e38 3435 3152 0000 0000 0036 3633 0000 0058 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:16.870	590	2	4624	-17	-104				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+33.86	-15.63	114	37.25	1305 115	37.29	114.56	138.14	105	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
189	+2929	+2800	+2839	+2798	-10	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 5775 0000 5b8a 0000 58bb 003a d76f fbf7 ffae 10ee f830 0000 0000
		fec0 f892 fffc 5199 2549 0994 51a0 254c 0303 1ca4 2289 0789 024e 0000 0000 0001
		061f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:16.870	245	2	5266		+0	+0			RADAR-ONLY: NO
									FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0
+45.73	-6.43	98	46.13	1115 98	46.18	128.34	143.97	169	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+3829	+3700	+0	+3829	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:16.870	Active Track Maintenance Msg	1700 0058 0000 77aa 0000 77aa 0000 0000 0000 0000 fbf7 0000 16de fcc9 0000 0000
		0000 0000 0000 45b0 2e2f 0ab6 45b0 2e2f 0000 2016 23fe 0c06 00f5 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT COR X NM	ALT COR Y NM	SYSTEM STAT	SYSTEM PROC	STR	SC	TYP	SYS
01:04:16.620	13	37.59	1508	133	4		106.09	130.27	4	RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:16.880	Radar Report Msg	0b01 001c 003a d8b0 1a86 2091 12cc 1790 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	24.09	1534	135	7				97.95		141.13	7		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d8b0 187d 2348 0c0c 17f8 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	17.72	1529	134	5				94.83		146.70	5		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d8b0 17b5 24ad 08dc 17e4 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	23.78	1565	138	5			96.81	140.84	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d8ba 1834 2336 0be4 1874 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	28.44	1605	141	5			97.42	135.95	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d8ba 185b 21fd 0e38 1914 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:16.970	451	2	3220		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PREDICTED DEG	RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+5.23	-14.84	160	15.69	1827	161	15.73	87.05	146.16	141	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1029	+900	+0	+1029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:16.970	Active Track Maintenance Msg	1700 0058 0000 202a 0000 202a 0000 0000 0000 0000 fbf7 0000 029d f894 0000 0000

0000 0000 0000 7234 0fbc 0690 7234 0fbc 0000 15c3 248a 0a15 01c3 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

01:04:17.090 Delete Track Msg 1704 0008 0011 0110

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:17.090	155	2	3275		+90	+169			RADAR-ONLY: NO

FIRMNESS: 30

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
+28.13	-21.46	127	35.36	1449 127	35.41	107.53	133.95	192	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
28	+5029	+4900	+4900	+4900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:17.090	Active Track Maintenance Msg	1700 0058 0000 9920 0000 9d2a 0000 9920 003a d810 fbf7 0000 0e11 f545 0000 0000
		0674 0c12 0000 5a90 2368 06bd 5a90 2364 003a 1ae2 217d 0daf 009b 0000 0000 1666
		081f 1e00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:17.090	55	2	7230		-228	-93			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+13.11	-11.80	132	17.57	1503 132	17.61	95.45	147.11	246	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
247	+3829	+3700	+3725	+3646	-18	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 71f7 0000 77aa 0000 746e 003a d84b fbf7 ff70 068e fa1a 0000 0000
		efbf f95e fffe 5df1 119d 0e98 5de0 11a4 1d00 17dd 24c7 118f 0037 0000 0000 2426
		061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:17.090	561	2	4745		-151	+119			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+15.67	-16.62	136	22.77	1556 137	22.84	96.72	141.81	193	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
308	+5029	+4900	+4900	+4800	-21	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 9605 0000 9d2a 0000 9925 003a d887 fbf7 ff53 07d6 f7b1 0000 0000 f537 0881 0000 6141 16d6 09e5 6130 16d8 0b01 182e 2374 0dbc 0231 0000 0000 14d8 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:17.090	278	2	4613		+248	+48			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+19.22	-20.95	137	28.40	1562 137	28.44	99.05	136.73	253	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
79	+6029	+5900	+5899	+5898	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 b856 0000 bc6a 0000 b85c 003a d891 fbf7 0000 099c f587 0000 0000
		11af 0371 0000 61a1 1c70 098b 61c0 1c6c 0504 18c3 222f 1204 0116 0000 0000 001c
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:17.090	329	2	4657		-136	+182			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+23.33	-23.69	135	33.23	1541 135	33.25	102.33	133.03	228	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
323	+7029	+6900	+6900	+6900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 d7a0 0000 dbaa 0000 d7a0 003a d877 fbf7 0000 0baa f428 0000 0000
f649 0cfc 0000 6056 2141 09af 6050 2140 0001 1995 2142 1038 0149 0000 0000 9fa8
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:16.740	14	12.47	1696	149	4		89.22	149.97	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d964 164e 257e 063c 1a80 0204 0400 0004 0101 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.09	1785	157	4			86.31	158.11	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d96e 1594 2787 020c 1be4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	18.88	1749	154	6			89.55	143.42	6		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d96e 1663 23db 0970 1b54 0206 0600 0004 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.03	1763	155	1			86.63	157.16	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d96e 15a8 274a 0284 1b8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.13	1811	159	2			86.17	158.06	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d96e 158b 2784 0210 1c4c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:16.970	16	23.00	1820	160	5		87.91	139.00	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:17.200 Radar Report Msg 0b01 001c 003a d9e6 15fa 22c0 0b80 1c70 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.06	1861	164	3						85.88		158.11	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a d9e6 1578 2787 0208 1d14 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.53	1882	165	1						85.77		157.61	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:17.210	Radar Report Msg	0b01 001c 003a da40 1571 2767 0244 1d68 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.38	1893	166	2				85.66	155.67	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a da4a 156a 26eb 0330 1d94 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
4.06	1819	160	3				86.13	158.13	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a da4a 1588 2788 0208 1c6c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.19	1885	166	4				85.73	155.86	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a da4a 156f 26f7 0318 1d74 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
18.28	1896	167	4				85.34	143.64	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a da4a 1556 23e9 0924 1da0 0204 0400 0004 0101 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.72	1931	170	1			85.42		157.42	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a da4a 155b 275b 025c 1e2c 0201 0100 0001 0000 1d00 0000
01:04:17.310	Delete Track Msg	1704 0008 008c 0810

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:17.310	98	2	3253		-2	-176			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
+8.59	-11.97	144	14.69	1640 144	14.77	91.05	148.09	176	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
180	+4129	+4000	+3979	+3831	-32	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:17.310	Active Track Maintenance Msg	1700 0058 0000 77b9 0000 810a 0000 7c5d 003a d8e9 fbf7 ff00 044c fa04 0000 0000 ffdb f37a 0001 6686 0ec4 06ab 66a0 0ebc 0003 16c3 2506 0c86 0062 0000 0000 c1ae 091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:17.310	7	2	1275		-3	-6			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+41.66	-14.40	109	44.04	1242 109	44.07	122.39	137.38	7	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
206	+0	+0	+0	+0	+0		00000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 0000 0000 0000 0000 0000 003a d726 0000 0000 14d4 f8cd 0000 0000
ffc5 ff8a 0000 4da3 2c13 02bd 4d90 2c14 1d00 1e99 2258 0084 0007 0000 0000 25b3
0000 2600 0203 1000 0300 0100 0000 0001 0001 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:17.310	280	2			+523	+108			RADAR-ONLY: NO

FIRMNESS: 35

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: NO
+57.34	-18.37	107	60.16	1226 108	60.21	136.44	129.64	534	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
78	CST	CST	+27968	+28117	+32	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0003 6ea9 0003 6b00 0003 6a00 003a c4ef 0000 0104 1cac f6d1 0000 0000
		2532 07b4 0000 4ca1 3c37 0ddf 4ce0 3ba0 0b01 221c 2069 25fc 0118 0000 0000 0d80
		0a1f 2300 0203 1001 0303 0000 0000 0001 0100 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:17.310	530	2	4643		-266	+191			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+20.21	-42.23	154	46.77	1756 154	46.79	94.59	116.00	328	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
305	+20000	+20000	+20000	+20000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:17.310	Active Track Maintenance Msg	1700 0058 0002 7100 0002 7100 0002 7100 003a d96a 0000 0000 0a1b eae3 0000 0000
		ed0a 0d9b 0000 6dce 2ecb 09a3 6dd0 2ed0 0001 17a6 1d00 1756 0212 0000 0000 c28a
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:17.310	176	2	4772		+159	+51			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+5.02	-10.04	153	11.18	1746 154	11.23	88.08	150.86	167	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
72	+4229	+4100	+4093	+4023	-14	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 7dbe 0000 842a 0000 7fe9 003a d95e fbf7 ff89 0283 fafb 0000 0000 0b5b 03a3 0000 6d2f 0b3c 09fa 6d20 0b3c 0606 1605 25b7 0bed 00b0 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:17.310	406	2	4622	-153	+0				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+10.47	-21.95	154	24.29	1757 154	24.33	90.33	137.95	153	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
270	+3929	+3800	+3805	+3798	-1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 76b5 0000 7aca 0000 76ec 003a d96b fbf7 fff5 053c f506 0000 0000 f51a fffb 0000 6dda 1855 0992 6de0 1854 0000 1695 227d 0ae6 0196 0000 0000 186f 051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:17.310	160	2	4645	+253	+267				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+4.85	-11.92	158	12.81	1796 158	12.87	87.42	149.31	368	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
43	+15529	+15400	+15382	+15735	+76	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0001 ebbc 0001 e54a 0001 e0b4 003a d996 fbf7 0265 026d fa0a 0000 0000
1205 130d 0000 7042 0cdf 09a5 7040 0ce0 01e4 15db 2554 1a39 00a0 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:17.310	319	2	4725		+110	+21			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+0.13	-0.37	158	0.34	1787 157	0.39	85.81	161.45	112	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
78	+629	+500	+495	+453	-9	+0	11101

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 0e2b 0000 13aa 0000 0f7c 003a d9af fbf7 ffb8 0011 ffd1 0000 0000
		07e1 018e 0000 6fb2 0064 09d5 71a0 0064 0000 1574 285d 0808 013f 0000 0000 0000
		041d 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:17.310	321	2	4665		+0	+0			RADAR-ONLY: NO
									FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+42.27	-3.49	94	42.39	1077	95	42.41	125.75	147.69	155 INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2629	+2500	+0	+2629	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:17.310	Active Track Maintenance Msg	1700 0058 0000 522a 0000 522a 0000 0000 0000 0000 fbf7 0000 1523 fe41 0000 0000
		0000 0000 0000 435b 2a6a 09b5 435b 2a6a 0000 1f70 24ec 0b14 0141 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.16	2005	176	2			85.05	158.08	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a dac2 1543 2785 0214 1f54 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:17.410	328	2	6655	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+18.87	-21.64	139	28.66	1580 139	28.71	98.50	136.11	142	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1029	+900	+0	+1029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:17.410	Active Track Maintenance Msg	1700 0058 0000 202a 0000 202a 0000 0000 0000 0000 fbf7 0000 096f f52e 0000 0000 0000 0000 0000 62c9 1cb5 0dad 62c9 1cb5 0000 18a0 2207 0a28 0148 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:17.530	310	2	1051		+445	+101			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+9.38	-31.25	163	32.63	1858 163	32.63	86.92	129.45	456	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
77	+22800	+22800	+22802	+22970	+36	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:17.530	Active Track Maintenance Msg	1700 0058 0002 cdd4 0002 c880 0002 c892 003a d9dc 0000 0124 04b0 f060 0000 0000 1fa5 072f 0000 7421 20a0 0229 7420 20a0 401d 15bb 205d 2073 0136 0000 0000 0088 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:17.530	248	2	0772		-243	-138			RADAR-ONLY: NO

FIRMNESS: 15

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+59.41	-0.91	90	59.38	1032 91	59.73	142.94	145.92	280	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
240	+16029	+15900	+15900	+15900	+0	+0	00011

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0001 f0e0 0001 f4ea 0001 f0e0 003a d63d fbf7 0000 1db5 ff8b 0000 0000
eeaa f62e 0000 4080 3bbc 01fa 40a0 3b6c 0000 23bc 247b 13ec 00f8 0000 0000 0000
0403 0f00 0203 1000 0303 0100 0000 0100 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
01:04:17.290	18	5.38	2115	186	1					83.97		157.03	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:17.530	Radar Report Msg	0b01 001c 003a db26 14fe 2742 02b0 210c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
		5.09	2071	182	2					84.38		157.20	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a db26 1518 274d 028c 205c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	31.66	2152	189	5			73.00	132.92	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:17.540	Radar Report Msg	0b01 001c 003a db8a 1240 213b 0fd4 21a0 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:17.630	580	2	4614		-49	+58			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-0.55	-17.86	181	17.82	2067	182	17.87	80.72	144.72	77

INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
319	+4929	+4800	+4812	+4856	+9	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:17.630	Active Track Maintenance Msg	1700 0058 0000 97c4 0000 9a0a 0000 9660 003a dac8 fbf7 004d ffba f712 0000 0000
		fc75 042e 0000 8137 11df 098c 7fff 11e0 1539 142e 242e 057b 0244 0000 0000 0103
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:17.750	449	2	7242		-312	+151			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
-2.56	-32.72	184	32.79	2099	184	32.84	75.14	131.25	347

INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
295	+33000	+33000	+33007	+33005	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:17.750	Active Track Maintenance Msg	1700 0058 0004 076a 0004 0740 0004 077f 003a daeb 0000 fffc feb8 efa4 0000 0000 e9c4 0ac1 0000 8332 20d8 0ea2 7fff 20d4 0001 12c9 20d0 18b3 01c1 0000 0000 da4a 051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:17.750 219 2 1060 -398 -132 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 7
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-2.16 -18.41 186 18.50 2124 187 18.55 79.34 145.39 419 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
251 +35000 +35000 +34995 +34988 -1 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0004 4567 0004 45c0 0004 459d 003a db07 0000 fff5 feec f6cb 0000 0000
e3aa f69d 0000 84cf 128d 0230 7fff 128c 156f 13d6 2459 1dda 00db 0000 0000 0303
071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:17.750 49 2 6311 +354 -84 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-8.06 -44.80 190 45.47 2163 190 45.55 66.64 120.58 364 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
103 +10129 +10000 +9974 +9843 -28 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0001 339c 0001 3c8a 0001 37b5 003a db34 fbf7 ff1e fbf8 e999 0000 0000
193d f9fb 0000 8739 2d8c 0cc9 7fff 2d88 a015 10a9 1e25 19f3 0031 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:17.750	361	2	1022		-220	-101			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
-4.67	-17.84	194	18.40	2213 195	18.39	76.73	145.77	243	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
245	+4229	+4100	+4094	+4262	+36	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 8532 0000 842a 0000 7ff7 003a db6d fbf7 0123 fdaa f714 0000 0000 f049 f8d0 0000 8a52 1263 0212 7fff 1274 a015 132f 2471 1148 0169 0000 0000 0000 081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
01:04:17.530	19	32.66	2275	200	4		67.23	135.00	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:17.750	Radar Report Msg	0b01 001c 003a dc70 10cf 21c0 1054 238c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
	4.44	2243	197	1			83.59	158.33	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a dc70 14e6 2795 0238 230c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:17.970	379	2	6312		+265	-9			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PREDICTED DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-4.52	-12.52	199	13.29	2273	200	13.30	78.25	150.92	265	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID

DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
92 +8029 +7900 +7928 +7786 -30 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:17.970	Active Track Maintenance Msg	1700 0058 0000 f350 0000 faea 0000 f7c0 003a dbb0 fbf7 ff0a fdbd f9bd 0000 0000
		12e7 ff53 0000 8e12 0d4d 0cca 7fff 0d50 0320 1390 25bb 12ea 017b 0000 0000 0001
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:17.970 173 2 6307 +517 -224 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-8.94 -13.55 213 16.19 2428 213 16.25 74.36 151.59 563 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
113 +33000 +33000 +33000 +33000 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 0740 0004 0740 0004 0740 003a dc5d 0000 0000 fb88 f93a 0000 0000
		24c5 f009 0000 97c5 103f 0cc7 7fff 103c 0000 1297 25e6 2816 00ad 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	X	SYSTEM NM	Y	PROC NM	STR STAT	SC	TYP	SYS
01:04:17.640	20	5.56	2506	220	1				81.41		158.78		1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a dd4c 145a 27b2 02c8 2728 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	X	SYSTEM NM	Y	PROC NM	STR STAT	SC	TYP	SYS
		5.56	2531	222	1				81.30		158.95		1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a dd4c 1453 27bd 02c8 278c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	X	SYSTEM NM	Y	PROC NM	STR STAT	SC	TYP	SYS
		5.97	2582	227	3				80.72		159.11		3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a dd4c 142e 27c7 02fc 2858 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	12.31	2541	223	5			75.42	155.38	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a dd4c 12db 26d8 0628 27b4 0205 0500 0003 0102 1d00 0000
01:04:18.070	Delete Track Msg	1704 0008 01e5 0910

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:17.970	22	8.69	2659	234	3		77.83	158.69	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:18.200	Radar Report Msg	0b01 001c 003a ddba 1375 27ac 0458 298c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	6.78	2631	231	4		79.75	159.14	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a ddba 13f0 27c9 0364 291c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	8.72	2675	235	3		77.73	158.88	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a ddba 136f 27b8 045c 29cc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	9.66	2735	240	2		76.58	159.38	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:18.200	Radar Report Msg	0b01 001c 003a de32 1325 27d8 04d4 2abc 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	8.97	2666	234	3		77.53	158.67	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg	0b01 001c 003a de32 1362 27ab 047c 29a8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	4.38	2714	239	2			81.88		160.66		2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a de32 1478 282a 0230 2a68 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	15.75	2772	244	5			70.42		158.66		5		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a de32 119b 27aa 07e0 2b50 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	8.75	2746	241	4				77.42		159.75	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a de32 135b 27f0 0460 2ae8 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	15.75	2747	241	2				70.56		158.08	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a de32 11a4 2785 07e0 2aec 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	27.53	2775	244	2				58.83		156.39	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a de32 0eb5 2719 0dc4 2b5c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	29.53	2776	244	5				56.86		156.03	5		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a de32 0e37 2702 0ec4 2b60 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:18.290	8	2	1273		+9	-6			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-37.73	-33.26	228	50.26	2601 229	50.30	40.86	139.23	11	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
124	-899	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:18.290	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e3e1 ffff e3e1 003a dd20 0000 0000 ed23 ef5f 0000 0000 00b4 ff85 0000 a290 324e 02bb 7fff 324c 0000 0a37 22cf 00da 0008 0000 0000 0500 0a1f 2603 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:18.290	586	2	4673		+321	-8			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
-15.51	-12.09	232	19.64	2640 232	19.65	67.77	154.09	322	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
91	+10029	+9900	+9899	+9906	+1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 3591 0001 396a 0001 355f 003a dd4c fbf7 000b f83f f9f4 0000 0000 16e5 ff6d 0000 a50d 13a6 09bb 7fff 13ac a006 10f1 2686 16e7 024a 0000 0000 0000 061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:18.090	24	12.00	2835	249	3		73.95	160.56	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:18.290	Radar Report Msg	0b01 001c 003a de8c 127d 2824 0600 2c4c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	15.25	2843	250	4			70.67	160.39	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a de8c 11ab 2819 07a0 2c6c 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:18.410	304	2	7342	-321	+158				RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES INHIBIT MSAW PROCESS: INHIBIT MSAW DISPLAY:
-30.78	-19.22	238	36.24	2707 238	36.32	51.55	151.17	358	

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
296	+35000	+35000	+35000	+35000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:18.410	Active Track Maintenance Msg	1700 0058 0004 45c6 0004 45c0 0004 45c6 003a dd98 0000 0000 f09c f664 0000 0000
		e92a 0b46 0000 a93a 2452 0ee2 7fff 244c 0000 0ce3 25cb 1978 0130 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:18.410 591 N31F 2 0260 0260 1Y +48 +79 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-7.43 -2.34 252 7.73 2873 253 7.81 77.98 161.45 92 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: YES
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
31 +1929 +1800 +1776 +1769 -1 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 374b 0000 3c4a 0000 3782 003a de51 fbf7 fff5 fc49 fed4 0000 0000
036c 05a8 0000 b392 07cf 00b0 7fff 07cc fbf7 137f 285d 069d 024f 0000 0000 0d13
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 00b0 008a 0104 ffff ffff 003d 000e 0000
0000 0000 0000 0000 0000 008a 008a 0000 0000 0000 0000 0000 00c9 0215 024f 015c
0000 00b1 0000 013a 00d7 00d5 0000 0000 0000 0000 0000 0000 0000 0448 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0004 2020 2fff 0000 0000 0000 0000 0000 0000 0000 0000 0001 0702
0001 0000 0000 0043 0000 0000 0000 0000 0000 0000 564e 5900 2020 2020 2020 2020
2020 0000 4e33 3146 0000 0000 0000 0000 0000 0000 0059 0000 0000 0020 564e 5900
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:18.410	275	2	0257	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+35.09	+1.10	88	35.08	1003 88	35.10	119.97	153.97	107	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1829	+1700	+0	+1829	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:18.410	Active Track Maintenance Msg	1700 0058 0000 392a 0000 392a 0000 0000 0000 0000 fbf7 0000 118b 008d 0000 0000 0000 0000 0000 3eb8 231a 00af 3eb8 231a 0000 1dfe 267e 07a3 0113 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	15.56	3000	264	2			70.45	164.08	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:18.410	Radar Report Msg	0b01 001c 003a df04 119d 2905 07c8 2ee0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:18.390	25	6.78	3088	271	5		79.44	163.66	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:18.640	Radar Report Msg	0b01 001c 003a df7c 13dc 28ea 0364 3040 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	13.75	3114	274	4			72.81	166.14	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a df7c 1234 2989 06e0 30a8 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: OVR
01:04:18.730	274	N8063T	2	4763	4763	1V	+119	+43	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X	DISPLAY NM Y	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PREDICTED DEG	SYSTEM RANGE NM	SYSTEM X	SYSTEM NM Y	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES

-16.71 -3.11 259 16.96 2952 259 17.01 68.86 163.06 127 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
70	+6929	+6800	+6790	+6724	-14	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:18.730	Active Track Maintenance Msg	1700 0058 0000 d221 0000 d88a 0000 d435 003a deab fbf7 ff8e f7a5 fe72 0000 0000 087e 0316 0000 b880 1102 09f3 7fff 1100 0000 1137 28c4 0909 0112 0000 0000 0000 041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09f3 0005 0032 ffff 0032 002c 022a 0000
0000 0000 0000 01b8 0000 0003 0015 0000 0000 0000 00ae 0000 0070 0245 0112 00cb
0000 002d 0000 0194 0133 0144 0000 0000 0000 0000 0000 0000 0000 042f ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 00ff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0036 5041 3332 0000 0000 4f58 5200 4844 4600 2020 2020 2020 2020
2020 0000 4e38 3036 3354 0000 0000 0030 3030 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:18.730 87 CPF420 2 4664 4664 1X +95 -65 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-4.29 -0.71 260 4.30 2967 261 4.37 81.50 162.23 116 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
124 +5029 +4900 +4910 +4950 +8 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 9ab6 0000 9d2a 0000 9973 003a deb9 fbf7 0046 fddb ffa5 0000 0000

06d1 fb54 0000 b978 045e 09b4 7fff 0458 1be0 1460 288f 0843 0057 0000 0000 0000
051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09b4 0015 0032 0032 0032 003c 017c 0000
0000 0000 0000 0000 0000 0001 0026 0000 0000 0000 00ed 0000 01b0 009b 0057 0201
0000 016b 0000 0010 0184 0185 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2eff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 4332 3036 0000 0000 5748 5000 544f 4100 2020 2020 2020 2020
2020 0000 4350 4634 3230 0000 0000 0035 3634 0000 0058 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:18.730 545 2 4706 -151 -40 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-23.95 -6.16 255 24.71 2907 256 24.74 61.05 161.95 156 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
255 +4029 +3900 +3900 +3900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 79e0 0000 7dea 0000 79e0 003a de79 fbf7 0000 f406 fcec 0000 0000
f537 fd26 0000 b5ba 18bd 09c6 7fff 18bc 0000 0f43 287d 0b28 0221 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:18.730 475 N6887L 2 4714 4714 1V +182 +13 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 8
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-18.06 -1.30 266 18.11 3025 266 18.11 67.98 165.16 183 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
85 +5029 +4900 +4904 +4908 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 9964 0000 9d2a 0000 9944 003a defd fbf7 0007 f6f8 ff5a 0000 0000
0cfb 00f0 0000 bd15 121c 09cc 7fff 121c 0000 10ff 294a 0d04 01db 0000 0000 0000
081f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0004 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 2000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09cc 0005 0000 ffff 0032 0038 0253 0000
0000 0000 0000 00f3 0000 0003 0015 0000 0000 0000 00f2 0000 0014 0138 01db 00c3
0000 01aa 0000 0062 0054 01c9 0000 0000 0000 0000 0000 0000 0000 025c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 1dff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0036 4334 3231 0000 0000 4f58 5200 4343 4200 2020 2020 2020 2020
2020 0000 4e36 3838 374c 0000 0000 0037 3937 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:18.510	26	13.47	3130	275	1		73.19	166.36	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:18.730	Radar Report Msg	0b01 001c 003a dfe0 124c 2997 06bc 30e8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	13.25	3133	275	2			73.42	166.34	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a dfe0 125b 2996 06a0 30f4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.00	3253	286	4			77.27	166.84	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:18.750	Radar Report Msg	0b01 001c 003a e058 1351 29b6 0500 32d4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.88	3299	290	3			81.98	164.44	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a e058 147f 291c 0270 338c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
							ALT								
13.91	3283	289	4				74.22	169.39	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a e058 128e 2a59 06f4 334c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
							ALT								
10.13	3245	285	4				77.11	166.81	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a e058 1347 29b4 0510 32b4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
14.09	3290	289	1				74.14	169.63	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a e058 1289 2a68 070c 3368 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
7.00	3318	292	5				80.28	165.86	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a e058 1412 2977 0380 33d8 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:18.850	424	2	7234	+0	+0		RADAR-ONLY: NO		

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
-1.84	-16.80	186	16.85	2119 186	16.90	79.70	146.06	187	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2429	+2300	+0	+2429	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:18.850	Active Track Maintenance Msg	1700 0058 0000 4bea 0000 4bea 0000 0000 0000 0000 fbf7 0000 ff14 f799 0000 0000

0000 0000 0000 8473 10e7 0e9c 8473 10e7 0000 13ed 2484 0d53 01a8 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:18.850	362	2		0006		+239	-356		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-25.89	+0.23	270	25.88	3076 270	25.83	60.91	168.59	429	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
146	+15529	+15400	+15431	+15231	-53	-4	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:18.850	Active Track Maintenance Msg	1700 0058 0001 dbff 0001 e54a 0001 e239 003a df38 fbf7 fe56 f30e 001e 0000 0000
		1106 e6a9 ffde c04c 19d4 0006 7fff 19e4 0000 0f3a 2a26 1e87 016a 0000 0000 0000
		041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:18.850	297	2	1056	-7	+96				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-41.20	-1.70	267	41.22	3044 268	41.25	45.52	170.63	96	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
355	+6229	+6100	+6126	+6195	+15	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 c19e 0000 c2aa 0000 bf72 003a df13 fbf7 0079 eb67 ff26 0000 0000 ff74 06d4 0000 be47 2940 022e 7fff 293c 0603 0b61 2aa8 06da 0129 0000 0000 001c 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:18.850	9	2	1275	-5	-2				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-12.52	-11.00	228	16.65	2601 229	16.68	70.88	154.38	5	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
244	-470	-599	-599	-599	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 ffff ed41 ffff f14b ffff ed41 003a dd21 fbf7 0000 f9bd fa80 0000 0000
ffa3 ffd3 0000 a293 10ae 02bd 7fff 10ac 5858 11b8 2698 0068 0009 0000 0000 0ee4
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	ALT	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:18.630	27	30.47	3363	296	3				62.55	181.48	3		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:18.850	Radar Report Msg	0b01 001c 003a e0c6 0fa3 2d5f 0f3c 348c 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:18.950 84 N774CS 2 3376 3376 1W +152 -151 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-21.16 +4.61 282 21.61 3210 282 21.67 66.53 171.64 215 INHIBIT MSAW PROCESS: YES
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
134 +9829 +9700 +9700 +9662 -8 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:04:18.950 Active Track Maintenance Msg 1700 0058 0001 2df0 0001 332a 0001 2f22 003a dfcf fbf7 ffbf f56c 024e 0000 0000
0ad7 f535 0000 c8ae 15ac 06fe 7fff 15a8 5453 10a2 2ae9 0f4c 0054 0000 0000 e0d0
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 06fe 0003 012c ffff f830 0037 01ab 0000
0000 0000 0000 015e 0000 0007 002e 0000 0000 0000 00a9 0000 0215 0249 0054 0250
0000 0149 0000 0213 0091 014a 0000 0000 0000 0000 0000 0000 0000 03cb ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2056 2eff 0000 0000 0000 0000 0000 0101 0003 0000 0001 0001 0502
0001 0000 0000 0043 4332 3130 0000 0000 5341 3900 544f 4100 2020 2020 2020 2020
2020 0000 4e37 3734 4353 0000 0000 0036 3032 0000 0057 0000 0000 0020 0000 004f
4646 5620 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE ASSIGNED	BEACON CODE REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:18.950	532		2	7234		+0	+0		RADAR-ONLY: NO

FIRMNESS: 7

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: YES
-1.83	-16.72	186	16.79	2119	186	16.83	79.77	146.13	0 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2429	+2300	+2300	+2300	+0	+0	00001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 47e0 0000 4bea 0000 47e0 003a db01 fbf7 0000 ff16 f7a4 0000 0000 0000 0000 0000 8470 10d4 0e9c 7fff 10d4 0001 13f1 2488 0000 0214 0000 0000 0100 0301 0700 0203 1000 0303 0100 0000 0100 0001 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:18.730	28	7.06	3427	301	4		80.98	166.77	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:18.960	Radar Report Msg	0b01 001c 003a e120 143f 29b1 0388 358c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		7.22	3428	301	4		80.88	166.89	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a e120 1438 29b9 039c 3590 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		9.06	3510	308	2		80.42	168.97	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a e120 141b 2a3e 0488 36d8 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:19.290	59	2	4603	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X	DISPLAY NM	DISPLAY Y	DISPLAY NM	PRED_AZIM AZI DEG	PREDICTED RANGE NM	SYSTEM ACP	SYSTEM DEG	SYSTEM RANGE NM	SPEED X KNOTS	SPEED NM	SPEED Y KNOTS	SPEED NM	ALTITUDE KNOTS

FIRMNESS: 0

VALID ALTITUDE: YES

+51.28 +9.13 80 52.05 909 80 52.09 137.58 157.61 323 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+20200	+20200	+0	+20200	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:19.290	Active Track Maintenance Msg	1700 0058 0002 7740 0002 7740 0000 0000 0000 0000 0000 0000 19a4 0490 0000 0000
		0000 0000 0000 38d3 3416 0983 38d3 3416 0000 2265 2767 16fa 003b 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:19.290 194 DDA77 2 4043 4043 0 +351 -332 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-41.86 +16.22 291 44.84 3313 291 44.86 49.47 188.08 484 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
133 +17529 +17400 +17380 +17037 -68 +2 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:04:19.290 Active Track Maintenance Msg 1700 0058 0002 146d 0002 23ca 0002 1f26 003a e041 fbf7 fde0 eb12 081c 0000 0000
1903 e852 0016 cf1f 2cdb 0823 7fff 2ce4 0000 0c5e 2f05 2271 00c2 0000 0000 0000
041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0823 0000 0136 ffff 0172 003f 0204 0000
0000 0000 0000 0001 0007 0007 0007 0000 0000 0000 00ab 0000 0090 00b2 00c2 0000
0000 0000 0000 00c8 0155 0189 0000 0000 0000 0000 0000 0000 0000 023d ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000 0100 0000
0100 0000 0001 0000 0001 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0005 2000 2fff 0000 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0102
0001 0000 0000 0043 4c4a 3335 0000 0000 4649 4d00 564e 5900 2020 2020 2020 2020
2020 0000 4444 4137 3700 0000 0000 0033 3535 0000 0000 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:19.290	400	2	4675		-195	-54			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-42.92	+32.66	307	53.88	3496 307	53.91	52.56	204.27	203	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
254	+14029	+13900	+13900	+13900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 b260 0001 b66a 0001 b260 003a e10f fbf7 0000 ea8a 1054 0000 0000 f216 fc22 0000 da85 35ea 09bd 7fff 35f0 fbf7 0d24 3311 0e71 0190 0000 0000 0020 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:19.290	384	2		1200	+106	+42			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-33.94	-1.09	268	33.95	3051 268	33.95	52.69	169.38	114	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
68	+5629	+5500	+5500	+5500	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 abe0 0000 afea 0000 abe0 003a df1a fbf7 0000 ef08 ff75 0000 0000
		078e 030e 0000 beb7 21f3 0280 7fff 21f4 0000 0d2c 2a58 0826 0180 0000 0000 f216
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:19.070	30	5.38	3667	322	1		83.77	166.55	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:19.290	Radar Report Msg	0b01 001c 003a e210 14f1 29a3 02b0 394c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	5.00	3685	324	2		84.03	166.23	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:19.300	Radar Report Msg	0b01 001c 003a e274 1502 298f 0280 3994 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.78	3700	325	2					84.22		166.05		2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a e274 150e 2983 0264 39d0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	20.03	3834	337	3					82.86		181.58		3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:19.300	Radar Report Msg	0b01 001c 003a e288 14b7 2d65 0a04 3be8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.81	3840	338	2			84.72	169.41	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a e288 152e 2a5a 03e8 3c00 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:19.290	31	6.41	3877	341	4		85.27	168.00	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:19.510	Radar Report Msg	0b01 001c 003a e35a 1551 2a00 0334 3c94 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.06	4012	353	3			86.38	166.59	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a e35a 1598 29a6 0288 3eb0 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	8.63	3977	350	2			86.39	170.28	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a e35a 1599 2a92 0450 3e24 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	10.59	3994	351	1			86.81		172.25		1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a e35a 15b4 2b10 054c 3e68 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE ASSIGNED	BEACON CODE REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:19.610	392	2		7304			-258	+265	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES INHIBIT MSAW PROCESS: INHIBIT MSAW DISPLAY:
-27.91	+23.99	310	36.74	3535 311	36.80	64.97	191.97	370	

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
315	+23600	+23600	+23620	+23737	+24	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:19.610	Active Track Maintenance Msg	1700 0058 0002 e5cf 0002 e180 0002 e225 003a e13a 0000 00c5 f20b 0bff 0000 0000 ed9a 12e5 fffe dcfe 24ce 0ec4 7fff 24d0 0c6c 103e 2ffe 1a60 0188 0000 0000 0000 061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE ASSIGNED	BEACON CODE REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:19.610	51	2		1331			-198	+278	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES INHIBIT MSAW PROCESS: INHIBIT MSAW DISPLAY:
-26.14	+19.89	307	32.82	3495 307	32.85	65.77	187.39	342	

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
324	+31000	+31000	+31000	+31000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0003 c8c0 0003 c8c0 0003 c8c0 003a e10f 0000 0000 f2ee 09f2 0000 0000
f1da 13cd 0000 da7c 20d9 02d9 7fff 20d8 1b2e 1071 2ed9 1856 0033 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:19.610	56	2	4752		-134	+177			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-28.70	+23.40	309	37.00	3518 309	37.03	63.98	191.70	222	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
322	+12029	+11900	+11900	+11900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 73e0 0001 77ea 0001 73e0 003a e127 fbf7 0000 f1a7 0bb3 0000 0000
f66f 0ca5 0000 dbed 2508 09ea 7fff 2508 a00c 0fff 2fed 0fdb 0038 0000 0000 0123
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:19.610 322 N900RL 2 3601 3601 1F +41 -224 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-9.97 +10.16 315 14.18 3590 316 14.21 78.72 174.16 228 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
169 +6729 +6600 +6576 +6569 -1 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 cd4d 0000 d24a 0000 cd84 003a e178 fbf7 fff5 fb04 0514 0000 0000
02eb f009 0000 e067 0e35 0781 7fff 0e3c a00c 13ae 2b8a 103b 0142 0000 0000 9e40
041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0781 0001 0122 ffff 01c2 0037 01b6 0000
0000 0000 0000 00ba 0000 0001 008a 0000 0000 0000 008f 0000 012b 00a5 0142 009b
0000 01c6 0000 01cb 000c 020d 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0100 0000 0000 0000 0000 0100 0003 0000 0001 0001 0702

0001 0000 0000 0031 474c 4634 0000 0000 504d 4400 5656 5600 2020 2020 2020 2020
2020 0000 4e39 3030 524c 0000 0000 0035 3736 0000 0046 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:19.610	74	N40905	2	6701	6701	0	-54	+62	DEP

RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE
-9.52	+16.15	329	18.71	3749 330	18.76	80.69	179.81	83	VALID

FIRMNESS: 4

ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
319	+10129	+10000	+9994	+10032	+8	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 3983 0001 3c8a 0001 3852 003a e22b fbf7 0042 fb3e 0813 0000 0000
		fc22 0477 0000 ea53 12c2 0dc1 7fff 12c0 0000 142c 2cf4 05e8 004a 0000 0000 0000
		041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0dc1 0000 0064 0064 0064 058a 0094 0000
		0000 0000 0000 0000 0000 0058 0005 0000 0000 0000 029c 0000 01cc 012f 004a 01c6
		0000 0213 0000 0001 0134 005a 0000 0000 0000 0000 0000 0000 0000 00dc ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
		0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 9900 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
		0001 0000 0000 0043 5032 3852 0000 0000 4d59 4600 4c48 5300 2020 2020 2020 2020
		2020 0000 4e34 3039 3035 0000 0000 0035 3837 0000 0000 0000 0000 0020 0000 0056
		3539 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

END TIME	START TIME	TARGET REPORTS:	LIVE	SIMULATED		VALID MODE-C:	0
01:04:19.380	01:04:14.770	RADAR-ONLY	103	0	0.0%		
SENSOR = 2		BEACON-ONLY	0	0			
		RADAR & BEACON	0	0		VALID MODE-3/A:	0
		TOTAL	103	0	0.0%		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:19.610	Sensor Sector Mark Msg	1715 000c 003a e3b4 0000 0200

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:19.380	0	11.09	4051	356	1		87.81	172.61	1			RT		2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:19.630	Radar Report Msg	0b01 001c 003a e3b4 15f4 2b27 058c 3f4c 0201 0100 0001 0000 1d00 0000
01:04:19.830	Delete Track Msg	1704 0008 0231 0010
01:04:19.830	Delete Track Msg	1704 0008 0007 0110

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:19.640	2	5.75	19	2	3		87.31		167.13	3			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:19.840	Radar Report Msg	0b01 001c 003a e42c 15d4 29c8 02e0 004c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		8.88	22	2	2		88.27		170.19	2			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a e42c 1611 2a8c 0470 0058 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:19.720	3	6.38	123	11	2				88.42	167.39	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:19.950	Radar Report Msg	0b01 001c 003a e4cc 161b 29d9 0330 01ec 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.34	195	17	1					91.14	170.52	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a e4cc 16c9 2aa1 052c 030c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.72	259	23	1					92.20	170.23	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a e4cc 170d 2a8f 055c 040c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS

	11.03	283	25	1		92.70	170.25	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:19.960	Radar Report Msg	0b01 001c 003a e508 172d 2a90 0584 046c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	10.63	256	23	4		92.11	170.20	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a e508 1707 2a8d 0550 0400 0204 0400 0001 0303 1d00 0000
01:04:20.050	Delete Track Msg	1704 0008 00d5 0110

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:20.050	358	2		7303	+142	+309			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
-1.35	+16.28	355	16.30	4039 355	16.32	88.55	177.70	341	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
24	+17629	+17500	+17497	+17866	+80	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:20.050	Active Track Maintenance Msg	1700 0058 0002 2e52 0002 26ea 0002 22cd 003a e375 fbf7 0282 ff53 0824 0000 0000
		0a23 1608 0001 fc7f 1053 0ec3 7fff 1058 0003 1623 2c6d 1840 0166 0000 0000 e3be
		051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:20.050	491	2		2734	+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+32.48	-20.80	122	38.50	1395 123	38.57	111.88	133.45	132	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1329	+1200	+0	+1329	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:20.050 Active Track Maintenance Msg 1700 0058 0000 298a 0000 298a 0000 0000 0000 0000 fbf7 0000 103e f599 0000 0000
0000 0000 0000 5735 2693 05dc 5735 2693 0000 1bf8 215d 0973 01eb 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	17.88	293	26	5			97.30		175.38	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:20.050	Radar Report Msg	0b01 001c 003a e576 1853 2bd8 08f0 0494 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:20.270	460	EJA631	2	4757	4757	0	-273	-152	RADAR-ONLY: NO

FIRMNESS: 33

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+5.41	+26.98	11	27.46	127 11	27.54	97.81	186.52	312	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
240	+12729	+12600	+12596	+12412	-38	+0	00111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:20.270	Active Track Maintenance Msg	1700 0058 0001 83e5 0001 8dca 0001 89a7 003a e445 fbf7 fec9 02b5 0d7e 0000 0000 ec90 f52a 0004 07ff 1b8b 09ef 0810 1b88 0000 1874 2ea1 1641 01cc 0000 0000 0000 0407 2100 0201 1000 0303 0100 0000 0000 0000 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 09ef 0000 0172 ffff ffff 003c 026d 0000 0000 0000 0000 0001 0001 0001 0001 0000 0000 0000 009a 0000 003e 01bd 01cc 01a5 0000 01e5 0000 01c8 005b 0124 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000 0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0006 2000 2fff 0100 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0702 0001 0000 0000 0031 4335 3658 0000 0000 504d 4400 564e 5900 2020 2020 2020 2020 2020 0000 454a 4136 3331 0000 0000 0039 3135 0000 0000 0000 0000 0020 0000 0000 0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:04:19.960	4	27.22	355	31	3		105.27		180.73	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:20.280	Radar Report Msg	0b01 001c 003a e5f8 1a51 2d2f 0d9c 058c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	1.00	389	34	0			86.27		162.28	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a e5f8 1591 2892 0080 0614 0200 0000 0000 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.22	467	41	1			91.58	165.80	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a e5f8 16e5 2973 039c 074c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:20.190	6	7.38	507	45	3		91.94	165.52	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:20.390	Radar Report Msg	0b01 001c 003a e666 16fc 2961 03b0 07ec 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.25	489	43	2			91.73	165.61	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a e666 16ef 2967 03a0 07a4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	3.66	694	61	4			88.94	162.64	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:20.400 Radar Report Msg 0b01 001c 003a e6d4 163c 28a9 01d4 0ad8 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	3.59	714	63	1					88.89	162.53	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a e6d4 1639 28a2 01cc 0b28 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:20.380	7	3.91	776	68	2				89.28	162.27	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:20.610	Radar Report Msg	0b01 001c 003a e79c 1652 2891 01f4 0c20 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.03	731	64	7			89.39	162.55	7		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a e79c 1659 28a3 0204 0b6c 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	41.66	779	68	4			127.08	166.80	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a e79c 1fc5 29b3 14d4 0c2c 0204 0400 0005 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:20.710	6	2	1274		-6	+9			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+37.53	+17.88	64	41.54	735 65	41.58	126.59	169.64	11	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	SLID WINDOW
324	-770	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:20.710	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e7eb ffff e3e1 003a e6ed fbf7 0000 12c4 08f1 0000 0000

ff84 00ac 0000 2df0 2995 02bc 2de0 2994 0000 1fa6 2a69 00d4 0006 0000 0000 0149
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:20.930	101	2	3507		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+25.09	-26.93	137	36.75	1559 137	36.80	103.16	129.42	216	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:20.930	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0c8b f289 0000 0000
		0000 0000 0000 6171 24cd 0747 6171 24cd 0000 19ca 205b 0f5e 0065 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:20.710	9	5.28	977	86	4		90.70	160.91	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:20.940	Radar Report Msg	0b01 001c 003a e8e6 16ad 283a 02a4 0f44 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	2.91	1124	99	0			87.97	160.88	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:20.960	Radar Report Msg	0b01 001c 003a e904 15fe 2838 0174 1190 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	29.81	1118	98	7			113.17	150.23	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a e904 1c4b 258f 0ee8 1178 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	8.00	1155	102	1			92.80	158.38	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a e904 1733 2798 0400 120c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
						ALT	X NM	Y NM	STAT						
7.66	1171	103	4				92.39	158.38	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a e904 1719 2798 03d4 124c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
						ALT	X NM	Y NM	STAT						
7.53	1175	103	2				92.27	158.39	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a e904 1711 2799 03c4 125c 0202 0200 0001 0103 1d00 0000

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:21.050	523		2	0646		-227	-90		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+40.15	-1.41	92	40.15	1046 92	40.17	124.19	150.31	244	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
248	+12629	+12500	+12530	+12467	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:21.050	Active Track Maintenance Msg	1700 0058 0001 859f 0001 8aaa 0001 8796 003a e84d fbf7 ff93 1413 ff4b 0000 0000 efd3 f98a 0000 4162 282c 01a6 4170 282c 2a54 1f0c 2594 116b 020b 0000 0000 e792 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:21.050	527		2	4676		+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+23.88	-26.73	138	35.80	1572 138	35.84	102.05	129.92	93	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1929	+1800	+0	+1929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:21.050 Active Track Maintenance Msg 1700 0058 0000 3c4a 0000 3c4a 0000 0000 0000 0000 fbf7 0000 0bf0 f2a3 0000 0000
0000 0000 0000 624b 23d6 09be 624b 23d6 0000 1983 207b 06ad 020f 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:04:20.750	10	5.72	1205	106	2			90.48	159.05	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:21.050	Radar Report Msg	0b01 001c 003a e954 169f 27c3 02dc 12d4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
		3.28	1239	109	2			88.14	160.25	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a e954 1609 2810 01a4 135c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.34	1249	110	2				89.97	158.95	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a e954 167e 27bd 02ac 1384 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.31	1258	111	4				90.75	158.31	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a e954 16b0 2794 0328 13a8 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
52.09	1212	107	4				130.28	134.88	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a e954 2092 21b8 1a0c 12f0 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.31	1233	108	3				90.88	158.50	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a e954 16b8 27a0 0328 1344 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
	3.59	1267	111	3					88.36	159.95	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a e954 1617 27fd 01cc 13cc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
01:04:20.940	11	20.97	1258	111	3				102.83	149.77	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:21.160	Radar Report Msg	0b01 001c 003a e9cc 19b5 2571 0a7c 13a8 0203 0300 0003 0003 1d00 0000

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TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	40.16	1287	113	5			117.45		137.25	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a e9cc 1d5d 2250 1414 141c 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	10.78	1256	110	5			94.48		155.72	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a e9cc 179f 26ee 0564 13a0 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	5.28	1267	111	1			89.83		158.88	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a e9cc 1675 27b8 02a4 13cc 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	22.03	1306	115	3			102.72		147.88	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a e9cc 19ae 24f8 0b04 1468 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:21.270	245	2	5266	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0
+45.56	-6.52	98	46.02	1116 98	46.02	128.16	143.92	166	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+4029	+3900	+0	+4029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:21.270	Active Track Maintenance Msg	1700 0058 0000 7dea 0000 7dea 0000 0000 0000 0000 fbf7 0000 16c8 fcbd 0000 0000
		0000 0000 0000 45cb 2e06 0ab6 45cb 2e06 0000 200a 23fb 0bdc 00f5 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:21.270	Delete Track Msg	1704 0008 0242 0710

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:21.270	519	2	1631			-156	-101		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+51.13	-10.16	101	52.12	1151 101	52.12	132.63	139.06	186	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
237	+8029	+7900	+7900	+7900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:21.270	Active Track Maintenance Msg	1700 0058 0000 f6e0 0000 faea 0000 f6e0 003a e8c4 fbf7 0000 1990 faeb 0000 0000 f4d7 f8c9 0000 47f6 341f 0399 4800 3420 5858 2128 22c4 0d4a 0207 0000 0000 1ce4 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:04:21.270	394	N121NA	2	1320	1320	1V	-125	+3	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
+17.94	-3.11	99	18.20	1135 100	18.20	102.31	154.30	125	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW

271 +6029 +5900 +5903 +5907 +1 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 b89f 0000 bc6a 0000 b879 003a e8b2 fbf7 0008 08f8 fe72 0000 0000
		f71b 003e 0000 46ff 1233 02d0 4700 1234 0000 1994 2693 08e6 018a 0000 0000 0000
		071f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000

0000 0000 0000 72b2 0fbc 0690 72b2 0fbc 0000 15b7 2489 0a27 01c3 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:21.520	298	2		0771	-205	-87			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
+27.27	-6.47	103	28.00	1175 103	28.04	110.47	148.69	223	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
247	+9229	+9100	+9104	+9044	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:21.520	Active Track Maintenance Msg	1700 0058 0001 1aa0 0001 206a 0001 1c84 003a e8df fbf7 ff98 0da3 fcc4 0000 0000
		f167 f9ce 0000 4979 1c09 01f9 4980 1c08 003a 1b9e 252c 0fdc 012a 0000 0000 23fd
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:21.520	339	2	2201		-179	-83			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: YES
+47.75	-13.28	105	49.55	1202 106	49.52	128.56	136.91	198	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
245	+8129	+8000	+7950	+7858	-19	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 f592 0000 fe0a 0000 f870 003a e8fb fbf7 ff62 17e0 f95c 0000 0000
		f335 fa0e 0000 4b2b 3185 0481 4b10 3190 0001 2024 223a 0e1b 0153 0000 0000 be34
		031f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X NM	SYSTEM Y NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:04:21.270	13	9.41	1347	118	3			92.53	155.52	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:21.520	Radar Report Msg	0b01 001c 003a eaa8 1722 26e1 04b4 150c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X NM	SYSTEM Y NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	39.44	1449	127	7				110.00	130.78	7		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a eaa8 1b80 20b2 13b8 16a4 0207 0700 0005 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	41.31	1424	125	5			112.38		130.30	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a eaa8 1c18 2093 14a8 1640 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	17.78	1528	134	5			94.89		146.67	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a eaa8 17b9 24ab 08e4 17e0 0205 0500 0003 0102 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X	NM	Y	NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.25	1533	135	4			87.77	158.45	4				RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:21.530	Radar Report Msg	0b01 001c 003a eb16 15f1 279d 0220 17f4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X	NM	Y	NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	24.09	1535	135	5			97.92	141.11	5				RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a eb16 187b 2347 0c0c 17fc 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X	NM	Y	NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	28.47	1603	141	7			97.52	135.97	7				RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a eb16 1861 21fe 0e3c 190c 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X	NM	Y	NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	21.88	1564	137	4			95.95	142.55	4				RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg	0b01 001c 003a eb16 17fd 23a3 0af0 1870 0204 0400 0004 0101 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	23.81	1564	137	7			96.86		140.84		7		RT		2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a eb16 1837 2336 0be8 1870 0207 0700 0003 0302 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:21.610	590		2	4624		-11	-103		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
+33.87	-15.70	114	37.27	1308 115	37.33	114.55	138.08	104	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
186	+2929	+2800	+2799	+2752	-10	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:21.610	Active Track Maintenance Msg	1700 0058 0000 5600 0000 5b8a 0000 577b 003a e972 fbf7 ffaf 10ef f827 0000 0000
		ff2c f8a2 0000 51c0 2554 0994 51b0 2554 00fe 1ca3 2285 076a 024e 0000 0000 0000
		071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:21.610	207	N8451R	2	4647	4647	1X	-106	+9	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+5.86	-2.74	114	6.40	1311 115	6.46	90.69	157.73	107	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
274	+6029	+5900	+5899	+5899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 b85e 0000 bc6a 0000 b85f 003a e975 fbf7 0000 02ee fea1 0000 0000
f868 00a7 0000 51f3 0677 09a7 51e0 0678 0000 16ac 276f 079f 00cf 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09a7 0015 003c 003c 003c 0028 0068 0000
0000 0000 0000 0000 0000 0026 0001 0000 0000 0000 00b0 0000 0037 00e1 00cf 0041
0000 0044 0000 01bb 0036 00bd 0000 0000 0000 0000 0000 0000 0000 020c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5032 3841 0000 0000 504f 4300 5656 5600 2020 2020 2020 2020
2020 0000 4e38 3435 3152 0000 0000 0036 3633 0000 0058 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:21.610	389	2	1654		-175	+41			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID
+41.55	-14.44	109	43.94	1244 109	44.03	122.28	137.36	180	ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
283	+6829	+6700	+6650	+6521	-27	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 cbcb 0000 d56a 0000 cfd0 003a e929 fbf7 ff23 14c6 f8c8 0000 0000
		f37d 02f8 0001 4dc9 2c07 03ac 4da0 2bfc 0100 1e92 2257 0cdc 0185 0000 0000 0000
		031f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:21.610	155	2	3275		+94	+169			RADAR-ONLY: NO

FIRMNESS: 33

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID
+28.27	-21.23	126	35.31	1444 127	35.36	107.73	134.16	194	ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
29	+5029	+4900	+4900	+4900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:21.610 Active Track Maintenance Msg 1700 0058 0000 9920 0000 9d2a 0000 9920 003a ea0c fbf7 0000 0e23 f563 0000 0000
06bf 0c10 0000 5a48 235b 06bd 5a40 235c 0000 1aef 218a 0dd2 009b 0000 0000 0000
091f 2100 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:21.370	14	12.28	1635	144	3		90.25		150.52	3		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:21.620	Radar Report Msg	0b01 001c 003a eb70 1690 25a1 0624 198c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	10.22	1699	149	3			88.55		152.14	3		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a eb70 1623 2609 051c 1a8c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
5.03	1763	155	1			86.63	157.16	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:21.630	Radar Report Msg	0b01 001c 003a eb84 15a8 274a 0284 1b8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
4.09	1787	157	1			86.30	158.11	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a eb84 1593 2787 020c 1bec 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:21.740	321	2	4665	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+42.45	-3.48	94	42.57	1077	95	42.59	125.92	147.66	152 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
0	+2529	+2400	+0	+2529	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:21.740	Active Track Maintenance Msg	1700 0058 0000 4f0a 0000 4f0a 0000 0000 0000 0000 fbf7 0000 153a fe42 0000 0000

0000 0000 0000 4356 2a98 09b5 4356 2a98 0000 1f7b 24ea 0add 0141 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:21.480	15	4.09	1811	159	3		86.17	158.09	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:21.740	Radar Report Msg	0b01 001c 003a ebf2 158b 2786 020c 1c4c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		32.69	1811	159	4		89.27	129.39	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a ebf2 1651 2059 1058 1c4c 0204 0400 0005 0003 1d00 0000

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TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	14.16	1843	162	3			86.58		147.80	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a ebf2 15a5 24f3 0714 1ccc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	22.16	1872	165	5			86.06		139.75	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a ebf2 1584 22f0 0b14 1d40 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	23.00	1819	160	3			87.94		139.00	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a ebf2 15fc 22c0 0b80 1c6c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	4.09	1855	163	2			85.92		158.08	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg	0b01 001c 003a ebf2 157b 2785 020c 1cfc 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	6.25	1886	166	2			85.72		155.80		2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a ebf2 156e 26f3 0320 1d78 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:21.830	329	2	4657		-134	+185			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+23.16	-23.44	135	32.92	1540 135	32.96	102.22	133.31	229	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
324	+7029	+6900	+6900	+6900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:21.830	Active Track Maintenance Msg	1700 0058 0000 d7a0 0000 dbaa 0000 d7a0 003a ea78 fbf7 0000 0b94 f448 0000 0000
		f66c 0d34 0000 6046 20f7 09af 6040 20f4 003a 198e 2154 1050 0149 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:21.830	55	2	7230		-227	-88			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
+12.82	-11.91	132	17.47	1513 133	17.49	95.16	147.08	244	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
248	+3729	+3600	+3622	+3528	-20	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 6e40 0000 748a 0000 7132 003a ea59 fbf7 ff5a 0669 fa0b 0000 0000
efd0 f9ae ffff 5e96 117e 0e98 5e80 1180 0000 17ca 24c5 1161 0037 0000 0000 0000
071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:21.830	278	2	4613		+246	+50			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
+19.55	-20.86	136	28.52	1556 137	28.61	99.39	136.73	252	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
78	+6029	+5900	+5899	+5898	+0	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 b855 0000 bc6a 0000 b85a 003a ea8b fbf7 0000 09c7 f592 0000 0000
118e 0398 0000 6148 1c9d 098b 6150 1c98 0000 18d9 222f 11ec 0116 0000 0000 0310
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:21.830 561 2 4745 -155 +115 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+15.45 -16.48 136 22.55 1556 137 22.59 96.53 142.00 193 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
306 +4929 +4800 +4800 +4700 -21 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 92e3 0000 9a0a 0000 9603 003a ea8b fbf7 ff53 07ba f7c2 0000 0000
f4f4 0830 0000 6146 1698 09e5 6150 1698 0000 1822 2380 0dc1 0231 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:21.830 98 2 3253 -26 -176 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+8.54 -12.20 145 14.86 1647 145 14.93 90.94 147.89 178 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
188	+3929	+3800	+3818	+3666	-33	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 7294 0000 7aca 0000 7757 003a eaf4 fbf7 fef8 0445 f9e7 0000 0000 fe19 f377 0000 66f8 0eed 06ab 6720 0ee4 0000 16bc 24f9 0cae 0062 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:21.830	530	2	4643		-268	+188			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+19.86	-41.98	154	46.38	1759 155	46.43	94.33	116.31	327	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
305	+20000	+20000	+20000	+20000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 7100 0002 7100 0002 7100 003a eb70 0000 0000 09ee eb02 0000 0000 ecef 0d65 0000 6dfc 2e6f 09a3 6e00 2e74 0100 1795 1d14 174d 0212 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:21.830	7	2	1275		+2	-7			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+41.67	-14.41	109	44.04	1242 109	44.07	122.39	137.38	7	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
164	+0	+0	+0	+0	+0		00000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 0000 0000 0000 0000 0000 003a e928 0000 0000 14d6 f8cc 0000 0000
0026 ff7c 0000 4da1 2c13 02bd 4d90 2c18 0000 1e99 2258 0089 0007 0000 0000 0000
0000 2600 0203 1000 0300 0100 0000 0001 0001 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:21.830	280		2		+523	+108			RADAR-ONLY: NO

FIRMNESS: 33

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: NO
+58.02	-18.23	107	60.78	1222 107	60.81	137.11	129.61	534	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
78	CST	CST	+28117	+28266	+32	+0	11110

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0003 7357 0003 6b00 0003 6ea9 003a c4ef 0000 0104 1d02 f6e3 0000 0000
		2532 07b4 0000 4c67 3ccf 0ddf 4ce0 3ba0 0000 2247 2067 25fc 0118 0000 0000 0000
		031e 2100 0203 1001 0303 0000 0000 0001 0100 0000 0000 0101

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:21.830	328	2	6655		+0	+0			RADAR-ONLY: NO
									FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0
+18.73	-21.55	139	28.48	1581 139	28.55	98.39	136.23	140	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1029	+900	+0	+1029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:21.830	Active Track Maintenance Msg	1700 0058 0000 202a 0000 202a 0000 0000 0000 0000 fbf7 0000 095e f53a 0000 0000
		0000 0000 0000 62d7 1c8d 0dad 62d7 1c8d 0000 1899 220f 0a02 0148 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	9.91	1891	166	7					85.61	152.06	7	RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:21.950	Radar Report Msg	0b01 001c 003a ecba 1567 2604 04f4 1d8c 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	4.72	1931	170	1						85.42	157.42	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a ecba 155b 275b 025c 1e2c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	5.66	1885	166	2						85.73	156.42	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a ecba 156f 271b 02d4 1d74 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
4.16	2003	176	1			85.05	158.08	1		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a ecba 1543 2785 0214 1f4c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:22.050	406	2	4622		-154	-3			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+10.27	-21.97	155	24.21	1762 155	24.25	90.14	138.00	154	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
268	+3929	+3800	+3799	+3792	-1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:22.050	Active Track Maintenance Msg	1700 0058 0000 7687 0000 7aca 0000 76bb 003a eb73 fbf7 fff6 0522 f504 0000 0000
		f50b ffbf 0000 6e28 183f 0992 6e30 1840 003a 1689 2280 0af6 0196 0000 0000 0506
		061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:22.050	176	2	4772		+159	+52			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
+5.22	-9.98	152	11.21	1734 152	11.27	88.28	150.88	168	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
71	+4229	+4100	+4050	+3986	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 7c93 0000 842a 0000 7e91 003a eb52 fbf7 ff92 029c fb02 0000 0000
		0b5a 03bd 0000 6c63 0b45 09fa 6c60 0b44 1be0 1612 25b8 0bf4 00b0 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:22.050	160	2	4645		+250	+269			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+5.16	-11.59	156	12.64	1773 156	12.69	87.78	149.56	367	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
43	+15729	+15600	+15622	+15861	+44	-3	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 efa8 0001 eb8a 0001 e834 003a eb80 fbf7 0163 0294 fa34 0000 0000
		11cb 1321 ffe8 6edf 0cb0 09a5 6ef0 0cb0 0000 15f2 2564 1a20 00a0 0000 0000 0000
		041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:22.050	310	2	1051		+445	+101			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+9.96	-31.12	162	32.61	1846 162	32.67	87.52	129.44	457	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
77	+23000	+23000	+22980	+23151	+37	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:22.050 Active Track Maintenance Msg 1700 0058 0002 d37d 0002 cec0 0002 ce26 003a ebd0 0000 0129 04fb f071 0000 0000
1fb2 0731 0000 7366 20ac 0229 7360 20ac 0000 15e1 205c 2080 0136 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:22.050	248	2		0772		-236	-90		RADAR-ONLY: NO

FIRMNESS: 20

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+59.12	-1.00	91	59.07	1036	91 59.11	142.64	145.92	253	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
249	+16029	+15900	+15900	+15900	+0	+0	00111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 f0e0 0001 f4ea 0001 f0e0 003a e840 fbf7 0000 1d8f ff80 0000 0000
		ef2e f990 0000 40c0 3b1d 01fa 40b0 3b20 1be0 23a9 247b 1203 00f8 0000 0000 0000
		0507 1400 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:21.710	17	31.66	2151	189	5			73.05		132.91	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:22.080	Radar Report Msg	0b01 001c 003a ed3c 1243 213a 0fd4 219c 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		13.56	2198	193	6			79.47		149.94	6		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a ed46 13de 257c 06c8 2258 0206 0600 0004 0302 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:22.270	319	2	4725		+105	+21			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X	DISPLAY NM	DISPLAY Y	DISPLAY NM	PRED_AZIM AZI DEG	PREDICTED RANGE NM	SYSTEM ACP	SYSTEM DEG	SPEED RANGE NM	ALTITUDE FIRMNESS: 5
									VALID ALTITUDE: YES
+0.25	-0.34	141		0.40	1588	140		0.44	INHIBIT MSAW PROCESS:

SYSTEM X	SYSTEM NM	SYSTEM Y	SPEED NM	ALTITUDE KNOTS	INHIBIT MSAW DISPLAY:
85.92		161.45		108	

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID

DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
78 +629 +500 +486 +452 -7 +0 11011

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:22.270	Active Track Maintenance Msg	1700 0058 0000 0e26 0000 13aa 0000 0f30 003a eae7 fbf7 ffc7 0020 ffd5 0000 0000
		0786 018e 0000 634d 0071 09d5 6670 006c 0000 157b 285d 07af 013f 0000 0000 0000
		051b 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:22.490 580 2 4614 -47 +60 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-0.60 -17.79 181 17.76 2070 182 17.80 80.69 144.81 77 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
322 +4929 +4800 +4837 +4877 +8 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:22.490	Active Track Maintenance Msg	1700 0058 0000 986c 0000 9a0a 0000 9728 003a eccc fbf7 0046 ffb3 f71b 0000 0000
		fca0 0452 0000 8163 11cd 098c 7fff 11cc a014 142c 2434 057b 0244 0000 0000 000c
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:22.490	219	2	1060		-401	-123			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
-2.70	-18.57	188	18.75	2141 188	18.79	78.80	145.36	420	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
253	+35000	+35000	+34994	+34988	-1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 4566 0004 45c0 0004 4590 003a ed1d 0000 fff8 fea7 f6b7 0000 0000
		e36e f73b 0000 85d6 12c9 0230 7fff 12c4 5858 13b3 2457 1de2 00db 0000 0000 2e88
		081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:22.490	449	2	7242		-315	+148			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
-3.00	-32.52	185	32.64	2107 185	32.67	74.78	131.55	348	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
295	+33000	+33000	+33002	+32998	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 0731 0004 0740 0004 0751 003a ecf7 0000 fffa fe80 efbd 0000 0000 e990 0a89 0000 83b4 20ac 0ea2 7fff 20ac 0000 12b2 20e3 18ca 01c1 0000 0000 4e53 061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:22.490 49 2 6311 +356 -72 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-7.65 -44.88 189 45.52 2157 190 45.56 67.02 120.39 363 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
101 +10029 +9900 +9863 +9737 -27 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 3049 0001 396a 0001 3438 003a ed2f fbf7 ff28 fc2d e990 0000 0000
1954 fade 0000 86d0 2d90 0cc9 7fff 2d88 0007 10c1 1e19 19d8 0031 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:22.490 361 2 1022 -223 -110 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-4.98 -18.00 195 18.66 2222 195 18.62 76.39 145.69 249 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
243 +4529 +4400 +4377 +4661 +69 +3 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 91a9 0000 8d8a 0000 88c8 003a ed7a fbf7 0229 fd82 f700 0000 0000
f01b f823 001a 8ae2 129e 0212 7fff 12b0 a013 1319 246c 11bb 0169 0000 0000 f51d
041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:22.490	437		2	1200		+0	+0		RADAR-ONLY: NO

FIRMNESS: 7

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: YES
+11.62	-1.10	95	11.61	1086	95	11.67	96.72	157.83	0 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1729	+1600	+1600	+1600	+0	+0	00001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 3200 0000 360a 0000 3200 003a e879 fbf7 0000 05cf ff73 0000 0000
0000 0000 0000 43e0 0bac 0280 43e0 0bac a008 182e 2775 0000 01b5 0000 0000 0000
0301 0700 0203 1000 0303 0100 0000 0100 0001 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:22.500 379 2 6312 +263 -3 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-4.20 -12.51 198 13.18 2257 198 13.21 78.56 150.84 263 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
90 +7929 +7800 +7791 +7650 -30 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:04:22.500 Active Track Maintenance Msg 1700 0058 0000 ef16 0000 f7ca 0000 f379 003a eda1 fbf7 ff0e fde6 f9bf 0000 0000
12c4 ffbe 0000 8d17 0d35 0cca 7fff 0d34 4004 13a4 25b6 12c4 017b 0000 0000 001c
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:22.500 173 2 6307 +518 -224 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-8.27 -13.84 210 16.09 2399 211 16.13 74.91 151.17 564 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
113	+33000	+33000	+33000	+33000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 0740 0004 0740 0004 0740 003a ee3e 0000 0000 fbde f915 0000 0000 24da f00d 0000 95f8 1021 0cc7 7fff 1020 003a 12ba 25cb 2827 00ad 0000 0000 0400 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:22.260	20	4.44	2243	197	1		83.59		158.33	1			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:22.500	Radar Report Msg	0b01 001c 003a ee7c 14e6 2795 0238 230c 0201 0100 0001 0000 1d00 0000

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TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	18.72	2259	199	3			75.55		146.23	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a ee7c 12e3 248f 095c 234c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	5.56	2506	220	1			81.41		158.78	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:22.520	Radar Report Msg	0b01 001c 003a eefe 145a 27b2 02c8 2728 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	12.34	2538	223	3			75.42		155.30	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a eefe 12db 26d3 062c 27a8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	29.03	2510	221	7			61.95		145.33	7		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a eefe 0f7d 2455 0e84 2738 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X NM	Y NM	STAT					
	7.44	2499	220	1				79.88	157.59	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a eefe 13f8 2766 03b8 270c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X NM	Y NM	STAT					
	5.56	2531	222	1				81.30	158.95	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a eefe 1453 27bd 02c8 278c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.97	2582	227	3			80.72	159.11	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a eefe 142e 27c7 02fc 2858 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:22.380	21	6.78	2624	231	2		79.78	159.08	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:22.610	Radar Report Msg	0b01 001c 003a ef6c 13f2 27c5 0364 2900 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.22	2666	234	1			79.20	159.31	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a ef6c 13cd 27d4 039c 29a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	9.66	2731	240	1			76.59	159.33	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:22.840 Radar Report Msg 0b01 001c 003a f03e 1326 27d5 04d4 2aac 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	8.06	2656	233	2			78.44		158.89	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a f03e 139c 27b9 0408 2980 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	4.38	2714	239	2			81.88		160.66	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a f03e 1478 282a 0230 2a68 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	8.69	2658	234	3			77.84	158.67	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a f03e 1376 27ab 0458 2988 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	8.75	2743	241	4			77.44	159.72	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a f03e 135c 27ee 0460 2adc 0204 0400 0001 0303 1d00 0000
01:04:23.050	Delete Track Msg	1704 0008 0118 0410

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:23.050	8	2	1273		+9	-6			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-37.73	-33.26	228	50.26	2600 229	50.29	40.86	139.23	11	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
122	-899	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:23.050 Active Track Maintenance Msg 1700 0058 ffff e3e1 ffff e3e1 ffff e3e1 003a ef22 0000 0000 ed23 ef5f 0000 0000
00b2 ff8e 0000 a28d 324b 02bb 7fff 324c 0000 0a37 22cf 00d4 0008 0000 0000 0000
0a1f 2603 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:23.050	586	2	4673		+321	-13			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
-15.09	-12.11	231	19.30	2631 231	19.35	68.16	153.97	321	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
92	+10029	+9900	+9902	+9908	+1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 35a0 0001 396a 0001 3577 003a ef43 fbf7 0009 f874 f9f2 0000 0000
		16df ff05 0000 a476 1359 09bb 7fff 135c 0e48 110a 267e 16e4 024a 0000 0000 0000
		071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:23.050	304	2	7342		-318	+163			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-31.19	-19.02	238	36.52	2714 239	36.55	51.22	151.47	358	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
297	+35000	+35000	+35000	+35000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 45c4 0004 45c0 0004 45c4 003a efa2 0000 0000 f068 f67d 0000 0000
		e955 0b9e 0000 a9ad 248c 0ee2 7fff 2488 031c 0cce 25de 1979 0130 0000 0000 0001
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:04:23.050	Delete Track Msg	1704 0008 0250 0810

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:22.820	24	2.00	2795	246	5		84.61	161.64	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:23.050	Radar Report Msg	0b01 001c 003a f0b6 1527 2869 0100 2bac 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	15.75	2747	241	2			70.56		158.08		2		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a f0b6 11a4 2785 07e0 2aec 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	12.00	2836	249	3			73.95		160.58		3		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a f0b6 127d 2825 0600 2c50 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	14.94	2998	263	2		71.08	163.94	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:23.060	Radar Report Msg	0b01 001c 003a f12e 11c5 28fc 0778 2ed8 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:23.150	591	N31F	2	0260	0260	1Y	+52	+76	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-7.37	-2.25	252	7.65	2878 253	7.71	78.08	161.52	92	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: YES

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC WINDOW
34	+1929	+1800	+1779	+1775	+0	+0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:23.150	Active Track Maintenance Msg	1700 0058 0000 377a 0000 3c4a 0000 379f 003a f059 fbf7 fff9 fc51 fee0 0000 0000
		03bd 0571 0000 b3ef 07b6 00b0 7fff 07b4 003a 1385 2861 069a 024f 0000 0000 0400
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 00b0 008a 0104 ffff ffff 003d 000e 0000
		0000 0000 0000 0000 0000 008a 008a 0000 0000 0000 0000 0000 00c9 0215 024f 015c
		0000 00b1 0000 013a 00d7 00d5 0000 0000 0000 0000 0000 0000 0000 0448 ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0004 2020 2fff 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0702
0001 0000 0000 0043 0000 0000 0000 0000 0000 0000 564e 5900 2020 2020 2020 2020
2020 0000 4e33 3146 0000 0000 0000 0000 0000 0000 0059 0000 0000 0020 564e 5900
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:23.150 545 2 4706 -150 -38 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-24.14 -6.20 255 24.90 2907 256 24.94 60.86 161.95 155 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
255 +4029 +3900 +3900 +3900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:23.150	Active Track Maintenance Msg	1700 0058 0000 79e0 0000 7dea 0000 79e0 003a f07b fbf7 0000 f3ee fce6 0000 0000
		f54a fd49 0000 b5be 18f0 09c6 7fff 18ec 0390 0f37 287d 0b0d 0221 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:23.150	87	CPF420	2	4664	4664	1X	+107	-53	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6
-4.13	-0.77	259	4.19	2950 259	4.25	81.64	162.14	120	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
116	+5129	+5000	+4980	+5036	+13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 9d67 0000 a04a 0000 9ba2 003a f0ad fbf7 0068 fdef ff9e 0000 0000
		07a6 fc36 0003 b86d 0440 09b4 7fff 0434 0001 1469 2889 0889 0057 0000 0000 844a
		061f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
		0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09b4 0015 0032 0032 0032 003c 017c 0000
		0000 0000 0000 0000 0000 0001 0026 0000 0000 0000 00ed 0000 01b0 009b 0057 0201
		0000 016b 0000 0010 0184 0185 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
		0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 2eff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102

0001 0000 0000 0043 4332 3036 0000 0000 5748 5000 544f 4100 2020 2020 2020 2020
2020 0000 4350 4634 3230 0000 0000 0035 3634 0000 0058 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:23.150	532	2		7234		-140	-155		RADAR-ONLY: NO

FIRMNESS: 15

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-2.01	-16.93	186	16.99	2118 186	16.83	79.55	145.98	209	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
222	+2629	+2500	+2466	+2585	+25	+0	00011

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 50ce 0000 522a 0000 4d15 003a ed0a fbf7 00cf feff f789 0000 0000 f60a f4ee 0000 846f 10d4 0e9c 7fff 110c 0001 13e3 247f 0ee5 0214 0000 0000 65f0 0403 0f00 0203 1000 0303 0100 0000 0100 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:04:22.920	25	6.34	3083	271	3		79.86	163.48	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:23.150	Radar Report Msg	0b01 001c 003a f188 13f7 28df 032c 302c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	13.72	3120	274	4		72.88	166.25	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a f188 1238 2990 06dc 30c0 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	12.84	3146	277	1		73.89	166.44	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a f188 1279 299c 066c 3128 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
13.47	3128	275	2			73.17	166.31	2		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a f188 124b 2994 06bc 30e0 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:23.270	275	2		0257	+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+35.09	+0.99	88	35.07	1005	88 35.11	119.95	153.86	124	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1729	+1600	+0	+1729	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:23.270	Active Track Maintenance Msg	1700 0058 0000 360a 0000 360a 0000 0000 0000 0000 fbf7 0000 118c 007f 0000 0000
		0000 0000 0000 3ed9 231b 00af 3ed9 231b 0000 1dfd 2677 08dd 0113 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:04:23.530	Delete Track Msg	1704 0008 0215 0110

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: OVR
01:04:23.540	274	N8063T	2	4763	4763	1V	+124	+34	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5
-16.55	-3.08	259	16.78	2953 260	16.84	69.03	163.05	128	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
74	+6929	+6800	+6777	+6739	-8	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:23.540	Active Track Maintenance Msg	1700 0058 0000 d29a 0000 d88a 0000 d3ca 003a f0ad fbf7 ffbf f7ba fe76 0000 0000
		08d2 026c 0000 b891 10d8 09f3 7fff 10d4 0000 1142 28c3 0925 0112 0000 0000 0000
		051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09f3 0005 0032 ffff 0032 002c 022a 0000
		0000 0000 0000 01b8 0000 0003 0015 0000 0000 0000 00ae 0000 0070 0245 0112 00cb
		0000 002d 0000 0194 0133 0144 0000 0000 0000 0000 0000 0000 0000 042f ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
		0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000

0000 0000 0006 2000 00ff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0036 5041 3332 0000 0000 4f58 5200 4844 4600 2020 2020 2020 2020
2020 0000 4e38 3036 3354 0000 0000 0030 3030 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:23.540	475	N6887L	2	4714	4714	1V	+182	+12	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4
-17.83	-1.28	266	17.86	3025 266	17.88	68.22	165.11	183	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
86	+4929	+4800	+4818	+4818	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 9691 0000 9a0a 0000 9691 003a f0ff fbf7 0000 f716 ff5c 0000 0000
		0cfc 00e1 0000 bd12 11e0 09cc 7fff 11e0 003a 110e 2947 0d04 01db 0000 0000 0000
		041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0004 0000 0000 0000 0000 0000 0000
		0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 2000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09cc 0005 0000 ffff 0032 0038 0253 0000
		0000 0000 0000 00f3 0000 0003 0015 0000 0000 0000 00f2 0000 0014 0138 01db 00c3
		0000 01aa 0000 0062 0054 01c9 0000 0000 0000 0000 0000 0000 0000 025c ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
		0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 1dff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
		0001 0000 0000 0036 4334 3231 0000 0000 4f58 5200 4343 4200 2020 2020 2020 2020
		2020 0000 4e36 3838 374c 0000 0000 0037 3937 0000 0056 0000 0000 0020 0000 0000
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:23.540	297	2	1056		-12	+94			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-41.22	-1.65	267	41.22	3046 268	41.24	45.52	170.69	95	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
352	+6329	+6200	+6197	+6267	+15	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 c3d9 0000 c5ca 0000 c1aa 003a f116 fbf7 0079 eb64 ff2d 0000 0000 ff1c 06b7 0000 be69 293d 022e 7fff 2940 1000 0b61 2aac 06c6 0129 0000 0000 31b5 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:23.540	9	2	1275		-5	+3			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID
-12.51	-10.98	228	16.61	2601 229	16.68	70.89	154.38	6	ALTITUDE: YES

FIRMNESS: 10

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
303	-470	-599	-599	-599	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 ffff ed41 ffff f14b ffff ed41 003a ef23 fbf7 0000 f9bf fa82 0000 0000 ffa3 003d 0000 a29b 10af 02bd 7fff 10a8 0000 11b9 2698 006f 0009 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:04:23.280	28	12.41	3227	284	3			74.94	167.66	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:23.540	Radar Report Msg	0b01 001c 003a f2dc 12bc 29ea 0634 326c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	10.06	3251	286	4				77.20	166.86	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a f2dc 134d 29b7 0508 32cc 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	13.94	3283	289	4				74.19	169.41	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a f2dc 128c 2a5a 06f8 334c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
10.16	3258	286	1				77.17	167.00	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a f2dc 134b 29c0 0514 32e8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.25	3281	288	5				80.70	165.13	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a f2dc 142d 2948 0320 3344 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
4.84	3296	290	7				82.00	164.41	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a f2dc 1480 291a 026c 3380 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	14.09	3290	289	1					74.14	169.63	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a f2dc 1289 2a68 070c 3368 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:23.590	362	2		0006	+226	-361			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
-25.61	-0.23	269	25.56	3065 269	25.55	61.06	168.08	426	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
148	+15329	+15200	+15209	+14947	-57	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:23.590	Active Track Maintenance Msg	1700 0058 0001 d31d 0001 df0a 0001 db4d 003a f12d fbf7 fe33 f332 ffe2 0000 0000
		101a e64c fffe bf98 198d 0006 7fff 199c 0000 0f44 2a05 1e54 016a 0000 0000 0000
		051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED:

NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:23.590 84 N774CS 2 3376 3376 1W +155 -150 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-20.95 +4.40 281 21.39 3207 282 21.43 66.67 171.38 216 INHIBIT MSAW PROCESS: YES
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
134 +9729 +9600 +9640 +9597 -9 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:23.590	Active Track Maintenance Msg	1700 0058 0001 2be9 0001 300a 0001 2d45 003a f1cb fbf7 ffb4 f587 0233 0000 0000 0b0d f544 0000 c871 156e 06fe 7fff 1568 0124 10ab 2ad8 0f68 0054 0000 0000 f8c0 0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 06fe 0003 012c ffff f830 0037 01ab 0000
0000 0000 0000 015e 0000 0007 002e 0000 0000 0000 00a9 0000 0215 0249 0054 0250
0000 0149 0000 0213 0091 014a 0000 0000 0000 0000 0000 0000 0000 03cb ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2056 2eff 0000 0000 0000 0000 0000 0101 0003 0000 0001 0001 0502
0001 0000 0000 0043 4332 3130 0000 0000 5341 3900 544f 4100 2020 2020 2020 2020
2020 0000 4e37 3734 4353 0000 0000 0036 3032 0000 0057 0000 0000 0020 0000 004f
4646 5620 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:23.590 194 DDA77 2 4043 4043 0 +352 -324 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-41.41 +15.90 291 44.31 3310 291 44.30 49.83 187.66 479 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
132 +17229 +17100 +17081 +16798 -59 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0002 0cf3 0002 1a6a 0002 15ca 003a f240 fbf7 fe24 eb4b 07f3 0000 0000

1918 e8f0 0006 cee0 2c4c 0823 7fff 2c5c 0031 0c75 2eea 2215 00c2 0000 0000 0700
051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0823 0000 0136 ffff 0172 003f 0204 0000
0000 0000 0000 0001 0007 0007 0007 0000 0000 0000 00ab 0000 0090 00b2 00c2 0000
0000 0000 0000 00c8 0155 0189 0000 0000 0000 0000 0000 0000 0000 023d ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000 0100 0000
0100 0000 0001 0000 0001 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0005 2000 2fff 0000 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0102
0001 0000 0000 0043 4c4a 3335 0000 0000 4649 4d00 564e 5900 2020 2020 2020 2020
2020 0000 4444 4137 3700 0000 0000 0033 3535 0000 0000 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.28	3422	301	4			80.78	166.89	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:23.600	Radar Report Msg	0b01 001c 003a f354 1432 29b9 03a4 3578 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.13	3427	301	4			80.94	166.81	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a f354 143c 29b4 0390 358c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	6.53	3510	308	5			81.97	166.89	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a f354 147e 29b9 0344 36d8 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:23.490	29	1.63	3584	315	0		85.22	162.77	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:23.710 Radar Report Msg 0b01 001c 003a f3c2 154e 28b1 00d0 3800 0200 0000 0000 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
10.25	3622	318	5						81.17	170.84	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a f3c2 144b 2ab6 0520 3898 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.28	3674	323	2						83.84	166.48	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a f3c2 14f6 299f 02a4 3968 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:23.810	384	2	1200		+106	+41			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-33.80	-1.04	268	33.76	3052 268	33.81	52.84	169.39	114	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
68	+5629	+5500	+5500	+5500	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:23.810	Active Track Maintenance Msg	1700 0058 0000 abe0 0000 afea 0000 abe0 003a f11d fbf7 0000 ef1a ff7b 0000 0000 0795 02f4 0000 bec3 21d0 0280 7fff 21d0 0001 0d36 2a59 0823 0180 0000 0000 dd4c 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:04:23.940	Delete Track Msg	1704 0008 01a8 0210

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:23.940	400	2	4675		-197	-42			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-43.09	+32.67	307	54.02	3493 307	54.08	52.41	204.31	201	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
258	+14029	+13900	+13900	+13900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:23.940	Active Track Maintenance Msg	1700 0058 0001 b260 0001 b66a 0001 b260 003a f30f fbf7 0000 ea75 1056 0000 0000 f1fc fd01 0000 da5c 3614 09bd 7fff 3614 4065 0d1a 3314 0e55 0190 0000 0000 001c 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:23.940	56	2	4752	-137	+173				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-28.87	+23.61	309	37.22	3519 309	37.31	63.86	191.95	221	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
321	+12029	+11900	+11900	+11900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 73e0 0001 77ea 0001 73e0 003a f32a fbf7 0000 f191 0bce 0000 0000
f63f 0c5c 0000 dbf8 2550 09ea 7fff 254c 0001 0ff7 2ffd 0fbf 0038 0000 0000 d220
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:23.940 51 2 1331 -202 +275 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-26.41 +20.23 307 33.21 3498 307 33.27 65.58 187.80 341 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
323 +31000 +31000 +31000 +31000 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0003 c8c0 0003 c8c0 0003 c8c0 003a f313 0000 0000 f2cb 0a1d 0000 0000
f19a 1397 0000 daa7 2144 02d9 7fff 2144 1501 1065 2ef3 1850 0033 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:23.940 392 2 7304 -259 +264 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 7
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-28.23 +24.35 310 37.22 3536 311 37.28 64.75 192.38 370 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
315	+23700	+23700	+23718	+23823	+22	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 e878 0002 e4a0 0002 e531 003a f33e 0000 00b3 f1e3 0c2d 0000 0000 ed8c 12d7 0000 dd02 2548 0ec4 7fff 2548 0000 1030 3018 1a5f 0188 0000 0000 e484 071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:23.730	31	5.00	3689	324	2		84.06		166.25	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:23.940	Radar Report Msg	0b01 001c 003a f43a 1504 2990 0280 39a4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	4.91	3690	324	1			84.11	166.16	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a f43a 1507 298a 0274 39a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	4.78	3701	325	2			84.22	166.06	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a f43a 150e 2984 0264 39d4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	36.91	3875	341	4			82.72	198.56	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:23.950	Radar Report Msg	0b01 001c 003a f49e 14ae 31a4 1274 3c8c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	4.34	3834	337	1			85.17	165.81	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a f49e 154b 2974 022c 3be8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.03	3834	337	1			85.08		166.55		1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a f49e 1545 29a3 0284 3be8 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:24.040 322 N900RL 2 3601 3601 1Y +53 -217 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-9.88 +9.91 315 13.96 3582 315 13.98 78.73 173.91 224 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
166 +6629 +6500 +6520 +6479 -10 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:04:24.040 Active Track Maintenance Msg 1700 0058 0000 ca78 0000 cf2a 0000 cbc7 003a f375 fbf7 ffa9 fb0f 04f4 0000 0000
03cb f088 fffa dfe5 0dfb 0781 7fff 0e00 400b 13af 2b7a 0fee 0142 0000 0000 0058
051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0781 008a 0122 ffff 01c2 0037 01b6 0000
0000 0000 0000 00e6 0000 0001 0001 0000 0000 0000 008f 0000 012b 00a5 0142 009b
0000 01c6 0000 01cb 000c 020d 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0100 0000 0000 0000 0000 0100 0201 0000 0001 0001 0702
0001 0000 0000 0031 474c 4634 0000 0000 504d 4400 5656 5600 2020 2020 2020 2020
2020 0000 4e39 3030 524c 0000 0000 0035 3736 0000 0059 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	6.34	3878	341	4				85.28		167.94	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:24.050	Radar Report Msg	0b01 001c 003a f516 1552 29fc 032c 3c98 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	6.94	3987	350	1				86.36		168.55	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a f516 1597 2a23 0378 3e4c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:24.160	59	2		4603		+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+51.00	+8.84	80	51.75	912 80	51.76	137.23	157.41	322	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
0	+20000	+20000	+0	+20000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:24.160	Active Track Maintenance Msg	1700 0058 0002 7100 0002 7100 0000 0000 0000 0000 0000 0000 1980 046c 0000 0000 0000 0000 0000 3901 33c2 0983 3901 33c2 0000 224f 275a 16ef 003b 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

END TIME	START TIME	TARGET REPORTS:	LIVE	SIMULATED	VALID MODE-C:	0
01:04:23.940	01:04:19.380	RADAR-ONLY	107	0	0.0%	
SENSOR = 2		BEACON-ONLY	0	0		
		RADAR & BEACON	0	0	VALID MODE-3/A:	0
		TOTAL	107	0	0.0%	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:24.160	Sensor Sector Mark Msg	1715 000c 003a f584 0000 0200

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
01:04:23.940	0	11.09	4052	356	1			87.83	172.61	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:24.160	Radar Report Msg	0b01 001c 003a f584 15f5 2b27 058c 3f50 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.59	3994	351	1					86.81			172.25	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a f584 15b4 2b10 054c 3e68 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.06	4012	353	3					86.38			166.59	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a f584 1598 29a6 0288 3eb0 0203 0300 0001 0203 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: DEP
01:04:24.260 74 N40905 2 6701 6701 0 -57 +62 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-9.60 +16.24 329 18.80 3748 329 18.86 80.63 179.92 84 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
317 +10129 +10000 +10009 +10035 +5 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:04:24.260 Active Track Maintenance Msg 1700 0058 0001 399d 0001 3c8a 0001 38ce 003a f42c fbf7 002d fb33 081f 0000 0000
fbec 0472 0000 ea46 12dc 0dc1 7fff 12e0 0000 1428 2cfb 0608 004a 0000 0000 0000
051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0dc1 0000 0064 0064 0064 058a 0094 0000
0000 0000 0000 0000 0000 0058 0005 0000 0000 0000 029c 0000 01cc 012f 004a 01c6
0000 0213 0000 0001 0134 005a 0000 0000 0000 0000 0000 0000 0000 00dc ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 9900 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
0001 0000 0000 0043 5032 3852 0000 0000 4d59 4600 4c48 5300 2020 2020 2020 2020
2020 0000 4e34 3039 3035 0000 0000 0035 3837 0000 0000 0000 0000 0020 0000 0056
3539 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:24.270	2	17.84	202	18	3		95.30	176.83	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:24.520	Radar Report Msg	0b01 001c 003a f6d8 17d3 2c35 08ec 0328 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.34	195	17	1			91.14	170.52	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a f6d8 16c9 2aa1 052c 030c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.72	260	23	1			92.22	170.23	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a f6d8 170e 2a8f 055c 0410 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.63	260	23	3			92.16	170.16	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:24.530	Radar Report Msg	0b01 001c 003a f6e2 170a 2a8a 0550 0410 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	17.91	294	26	5			97.34	175.39	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a f6e2 1856 2bd9 08f4 0498 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED:
01:04:24.600	358	2		7303		+166	+305		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X	DISPLAY NM	DISPLAY Y	DISPLAY NM	PRED_AZIM AZI DEG	PREDICTED RANGE NM	SYSTEM ACP	SYSTEM DEG	SPEED RANGE NM	ALTITUDE X	FIRMNESS: 6 NM	ALTITUDE Y	NM	VALID ALTITUDE: YES
										KNOTS			

-1.10 +16.70 356 16.72 4049 356 16.71 88.89 178.03 347 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
28	+17800	+17800	+17826	+18172	+74	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:24.600	Active Track Maintenance Msg	1700 0058 0002 37e2 0002 2c40 0002 2d11 003a f583 0000 0251 ff73 0859 0000 0000 0bd0 15bf fffd fd1b 10b5 0ec3 7fff 10bc 1b8e 1639 2c82 18bf 0166 0000 0000 0000 061f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:24.600 460 EJA631 2 4757 4757 0 -264 -160 RADAR-ONLY: NO
FIRMNESS: 34
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+5.12 +26.79 10 27.22 121 11 27.27 97.48 186.39 309 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
238 +12529 +12400 +12402 +12209 -42 +0 01111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

01:04:24.600 Active Track Maintenance Msg 1700 0058 0001 7d8c 0001 878a 0001 8393 003a f60e fbf7 feb0 028f 0d65 0000 0000
ed35 f493 0000 0793 1b45 09ef 07b0 1b48 0000 185f 2e99 15fe 01cc 0000 0000 0155
050f 2200 0201 1000 0303 0100 0000 0000 0000 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09ef 0000 0172 ffff ffff 003c 026d 0000
0000 0000 0000 0001 0001 0001 0001 0000 0000 0000 009a 0000 003e 01bd 01cc 01a5
0000 01e5 0000 01c8 005b 0124 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2fff 0100 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0702
0001 0000 0000 0031 4335 3658 0000 0000 504d 4400 564e 5900 2020 2020 2020 2020
2020 0000 454a 4136 3331 0000 0000 0039 3135 0000 0000 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE--- ASSIGNED	BEACON CODE--- REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:24.700	491		2	2734	+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+32.46	-20.95	122	38.61	1397 123	38.63	111.81	133.31	131	INHIBIT MSAW PROCESS: INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1229	+1100	+0	+1229	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:24.700	Active Track Maintenance Msg	1700 0058 0000 266a 0000 266a 0000 0000 0000 0000 fbf7 0000 103b f586 0000 0000 0000 0000 0000 575a 26a2 05dc 575a 26a2 0000 1bf4 2154 095e 01eb 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:24.490	4	27.28	362	32	3		105.52	180.58	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:24.700	Radar Report Msg	0b01 001c 003a f7a0 1a61 2d25 0da4 05a8 0203 0300 0003 0003 1d00 0000
01:04:24.920	Delete Track Msg	1704 0008 011a 0010

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:24.690	5	7.22	467	41	1		91.58	165.80	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:24.930	Radar Report Msg	0b01 001c 003a f818 16e5 2973 039c 074c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		7.25	490	43	4		91.73	165.61	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a f822 16ef 2967 03a0 07a8 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:24.820	6	7.38	515	45	1		91.98	165.44	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:25.040	Radar Report Msg	0b01 001c 003a f87c 16ff 295c 03b0 080c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	1.31	598	53	0			86.58	162.17	0					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a f87c 15a5 288b 00a8 0958 0200 0000 0000 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.03	732	64	7			89.39	162.53	7					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:25.050	Radar Report Msg	0b01 001c 003a f8fe 1659 28a2 0204 0b70 0207 0700 0003 0302 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	3.66	699	61	4			88.94	162.63	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a f8fe 163c 28a8 01d4 0aec 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.00	757	67	4			89.38	162.39	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a f8fe 1658 2899 0200 0bd4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:25.140	8	5.28	974	86	4		90.70	160.94	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:25.370	Radar Report Msg	0b01 001c 003a f9da 16ad 283c 02a4 0f38 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:25.490	6	2	1274	-3	+9				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X	DISPLAY NM	DISPLAY Y	DISPLAY NM	PRED_AZIM AZI DEG	PREDICTED RANGE NM	SYSTEM ACP	SYSTEM DEG	SYSTEM RANGE NM	SPEED X NM	SPEED Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
												VALID ALTITUDE: YES

+37.57 +17.84 64 41.57 734 65 41.58 126.63 169.58 10 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
340	-770	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:25.490	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e7eb ffff e3e1 003a f8be fbf7 0000 12c9 08eb 0000 0000 ffc1 00ad 0000 2de3 2994 02bc 2df0 2998 159e 1fa8 2a65 00b9 0006 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:25.280	9	8.81	1106	97	3		93.80		158.61	3				RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:25.500	Radar Report Msg	0b01 001c 003a fab6 1773 27a7 0468 1148 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	29.88	1115	98	7			113.28	150.34	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a fab6 1c52 2596 0ef0 116c 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:25.380	10	38.03	1123	99	4		120.63	146.77	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:25.600	Radar Report Msg	0b01 001c 003a fb24 1e28 24b1 1304 118c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	11.09	1155	102	3			95.61	156.98	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a fb24 17e7 273f 058c 120c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	2.91	1123	99	0			87.97	160.88	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a fb24 15fe 2838 0174 118c 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
	7.63	1169	103	4						92.38		158.41	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a fb24 1718 279a 03d0 1244 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
	6.34	1232	108	3						90.91		158.50	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a fb24 16ba 27a0 032c 1340 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	7.56	1172	103	4			92.30	158.41	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a fb24 1713 279a 03c8 1250 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	40.91	1155	102	4			122.42	143.80	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a fb24 1e9b 23f3 1474 120c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	51.03	1180	104	4			130.63	137.59	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a fb24 20a8 2266 1984 1270 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	20.66	1242	109	1			102.86	150.38	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a fb24 19b7 2598 0a54 1368 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:25.710	523	2	0646		-228	-84			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+39.87	-1.47	92	39.84	1048 92	39.89	123.91	150.34	243	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
249	+12629	+12500	+12479	+12419	-12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:25.710	Active Track Maintenance Msg	1700 0058 0001 841a 0001 8aaa 0001 85fa 003a fa1f fbf7 ff99 13ef ff44 0000 0000
		efbd f9fe 0000 418b 27e3 01a6 4180 27e4 0000 1efa 2596 1156 020b 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
21.00	1259	111	7				102.84	149.73	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:25.710	Radar Report Msg	0b01 001c 003a fb4c 19b6 256f 0a80 13ac 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
48.28	1243	109	4				125.80	134.91	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a fb4c 1f73 21ba 1824 136c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
10.84	1256	110	7				94.53	155.67	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a fb4c 17a2 26eb 056c 13a0 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.53	1263	111	2				91.73	157.55	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a fb4c 16ef 2763 03c4 13bc 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
5.66	1219	107	1				90.36		158.98	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a fb4c 1697 27bf 02d4 130c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
58.97	1243	109	4				134.66		128.95	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a fb4c 21aa 203d 1d7c 136c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	6.31	1259	111	4				90.73		158.31	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a fb4c 16af 2794 0328 13ac 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	5.31	1268	111	4				89.84		158.86	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a fb4c 1676 27b7 02a8 13d0 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	46.53	1284	113	4				122.63		133.52	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a fb4c 1ea8 2161 1744 1410 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	40.22	1287	113	5				117.52		137.22	5		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:25.710 Radar Report Msg 0b01 001c 003a fb88 1d61 224e 141c 141c 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
7.34	1289	113	2			91.41		157.42		2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a fb88 16da 275b 03ac 1424 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:25.810	101	2	3507	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+25.20	-26.68	136	36.65	1554 137	36.70	103.33	129.64	213	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:25.810	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0c99 f2a9 0000 0000 0000 0000 0000 612a 24b2 0747 612a 24b2 0000 19d5 2069 0f35 0065 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:25.930	527	2	4676	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+23.93	-26.63	138	35.76	1570 138	35.80	102.13	130.00	92	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1929	+1800	+0	+1929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:25.930 Active Track Maintenance Msg 1700 0058 0000 3c4a 0000 3c4a 0000 0000 0000 0000 fbf7 0000 0bf7 f2b0 0000 0000
0000 0000 0000 622b 23cc 09be 622b 23cc 0000 1988 2080 069c 020f 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:25.930	245	2	5266		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+45.39	-6.60	98	45.84	1118 98	45.87	127.97	143.89	162	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+4229	+4100	+0	+4229	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 842a 0000 842a 0000 0000 0000 0000 fbf7 0000 16b2 fcb3 0000 0000
		0000 0000 0000 45e2 2dde 0ab6 45e2 2dde 0000 1ffe 23f9 0b89 00f5 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:25.930	451	2	3220		+0	+0			RADAR-ONLY: NO
									FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0
+4.89	-14.96	162	15.71	1842 162	15.74	86.69	146.13	142	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
0	+829	+700	+0	+829	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:25.930	Active Track Maintenance Msg	1700 0058 0000 19ea 0000 19ea 0000 0000 0000 0000 fbf7 0000 0272 f885 0000 0000
		0000 0000 0000 7320 0fbd 0690 7320 0fbd 0000 15ac 2488 0a1e 01c3 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:25.590	11	41.38	1427	125	4			112.28	130.13	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:25.930	Radar Report Msg	0b01 001c 003a fbf6 1c12 2088 14b0 164c 0204 0400 0005 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE--- ASSIGNED	BEACON CODE--- REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:26.030	519	2	1631	-160	-93				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+50.94	-10.20	101	51.95	1153 101	51.96	132.44	139.06	185	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
239	+8029	+7900	+7900	+7900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:26.030	Active Track Maintenance Msg	1700 0058 0000 f6e0 0000 faea 0000 f6e0 003a fa95 fbf7 0000 1978 fae6 0000 0000 f49e f953 0000 481b 33f5 0399 4810 33f4 5858 211c 22c4 0d33 0207 0000 0000 45cc 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: DEP
01:04:26.030 394 N121NA 2 1320 1320 1V -126 -7 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 8
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+17.76 -3.13 100 18.02 1136 100 18.04 102.13 154.31 127 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
266 +6029 +5900 +5904 +5907 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 b89f 0000 bc6a 0000 b882 003a fa84 fbf7 0006 08e1 fe6f 0000 0000
f6f9 ff73 0000 470d 120b 02d0 4720 1208 a004 1988 2694 090b 018a 0000 0000 0000
081f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 02d0 0005 003c 003c 003c 0000 023d 0000
0000 0000 0000 0000 0000 0024 0003 0000 0000 0000 02db 0000 001a 015e 018a 0099
018b 0027 0000 0113 0248 0168 0000 0000 0000 0000 0000 0000 0000 020e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 a4ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5041 3434 0000 0000 5241 4c00 5344 3800 2020 2020 2020 2020
2020 0000 4e31 3231 4e41 0000 0000 0036 3932 0000 0056 0000 0000 0020 0000 0046
3036 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE ASSIGNED	BEACON CODE REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:26.030	298	2	0771	-201	-100				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+27.01	-6.63	103	27.80	1179 104	27.80	110.19	148.59	225	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
243	+9129	+9000	+9028	+8964	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 1824 0001 1d4a 0001 1a26 003a fab4 fbf7 ff91 0d81 fcaf 0000 0000 f1ac f8e2 0000 49bc 1bce 01f9 49d0 1bd0 7fff 1b8c 2526 1000 012a 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:26.030	339	2	2201	-179	-76				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+47.52	-13.39	105	49.34	1204 106	49.33	128.33	136.86	194	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
247	+8029	+7900	+7893	+7836	-9	+1	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 f4e5 0000 faea 0000 f6a8 003a facd fbf7 ffb1 17c3 f94e 0000 0000
		f33c fa98 0008 4b43 3154 0481 4b30 3160 7fff 2015 2237 0ddd 0153 0000 0000 0000
		041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:26.030	389	2	1654	-170	+66				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+41.35	-14.30	109	43.70	1243 109	43.77	122.13	137.55	183	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
291	+6729	+6600	+6586	+6525	-8	+1	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 cbed 0000 d24a 0000 cdd7 003a faf8 fbf7 ffb9 14ad f8da 0000 0000
f3e0 04c2 000f 4db9 2bc6 03ac 4d90 2bc0 7fff 1e88 2263 0d07 0185 0000 0000 0000
041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:26.030	590	2	4624		-18	-102			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+33.82	-15.87	115	37.32	1309 115	37.38	114.45	137.92	104	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
190	+3029	+2900	+2875	+2875	+0	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 59db 0000 5eaa 0000 59db 003a fb45 fbf7 0000 10e9 f811 0000 0000
feab f8ae 0000 51de 2560 0994 51e0 255c 7fff 1c9d 227b 0770 024e 0000 0000 0000
041f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:26.030 207 N8451R 2 4647 4647 1X -108 +7 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+5.70 -2.74 115 6.29 1315 116 6.34 90.55 157.78 108 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
274 +6029 +5900 +5899 +5899 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 b85f 0000 bc6a 0000 b85f 003a fb4c fbf7 0000 02da fea1 0000 0000
f851 008a 0000 5234 0656 09a7 5240 0654 7fff 16a3 2772 07b4 00cf 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09a7 0015 003c 003c 003c 0028 0068 0000
0000 0000 0000 0000 0000 0026 0001 0000 0000 0000 00b0 0000 0037 00e1 00cf 0041
0000 0044 0000 01bb 0036 00bd 0000 0000 0000 0000 0000 0000 0000 020c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102

0001 0000 0000 0043 5032 3841 0000 0000 504f 4300 5656 5600 2020 2020 2020 2020
2020 0000 4e38 3435 3152 0000 0000 0036 3633 0000 0058 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:25.710	12	4.22	1531	135	1		87.75		158.48	1			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:26.050	Radar Report Msg	0b01 001c 003a fc78 15f0 279f 021c 17ec 0201 0100 0001 0000 1d00 0000

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:26.250	155	2	3275		+97	+169			RADAR-ONLY: NO

FIRMNESS: 34

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+28.41	-20.99	126	35.26	1439 127	35.33	107.92	134.34	195	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
30	+5029	+4900	+4900	+4900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:26.250	Active Track Maintenance Msg	1700 0058 0000 9920 0000 9d2a 0000 9920 003a fbd6 fbf7 0000 0e34 f581 0000 0000 06f5 0c13 0000 59fc 2354 06bd 59f0 2354 0000 1afb 2196 0df0 009b 0000 0000 1e17 0a1f 2200 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:25.990	14	24.13	1534	135	6		97.97	141.09	6			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:26.280	Radar Report Msg	0b01 001c 003a fd36 187e 2346 0c10 17f8 0206 0600 0004 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	23.88	1564	137	7			96.89	140.78	7			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a fd36 1839 2332 0bf0 1870 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	17.81	1531	135	3			94.83	146.59	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a fd36 17b5 24a6 08e8 17ec 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	28.50	1604	141	7			97.48	135.92	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a fd36 185f 21fb 0e40 1910 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	18.88	1660	146	6			92.02	144.11	6			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a fd86 1701 2407 0970 19f0 0206 0600 0004 0302 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:26.370	55	2	7230				-225	-87	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
+12.55	-12.02	133	17.32	1523	134	17.36	94.86	147.05	241

INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
248	+3729	+3600	+3562	+3480	-17	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:26.370	Active Track Maintenance Msg	1700 0058 0000 6cc2 0000 748a 0000 6f54 003a fc34 fbf7 ff72 0646 f9fe 0000 0000 effe f9c4 0000 5f36 115c 0e98 5f20 1160 0000 17b7 24c3 112e 0037 0000 0000 0000 081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:26.370	319	2	4725				+97	+24	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
+0.32	-0.32	135	0.44	1452 128	0.51	86.00	161.45	100	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
76	+629	+500	+481	+453	-5	+0	10111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 0e2f 0000 13aa 0000 0f09 003a fc3e fbf7 ffd2 0029 ffd7 0000 0000
		06e9 01b6 0000 5ac6 0082 09d5 5fb0 0074 1be0 1580 285d 071e 013f 0000 0000 0000
		0617 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:26.370	278	2	4613		+246	+57			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+19.90	-20.77	136	28.73	1550 136	28.78	99.75	136.72	252	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
76	+6029	+5900	+5899	+5898	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 b855 0000 bc6a 0000 b859 003a fc53 fbf7 0000 09f3 f59d 0000 0000
		117f 0416 0000 60e6 1cc7 098b 60e0 1cc4 0000 18f0 222e 11f7 0116 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:26.370	561	2	4745		-154	+115			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+15.27	-16.33	137	22.33	1558 137	22.35	96.39	142.19	192	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
306	+4829	+4700	+4700	+4600	-21	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 8fc1 0000 96ea 0000 92e2 003a fc5c fbf7 ff53 07a2 f7d6 0000 0000
f508 082e 0000 6161 165a 09e5 6160 165c 0000 1819 238c 0daf 0231 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:26.370	248	2		0772			-238	-81	RADAR-ONLY: NO

FIRMNESS: 24

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+58.80	-1.08	91	58.76	1036	91	58.82	142.31	145.92	251 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
251	+16029	+15900	+15900	+15900	+0	+0	01111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 f0e0 0001 f4ea 0001 f0e0 003a fa11 fbf7 0000 1d67 ff76 0000 0000
ef0e fa32 0000 40c8 3ad3 01fa 40c0 3ad0 0000 2394 247b 11ea 00f8 0000 0000 0000
060f 1800 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:26.480 329 2 4657 -139 +180 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+22.96 -23.24 135 32.61 1539 135 32.67 102.08 133.56 228 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
322 +7029 +6900 +6900 +6900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:04:26.480 Active Track Maintenance Msg 1700 0058 0000 d7a0 0000 dbaa 0000 d7a0 003a fc48 fbf7 0000 0b7b f461 0000 0000
f60d 0cdd 0000 6035 20ab 09af 6040 20ac 0000 1985 2164 1043 0149 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:26.480 98 2 3253 -53 -170 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+8.45 -12.40 145 14.98 1656 146 15.06 90.80 147.72 179 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
197	+3729	+3600	+3643	+3485	-34	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 6ce9 0000 748a 0000 71dc 003a fccd fbf7 feed 0439 f9cd 0000 0000 fc2a f3da 0000 6783 0f10 06ab 67a0 0f00 a00e 16b3 24ee 0cbd 0062 0000 0000 d9b0 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:26.480	176	2	4772		+157	+52			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+5.40	-9.91	151	11.24	1721 151	11.30	88.48	150.89	166	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
71	+4129	+4000	+3991	+3928	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 7ac4 0000 810a 0000 7cb9 003a fd16 fbf7 ff95 02b3 fb0b 0000 0000
		0b32 03c4 0000 6b9d 0b4e 09fa 6bb0 0b4c 1800 161f 25b9 0bcf 00b0 0000 0000 2e30
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:26.480	7	2	1275		+2	-7			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+41.65	-14.46	109	44.05	1241 109	44.09	122.36	137.31	7	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
164	+0	+0	+0	+0	+0	00000	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 0000 0000 0000 0000 0000 003a faf9 0000 0000 14d3 f8c5 0000 0000
0027 ff78 0000 4d9f 2c17 02bd 4da0 2c18 0d68 1e97 2254 008e 0007 0000 0000 0000
0000 2600 0203 1000 0300 0100 0000 0001 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:26.480	280		2		+523	+108			RADAR-ONLY: NO

FIRMNESS: 30

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: NO
+58.69	-18.09	107	61.40	1218 107	61.41	137.80	129.58	534	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
78	CST	CST	+28266	+28416	+32	+0	11100

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0003 7806 0003 6b00 0003 7357 003a c4ef 0000 0104 1d58 f6f5 0000 0000
		2532 07b4 0000 4c2e 3d69 0ddf 4ce0 3ba0 0b01 2273 2065 25fc 0118 0000 0000 0efc
		031c 1e00 0203 1001 0303 0000 0000 0001 0100 0000 0100 0101

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:26.480	321	2	4665		+0	+0			RADAR-ONLY: NO
									FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0
+42.65	-3.49	94	42.76	1077	95	42.79	126.11	147.59	151

INHIBIT MSAW PROCESS: VALID ALTITUDE: YES

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2529	+2400	+0	+2529	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:26.480	Active Track Maintenance Msg	1700 0058 0000 4f0a 0000 4f0a 0000 0000 0000 0000 fbf7 0000 1553 fe41 0000 0000
		0000 0000 0000 4354 2aca 09b5 4354 2aca 0000 1f87 24e6 0abf 0141 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:26.130	15	5.03	1763	155	1		86.63	157.16	1		RT		2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:26.490	Radar Report Msg	0b01 001c 003a fe08 15a8 274a 0284 1b8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
4.09	1785	157	4						86.31	158.11	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a fe08 1594 2787 020c 1be4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
4.09	1811	159	3						86.17	158.09	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a fe08 158b 2786 020c 1c4c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	3.94	1852	163	4		85.92	158.25	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a fe08 157b 2790 01f8 1cf0 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.34	1882	165	1		85.77	157.81	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:26.500	Radar Report Msg	0b01 001c 003a fe6c 1571 2774 022c 1d68 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.09	1859	163	1		85.89	158.08	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a fe6c 1579 2785 020c 1d0c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	6.28	1886	166	4		85.72	155.77	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003a fe6c 156e 26f1 0324 1d78 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
22.19	1871	164	5						86.11	139.72	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a fe6c 1587 22ee 0b18 1d3c 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
4.16	2003	176	1						85.05	158.08	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a fec6 1543 2785 0214 1f4c 0201 0100 0001 0000 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	COR STAT	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
01:04:26.320	16	5.09	2071	182	2							84.38	157.20	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:26.590	Radar Report Msg	0b01 001c 003a fed0 1518 274d 028c 205c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	COR STAT	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
		5.22	2083	183	4							84.25	157.11	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a fed0 1510 2747 029c 208c 0204 0400 0001 0303 1d00 0000
01:04:26.690	Delete Track Msg	1704 0008 0182 0410

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:26.690	160	2	4645	+247	+271				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+5.48	-11.23	154	12.44	1751 154	12.51	88.17	149.84	367	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
42	+15929	+15800	+15818	+15992	+36	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:26.690 Active Track Maintenance Msg 1700 0058 0001 f3c3 0001 f1ca 0001 ee52 003a fd37 fbf7 0121 02be fa62 0000 0000
119a 1350 fffb 6d7d 0c82 09a5 6d80 0c80 2a54 160b 2576 1a21 00a0 0000 0000 fd86
051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:26.690	530	2	4643		-269	+185			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+19.52	-41.75	155	46.08	1762 155	46.08	94.05	116.63	327	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
304	+20000	+20000	+20000	+20000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0002 7100 0002 7100 0002 7100 003a fd43 0000 0000 09c2 eb20 0000 0000
ecda 0d39 0000 6e2d 2e14 09a3 6e30 2e18 0407 1783 1d28 1745 0212 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:26.690 406 2 4622 -153 +5 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 7
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+10.09 -21.95 155 24.13 1767 155 24.17 89.97 138.06 153 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
272 +3929 +3800 +3796 +3791 -1 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 767b 0000 7aca 0000 76a5 003a fd47 fbf7 fff8 050c f507 0000 0000
f518 0065 0000 6e79 182c 0992 6e70 1828 0000 167e 2284 0aea 0196 0000 0000 00a1
071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:04:26.690 Delete Track Msg 1704 0008 001a 0110
01:04:26.690 Delete Track Msg 1704 0008 0118 0210

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:26.810 328 2 6655 +0 +0 RADAR-ONLY: NO
FIRMNESS: 63
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 0
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES

+18.58 -21.46 139 28.36 1582 139 28.38 98.27 136.36 139 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+929	+800	+0	+929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:26.810	Active Track Maintenance Msg	1700 0058 0000 1d0a 0000 1d0a 0000 0000 0000 0000 fbf7 0000 094a f545 0000 0000 0000 0000 0000 62ed 1c62 0dad 62ed 1c62 0000 1891 2217 09ee 0148 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:26.910	310	2		1051		+445	+106		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+10.55	-30.97	161	32.67	1834 161	32.73	88.11	129.42	458	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
76	+23100	+23100	+23133	+23299	+35	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:26.910	Active Track Maintenance Msg	1700 0058 0002 d81e 0002 d1e0 0002 d2ec 003a fd93 0000 011f 0546 f084 0000 0000 1fb3 078c 0000 72aa 20ba 0229 72a0 20b8 0000 1607 205b 2096 0136 0000 0000 1e17 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:26.910	437	2		1200		+2	-99		RADAR-ONLY: NO

FIRMNESS: 15

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+11.63	-1.23	95	11.68	1085 95	11.67	96.70	157.70	99	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
178	+1729	+1600	+1600	+1600	+0	+0	00011

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 3200 0000 360a 0000 3200 003a fa51 fbf7 0000 05d0 ff63 0000 0000
002b f8eb 0000 43df 0bac 0280 4450 0bb0 2a53 182d 276d 0715 01b5 0000 0000 392a
0403 0f00 0203 1000 0303 0100 0000 0100 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:26.910	449	2	7242		-320	+142			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7
-3.44	-32.35	186	32.49	2115 186	32.53	74.41	131.84	350	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
294	+33000	+33000	+32999	+32995	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:26.910	Active Track Maintenance Msg	1700 0058 0004 071c 0004 0740 0004 0739 003a fed1 0000 fffb fe48 efd3 0000 0000
		e939 0a1d 0000 843f 2087 0ea2 7fff 2088 2a44 129a 20f6 18ec 01c1 0000 0000 0000
		071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:26.910	580	2	4614		-48	+62			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3
-0.68	-17.68	182	17.63	2072 182	17.72	80.64	144.92	78	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
322	+4929	+4800	+4850	+4884	+7	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 98a7 0000 9a0a 0000 9790 003a fea0 fbf7 003d ffa9 f729 0000 0000
		fc8a 046c 0000 8186 11b9 098c 7fff 11b4 0000 1429 243b 059e 0244 0000 0000 00d1
		031f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:26.560	18	44.97	2196	193	4		64.89	122.05	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:26.920	Radar Report Msg	0b01 001c 003a ffc0 1039 1e83 167c 2250 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	4.44	2243	197	1					83.59	158.33	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a ffc0 14e6 2795 0238 230c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	4.44	2218	195	1					83.72	158.25	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003a ffc0 14ee 2790 0238 22a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X NM	SYSTEM Y NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:04:26.760	19	5.56	2506	220	1		81.41	158.78	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:27.050	Radar Report Msg	0b01 001c 003b 00ec 145a 27b2 02c8 2728 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X NM	SYSTEM Y NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:04:26.870	20	5.97	2582	227	4		80.72	159.11	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0100 142e 27c7 02fc 2858 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:27.250	49	2	6311	+358	-48				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-7.23	-44.92	189	45.45	2150 189	45.56	67.42	120.25	361	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
97	+9929	+9800	+9758	+9638	-25	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:27.250	Active Track Maintenance Msg	1700 0058 0001 2d36 0001 364a 0001 30f7 003a fef9 fbf7 ff32 fc63 e98a 0000 0000

197e fc92 0001 8669 2d8f 0cc9 7fff 2d80 0000 10db 1e10 19b9 0031 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:27.250	219	2	1060		-396	-132			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
-3.16	-18.74	189	18.95	2158 190	19.01	78.31	145.30	417	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
251	+35000	+35000	+34993	+34989	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 456c 0004 45c0 0004 458c 003a fefe 0000 fffa fe6b f6a1 0000 0000
		e3d2 f695 0000 86e7 1302 0230 7fff 1304 0006 1394 2453 1db6 00db 0000 0000 fed0
		091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:27.250	361	2		1022	-222	-124			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
-5.27	-18.18	196	18.87	2231 196	18.86	76.08	145.59	254	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
240	+4829	+4700	+4688	+5026	+74	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 9d13 0000 96ea 0000 9283 003a ff53 fbf7 0253 fd5d f6e9 0000 0000
		f02c f72c 0004 8b70 12dd 0212 7fff 12f0 a00e 1305 2466 1220 0169 0000 0000 1bcc
		051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:27.250	379	2		6312	+261	+4			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-3.88	-12.51	197	13.09	2242 197	13.10	78.88	150.77	261	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
89	+7829	+7700	+7667	+7531	-29	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 eb5d 0000 f4aa 0000 ef9e 003a ff60 fbf7 ff16 fe10 f9bf 0000 0000
1298 0056 0000 8c22 0d1a 0cca 7fff 0d18 0000 13b8 25b1 1299 017b 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:26.970	21	8.03	2659	234	1		78.45		158.94	1		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0164 139d 27bc 0404 298c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	20.91	2627	231	3		66.80			153.22	3		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0164 10b3 264e 0a74 290c 0203 0300 0003 0003 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
8.66	2666	234	1			77.83	158.78	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0164 1375 27b2 0454 29a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
6.78	2637	232	4			79.73	159.20	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0164 13ef 27cd 0364 2934 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
21.97	2691	237	1			65.03	154.77	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0164 1042 26b1 0afc 2a0c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:27.350	173	2	6307		+521	-217			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PREDICTED DEG	RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES

-7.60 -14.12 208 15.96 2370 208 16.05 75.47 150.78 565 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
112	+33000	+33000	+33000	+33000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:27.350	Active Track Maintenance Msg	1700 0058 0004 0740 0004 0740 0004 0740 003a ffee 0000 0000 fc33 f8f1 0000 0000 2516 f086 0000 9423 100c 0cc7 7fff 1008 0000 12de 25b2 2830 00ad 0000 0000 3039 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR SYSTEM	SYSTEM PROC	STR	SC	TYP	SYS
01:04:27.090	22	4.38	2713	238	2		81.88		160.66	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:27.350	Radar Report Msg	0b01 001c 003b 01d2 1478 282a 0230 2a64 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
15.75	2747	241	2			70.56	158.08	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 01d2 11a4 2785 07e0 2aec 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
8.72	2739	241	1			77.48	159.67	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 01d2 135f 27eb 045c 2acc 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:27.580	586	2	4673	+321	-11		RADAR-ONLY: NO		

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PREDICTED DEG	RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
-14.69	-12.13	230	19.04	2621	230	19.05	68.55	153.86	321	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
92	+10029	+9900	+9904	+9908	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:27.580	Active Track Maintenance Msg	1700 0058 0001 35a2 0001 396a 0001 3582 003b 0109 fbf7 0007 f8a8 f9f0 0000 0000

16db ff2a 0000 a3dd 130c 09bb 7fff 130c 0000 1123 2677 16df 024a 0000 0000 0000
081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:27.580	8	2	1273			+9	-5		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-37.73	-33.26	228	50.26	2600 229	50.29	40.86	139.23	11	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
121	-899	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e3e1 ffff e3e1 003b 00f2 0000 0000 ed23 ef5f 0000 0000
		00ab ff97 0000 a28a 324a 02bb 7fff 324c ee8d 0a37 22cf 00c9 0008 0000 0000 2688
		0a1f 2603 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:27.580	275	2		0257	+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+35.17	+0.90	88	35.13	1007 89	35.18	120.00	153.75	136	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
0	+1729	+1600	+0	+1729	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:27.580	Active Track Maintenance Msg	1700 0058 0000 360a 0000 360a 0000 0000 0000 0000 fbf7 0000 1196 0073 0000 0000 0000 0000 0000 3ef5 232e 00af 3ef5 232e 0000 1e00 2670 09ae 0113 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:27.300	23	29.41	2771	244	3		57.03	155.84	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:27.590	Radar Report Msg	0b01 001c 003b 024a 0e42 26f6 0eb4 2b4c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	10.91	2787	245	1			75.16	159.89	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 024a 12ca 27f9 0574 2b8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	9.66	2739	241	1			76.56		159.44	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 024a 1324 27dc 04d4 2acc 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	27.66	2778	244	4			58.69		156.48	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 024a 0eac 271f 0dd4 2b68 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	19.78	2795	246	3			66.34	158.52	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 024a 1096 27a1 09e4 2bac 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	2.00	2797	246	5			84.61	161.64	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 024a 1527 2869 0100 2bb4 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	12.00	2835	249	3			73.95	160.56	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 024a 127d 2824 0600 2c4c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	15.25	2835	249	1			70.69	160.20	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 024a 11ac 280d 07a0 2c4c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:27.690	304	2	7342				-318	+163	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-31.61	-18.80	239	36.71	2721 239	36.78	50.86	151.78	358	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
297	+35000	+35000	+35000	+35000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:27.690	Active Track Maintenance Msg	1700 0058 0004 45c2 0004 45c0 0004 45c3 003b 017a 0000 0000 f032 f699 0000 0000
		e951 0ba3 0000 aa1e 24c7 0ee2 7fff 24c8 404f 0cb7 25f2 197f 0130 0000 0000 0058
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:27.690	545	2	4706	-147	-46				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-24.33	-6.28	255	25.10	2908 256	25.13	60.66	161.92	155	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
252	+4029	+3900	+3900	+3900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 79e0 0000 7dea 0000 79e0 003b 024a fbf7 0000 f3d6 fcdc 0000 0000 f57a fcaa 0000 b5c0 1921 09c6 7fff 1920 0000 0f2a 287b 0b0a 0221 0000 0000 3f4c 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:27.420	24	14.78	2929	257	2		71.09	162.38	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:27.690	Radar Report Msg	0b01 001c 003b 031c 11c6 2898 0764 2dc4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:27.540	25	6.72	3081	271	5		79.48	163.58	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:27.790	Radar Report Msg	0b01 001c 003b 0394 13df 28e5 035c 3024 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	12.88	3140	276	2					73.81		166.33		2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0394 1274 2995 0670 3110 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	13.75	3121	274	4					72.86		166.27		4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0394 1237 2991 06e0 30c4 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:27.910	591	N31F	2	0260	0260	1Y	+53	+73	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-7.30	-2.18	253	7.55	2884 254	7.61	78.16	161.58	90	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: YES

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
36	+1929	+1800	+1783	+1780	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:27.910	Active Track Maintenance Msg	1700 0058 0000 37a7 0000 3c4a 0000 37be 003b 022f fbf7 fffc fc59 fee9 0000 0000
		03cb 0537 0000 b44a 079c 00b0 7fff 07a0 0004 138a 2865 0672 024f 0000 0000 02ae
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 00b0 008a 0104 ffff ffff 003d 000e 0000
		0000 0000 0000 0000 0000 008a 008a 0000 0000 0000 0000 0000 00c9 00d5 024f 015c
		0000 00b1 0000 013a 00d7 00d5 0000 0000 0000 0000 0000 0000 0000 0448 ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
		0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0004 2020 2fff 0000 0000 0000 0000 0000 0000 0000 0000 0001 0702
		0001 0000 0000 0043 0000 0000 0000 0000 0000 0000 564e 5900 2020 2020 2020 2020
		2020 0000 4e33 3146 0000 0000 0000 0000 0000 0000 0059 0000 0000 0020 564e 5900
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0100 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE--- ASSIGNED	BEACON CODE--- REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:27.910	87	CPF420	2	4664	4664	1X	+108	-50	ARR

RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4
-4.01	-0.82	258	4.08	2938 258	4.10	81.75	162.05	119	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
115	+5029	+4900	+4922	+4922	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 99d2 0000 9d2a 0000 99d2 003b 026e fbf7 0000 fdff ff97 0000 0000 07bc fc66 0000 b7a2 0419 09b4 7fff 0418 a015 1470 2883 0888 0057 0000 0000 0003 041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09b4 0015 0032 0032 0032 003c 017c 0000
0000 0000 0000 0000 0000 0001 0026 0000 0000 0000 00ed 0000 01b0 009b 0057 0201
0000 016b 0000 0010 0184 0185 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2eff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 4332 3036 0000 0000 5748 5000 544f 4100 2020 2020 2020 2020
2020 0000 4350 4634 3230 0000 0000 0035 3634 0000 0058 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:27.910 532 2 7234 -116 -174 RADAR-ONLY: NO
FIRMNESS: 20
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-2.14 -17.16 187 17.25 2130 187 17.27 79.36 145.78 210 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
213 +2729 +2600 +2595 +2721 +27 +0 00111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 550f 0000 554a 0000 511e 003a fedf fbf7 00de feee f76c 0000 0000

f7b8 f392 0001 852d 1144 0e9c 7fff 114c 003a 13d7 2472 0ef0 0214 0000 0000 2881
0507 1400 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:27.640	26	34.16	3235	284	4		55.94	178.38	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:27.910	Radar Report Msg	0b01 001c 003b 03ee 0dfc 2c98 1114 328c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	9.94	3251	286	4			77.31	166.80	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 03f8 1354 29b3 04f8 32cc 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	10.06	3251	286	4			77.20	166.86	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 03f8 134d 29b7 0508 32cc 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	6.22	3278	288	5			80.72	165.08	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 03f8 142e 2945 031c 3338 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: OVR
01:04:28.010	274	N8063T	2	4763	4763	1V	+125	+26	RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4
-16.39	-3.05	259	16.64	2952 260	16.67	69.19	163.03	128	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS: NO
									INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
78	+7029	+6900	+6873	+6873	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:28.010	Active Track Maintenance Msg	1700 0058 0000 d6ca 0000 dbaa 0000 d6ca 003b 027d fbf7 0000 f7ce fe79 0000 0000

08f1 01eb 0000 b88d 10ac 09f3 7fff 10ac 003a 114c 28c2 0925 0112 0000 0000 ee70
041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09f3 0005 0032 ffff 0032 002c 022a 0000
0000 0000 0000 01b8 0000 0003 0015 0000 0000 0000 00ae 0000 0070 0245 0112 00cb
0000 002d 0000 0194 0133 0144 0000 0000 0000 0000 0000 0000 0000 042f ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 00ff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0036 5041 3332 0000 0000 4f58 5200 4844 4600 2020 2020 2020 2020
2020 0000 4e38 3036 3354 0000 0000 0030 3030 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:28.010	297	2	1056		-15	+93			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-41.23	-1.52	268	41.21	3048 268	41.26	45.52	170.81	94	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
350	+6329	+6200	+6243	+6308	+14	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 c527 0000 c5ca 0000 c31f 003b 02e9 fbf7 0071 eb62 ff3e 0000 0000
		fee3 06a2 0000 be85 2943 022e 7fff 2944 0000 0b61 2ab4 06ba 0129 0000 0000 3035
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:28.010	9	2	1275		+0	+8			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-12.51	-10.98	228	16.61	2602 229	16.67	70.89	154.38	8	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
353	-470	-599	-599	-599	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 ffff ed41 ffff f14b ffff ed41 003b 00f3 fbf7 0000 f9bf fa82 0000 0000
ffef 0093 0000 a2a5 10ac 02bd 7fff 10a8 0000 11b9 2698 0094 0009 0000 0000 8ee4
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:27.870	27	13.91	3284	289	4		74.23		169.42	4			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:28.140	Radar Report Msg	0b01 001c 003b 0470 128f 2a5b 06f4 3350 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		14.09	3290	289	1		74.14		169.63	1			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0470 1289 2a68 070c 3368 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:28.230 475 N6887L 2 4714 4714 1V +181 +22 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-17.59 -1.23 266 17.60 3025 266 17.64 68.45 165.09 183 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
83 +5029 +4900 +4875 +4875 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:04:28.230 Active Track Maintenance Msg 1700 0058 0000 985b 0000 9d2a 0000 985b 003b 02d0 fbf7 0000 f734 ff62 0000 0000
0cef 019a 0000 bd10 11a4 09cc 7fff 11a4 003b 111d 2946 0d09 01db 0000 0000 0700
051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0004 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 2000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09cc 0005 0000 ffff 0032 0038 0253 0000
0000 0000 0000 00f3 0000 0003 0015 0000 0000 0000 00f2 0000 0014 0138 01db 00c3
0000 01aa 0000 0062 0054 01c9 0000 0000 0000 0000 0000 0000 0000 025c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 1dff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0036 4334 3231 0000 0000 4f58 5200 4343 4200 2020 2020 2020 2020
2020 0000 4e36 3838 374c 0000 0000 0037 3937 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE ASSIGNED	BEACON CODE REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:28.230	362	2		0006		+227	-356		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
-25.32	-0.66	268	25.32	3053 268	25.30	61.23	167.59	422	INHIBIT MSAW PROCESS: INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
147	+15129	+15000	+14980	+14738	-51	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 cc95 0001 d8ca 0001 d425 003b 02f0 fbf7 fe63 f357 ffac 0000 0000 1027 e6a9 0003 bed8 194e 0006 7fff 1954 03b0 0f4f 29e6 1e0d 016a 0000 0000 0000 061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:28.230 84 N774CS 2 3376 3376 1W +154 -153 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-20.75 +4.20 281 21.17 3202 281 21.18 66.81 171.13 218 INHIBIT MSAW PROCESS: YES
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
134 +9729 +9600 +9598 +9556 -9 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0001 2aa0 0001 300a 0001 2bf5 003b 0396 fbf7 ffb7 f5a0 0219 0000 0000
0aff f50f 0000 c828 152f 06fe 7fff 152c 0005 10b4 2ac8 0f83 0054 0000 0000 0100
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 06fe 0003 012c ffff f830 0037 01ab 0000
0000 0000 0000 015e 0000 0007 002e 0000 0000 0000 00a9 0000 0215 0249 0054 0250
0000 0149 0000 0213 0091 014a 0000 0000 0000 0000 0000 0000 0000 03cb ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2056 2eff 0000 0000 0000 0000 0000 0101 0003 0000 0001 0001 0502
0001 0000 0000 0043 4332 3130 0000 0000 5341 3900 544f 4100 2020 2020 2020 2020
2020 0000 4e37 3734 4353 0000 0000 0036 3032 0000 0057 0000 0000 0020 0000 004f
4646 5620 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE ASSIGNED	BEACON CODE REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:28.230	194	DDA77	2	4043	4043	0	+346	-325	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6
-41.00	+15.45	290	43.81	3307 291	43.75	50.11	187.13	475	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
133	+16929	+16800	+16799	+16524	-59	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:28.230	Active Track Maintenance Msg	1700 0058 0002 0467 0002 110a 0002 0cfb 003b 040c fbf7 fe25 eb80 07ba 0000 0000 18a9 e8d8 0000 ceb2 2bbf 0823 7fff 2bd0 406a 0c87 2ec8 21d4 00c2 0000 0000 000c 061f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0823 0000 0136 ffff 0172 003f 0204 0000
		0000 0000 0000 0001 0007 0007 0007 0000 0000 0000 00ab 0000 0090 00b2 00c2 0000
		0000 0000 0000 00c8 0155 0189 0000 0000 0000 0000 0000 0000 0000 023d ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000 0100 0000
		0100 0000 0001 0000 0001 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0005 2000 2fff 0000 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0102
		0001 0000 0000 0043 4c4a 3335 0000 0000 4649 4d00 564e 5900 2020 2020 2020 2020
		2020 0000 4444 4137 3700 0000 0000 0033 3535 0000 0000 0000 0000 0020 0000 0000
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:27.970	28	7.25	3424	301	4		80.83	166.88	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:28.240	Radar Report Msg	0b01 001c 003b 0538 1435 29b8 03a0 3580 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	14.22	3464	304	5			76.53	172.52	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 0538 1322 2b21 071c 3620 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.13	3427	301	4						80.94	166.81	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0538 143c 29b4 0390 358c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
43.25	3444	303	4						56.50	193.63	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0538 0e20 3068 15a0 35d0 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	50.84	3500	308	4			54.70	202.02	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0538 0dad 3281 196c 36b0 0204 0400 0005 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:28.570	51	2	1331		-199	+278			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-26.66	+20.59	307	33.64	3500 308	33.69	65.44	188.22	342	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
324	+31000	+31000	+31000	+31000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:28.570	Active Track Maintenance Msg	1700 0058 0003 c8c0 0003 c8c0 0003 c8c0 003b 04e6 0000 0000 f2ac 0a4c 0000 0000 f1d2 13cc 0000 dac8 21b0 02d9 7fff 21b0 0003 105c 2f0e 185a 0033 0000 0000 0632 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:28.570	400	2	4675		-196	-42			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
-43.38	+32.59	306	54.23	3491 307	54.27	52.11	204.30	200	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
257	+14029	+13900	+13900	+13900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 b260 0001 b66a 0001 b260 003b 04dc fbf7 0000 ea50 104b 0000 0000
		f20a fcf7 0000 da3d 3644 09bd 7fff 3640 0000 0d07 3313 0e4a 0190 0000 0000 038c
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:28.570	56	2	4752		-130	+177			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-29.00	+23.87	309	37.52	3520 309	37.58	63.80	192.23	220	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
323	+12029	+11900	+11900	+11900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 73e0 0001 77ea 0001 73e0 003b 04fd fbf7 0000 f180 0bef 0000 0000
		f6b4 0ca4 0000 dc05 2595 09ea 7fff 2590 0000 0ff3 300f 0fb0 0038 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:28.570	392	2	7304		-258	+267			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
-28.55	+24.70	311	37.70	3536 311	37.75	64.53	192.81	372	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
316	+23900	+23900	+23859	+23979	+26	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0002 ed59 0002 eae0 0002 e99d 003b 050f 0000 00d3 f1b9 0c5a 0000 0000
ed9d 1307 0002 dd0c 25c1 0ec4 7fff 25c4 0000 1022 3034 1a76 0188 0000 0000 0000
081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:28.570	384	2	1200	+100	+60				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-33.68	-0.87	268	33.63	3053 268	33.68	53.00	169.52	117	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
59	+5629	+5500	+5500	+5500	+0	+0	11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 abe0 0000 afea 0000 abe0 003b 02f0 fbf7 0000 ef29 ff91 0000 0000
		072d 0452 0000 bed0 21ad 0280 7fff 21b0 0202 0d40 2a61 0860 0180 0000 0000 0002
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
01:04:28.210	29	5.25	3673	323	2			83.86	166.44	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:28.570	Radar Report Msg	0b01 001c 003b 0682 14f7 299c 02a0 3964 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
		4.97	3689	324	2			84.08	166.22	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0682 1505 298e 027c 39a4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
		5.22	3718	327	2			84.19	166.53	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0682 150c 29a2 029c 3a18 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:28.670 59 2 4603 +0 +0 RADAR-ONLY: NO
FIRMNESS: 63
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 0
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+50.63 +8.63 80 51.35 913 80 51.36 136.81 157.30 323 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
0 +19800 +19800 +0 +19800 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:28.670	Active Track Maintenance Msg	1700 0058 0002 6ac0 0002 6ac0 0000 0000 0000 0000 0000 0000 1950 0451 0000 0000 0000 0000 0000 391e 335b 0983 391e 335b 0000 2234 2753 1706 003b 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:28.680 322 N900RL 2 3601 3601 1Y +57 -214 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 6
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-9.81 +9.63 314 13.74 3576 314 13.74 78.73 173.61 221 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
164 +6529 +6400 +6431 +6355 -17 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:04:28.680 Active Track Maintenance Msg 1700 0058 0000 c698 0000 cc0a 0000 c8fd 003b 053d fbf7 ff72 fb18 04d1 0000 0000
041e f0c3 fffd df8f 0dbd 0781 7fff 0dc0 5858 13af 2b67 0fc8 0142 0000 0000 0b5c
061f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0781 008a 0122 ffff 01c2 0037 01b6 0000
0000 0000 0000 00e6 0000 0001 0001 0000 0000 0000 008f 0000 012b 00a5 0142 009b
0000 01c6 0000 01cb 000c 020d 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0100 0000 0000 0000 0000 0100 0201 0000 0001 0001 0702
0001 0000 0000 0031 474c 4634 0000 0000 504d 4400 5656 5600 2020 2020 2020 2020
2020 0000 4e39 3030 524c 0000 0000 0035 3736 0000 0059 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:28.420	31	34.91	3843	338	4		81.17	196.39	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:28.700	Radar Report Msg	0b01 001c 003b 0704 144b 3119 1174 3c0c 0204 0400 0005 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:04:28.790	74	N40905	2	6701	6701	0	-60	+61	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6
-9.69	+16.33	329	18.97	3747 329	18.97	80.56	180.02	86	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
315	+10129	+10000	+10014	+10031	+3	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:28.790	Active Track Maintenance Msg	1700 0058 0001 3978 0001 3c8a 0001 38f2 003b 05fb fbf7 001d fb28 082a 0000 0000
		fbba 0467 0000 ea36 12f9 0dc1 7fff 12fc 2a54 1424 2d01 0622 004a 0000 0000 04e8
		061f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0dc1 0000 0064 0064 0064 058a 0094 0000
		0000 0000 0000 0000 0000 0058 0005 0000 0000 0000 029c 0000 01cc 012f 004a 01c6
		0000 0213 0000 0001 0134 005a 0000 0000 0000 0000 0000 0000 0000 00dc ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
		0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 9900 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
		0001 0000 0000 0043 5032 3852 0000 0000 4d59 4600 4c48 5300 2020 2020 2020 2020
		2020 0000 4e34 3039 3035 0000 0000 0035 3837 0000 0000 0000 0000 0020 0000 0056
		3539 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

END TIME	START TIME	TARGET REPORTS: LIVE	SIMULATED	VALID MODE-C:	0
01:04:28.540	01:04:23.940	RADAR-ONLY	97	0	0.0%
SENSOR = 2		BEACON-ONLY	0	0	
		RADAR & BEACON	0	0	VALID MODE-3/A: 0
		TOTAL	97	0	0.0%

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:28.790	Sensor Sector Mark Msg	1715 000c 003b 077c 0000 0200

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	X	SYSTEM NM	Y	PROC NM	STR STAT	SC	TYP	SYS
01:04:28.540	0	8.63	3977	350	2				86.39		170.28	2		RT		2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:28.790	Radar Report Msg	0b01 001c 003b 0772 1599 2a92 0450 3e24 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	36.34	3994	351	4					89.38	197.95	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0772 1658 317d 122c 3e68 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	5.06	4012	353	3					86.38	166.59	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0772 1598 29a6 0288 3eb0 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	11.09	4051	356	1					87.81	172.61	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0772 15f4 2b27 058c 3f4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	8.75	4032	354	2					87.11	170.31	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:28.910	Radar Report Msg	0b01 001c 003b 07d6 15c7 2a94 0460 3f00 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	8.88	23	2	2					88.27	170.19	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 07d6 1611 2a8c 0470 005c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS

9.06	38	3	4		88.52	170.31	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 07d6 1621 2a94 0488 0098 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
9.16	67	6	1			88.92	170.27	1			RT	2						

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 07d6 163b 2a91 0494 010c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:28.740	1	5.81	32	3	4		87.44	167.16	4		RT	2						

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:29.010	Radar Report Msg	0b01 001c 003b 0844 15dc 29ca 02e8 0080 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	6.41	123	11	1					88.44	167.42	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0844 161c 29db 0334 01ec 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:29.230	358	2	7303	+187	+299				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-0.84	+17.09	357	17.08	4060 357	17.09	89.23	178.34	353	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	ALT SLID WINDOW
32	+18000	+18000	+18028	+18224	+33	-3	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:29.230	Active Track Maintenance Msg	1700 0058 0002 3984 0002 3280 0002 3366 003b 0760 0000 0109 ff95 088b 0000 0000
		0d4f 154a ffe1 fdcf 1117 0ec3 7fff 111c 1b39 164f 2c96 191b 0166 0000 0000 0102
		041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS

| | | |

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 08c6 16f2 2aa3 055c 038c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	1.66	211	19	3						86.38	162.77	3	RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 08c6 1598 28b1 00d4 034c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	22.34	243	21	3						98.88	179.84	3	RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 08c6 18b8 2cf6 0b2c 03cc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	10.88	260	23	1						92.31	170.36	1	RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:29.240	Radar Report Msg	0b01 001c 003b 092a 1714 2a97 0570 0410 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS

10.63 257 23 4 92.13 170.19 4 RT 2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 092a 1708 2a8c 0550 0404 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	10.72	260	23	1		92.22	170.23	1			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0934 170e 2a8f 055c 0410 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	17.94	294	26	5		97.36	175.41	5			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0934 1857 2bda 08f8 0498 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:29.330	460	EJA631	2	4757	4757	0	-271	-151	RADAR-ONLY: NO

FIRMNESS: 35

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6
+4.70	+26.60	10	26.97	114 10	27.00	97.03	186.31	310	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
240	+12329	+12200	+12203	+12006	-42	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:29.330	Active Track Maintenance Msg	1700 0058 0001 7737 0001 814a 0001 7d5e 003b 07f2 fbf7 feaa 025a 0d4d 0000 0000 ecba f532 0000 072f 1b00 09ef 0720 1b04 0000 1842 2e94 1619 01cc 0000 0000 0c50 061f 2300 0201 1000 0303 0100 0000 0000 0000 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 09ef 0000 0172 ffff ffff 003c 026d 0000 0000 0000 0000 0001 0001 0001 0001 0000 0000 0000 009a 0000 003e 01bd 01cc 01a5 0000 01e5 0000 01c8 005b 0124 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000 0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0006 2000 2fff 0100 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0702 0001 0000 0000 0031 4335 3658 0000 0000 504d 4400 564e 5900 2020 2020 2020 2020 2020 0000 454a 4136 3331 0000 0000 0039 3135 0000 0000 0000 0000 0020 0000 0000

0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:29.330	491		2	2734		+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+32.41	-21.11	123	38.62	1400 123	38.67	111.72	133.17	130	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1229	+1100	+0	+1229	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:29.330	Active Track Maintenance Msg	1700 0058 0000 266a 0000 266a 0000 0000 0000 0000 fbf7 0000 1034 f572 0000 0000 0000 0000 0000 0000 5786 26ac 05dc 5786 26ac 0000 1bee 214b 0950 01eb 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	Y	SYSTEM NM	PROC ALT STAT	STR	SC	TYP	SYS
01:04:29.080	4	47.41	420	37	4			122.88		191.25	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:29.450	Radar Report Msg	0b01 001c 003b 0a06 1eb8 2fd0 17b4 0690 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	Y	SYSTEM NM	PROC ALT STAT	STR	SC	TYP	SYS
		7.22	490	43	1			91.70		165.58	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0a06 16ed 2965 039c 07a8 0201 0100 0001 0000 1d00 0000
01:04:29.670	Delete Track Msg	1704 0008 00bb 0110

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	Y	SYSTEM NM	PROC ALT STAT	STR	SC	TYP	SYS
01:04:29.430	6	7.22	467	41	1			91.58		165.80	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:29.680	Radar Report Msg	0b01 001c 003b 0a7e 16e5 2973 039c 074c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	57.72	539	47	4					136.72	188.86	4				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0a7e 222e 2f37 1cdc 086c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	1.28	595	52	0					86.56	162.17	0				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:29.680	Radar Report Msg	0b01 001c 003b 0ae2 15a4 288b 00a4 094c 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:29.530	7	3.66	699	61	4		88.94	162.63	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:29.780	Radar Report Msg	0b01 001c 003b 0b50 163c 28a8 01d4 0aec 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		1.88	741	65	0		86.69	162.00	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0b50 15ac 2880 00f0 0b94 0200 0000 0000 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		27.78	707	62	3		112.75	168.16	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0b50 1c30 2a0a 0de4 0b0c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		4.03	730	64	7		89.39	162.55	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 0b50 1659 28a3 0204 0b68 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	3.91	775	68	2						89.28		162.28	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0b50 1652 2892 01f4 0c1c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	4.31	862	76	2						89.77		161.80	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:29.790	Radar Report Msg	0b01 001c 003b 0b5a 1671 2873 0228 0d78 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.41	883	78	3			96.03	161.42	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:29.890	Radar Report Msg	0b01 001c 003b 0bc8 1802 285b 0534 0dcc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.28	973	86	4			90.70	160.94	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0bc8 16ad 283c 02a4 0f34 0204 0400 0001 0303 1d00 0000
01:04:29.990	Delete Track Msg	1704 0008 01ee 0510
01:04:29.990	Delete Track Msg	1704 0008 0048 0810
	Delete Track Msg	1704 0008 01b8 0810

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:29.990	6	2	1274	-1	+10				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+37.55	+17.89	64	41.54	734 65	41.59	126.61	169.64	10	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
354	-770	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:29.990	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e7eb ffff e3e1 003b 0aab fbf7 0000 12c6 08f2 0000 0000 ffeb 00c7 0000 2de3 2996 02bc 2de0 2998 0000 1fa7 2a69 00c8 0006 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:29.980	10	46.34	1036	91	4				130.33		149.28 4			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:30.230	Radar Report Msg	0b01 001c 003b 0c9a 2095 2552 172c 1030 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		18.97	1019	90	3				104.08		157.19 3			RT	2				

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0c9a 1a05 274c 097c 0fec 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	38.09	1124	99	4					120.66	146.69	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:30.230	Radar Report Msg	0b01 001c 003b 0d12 1e2a 24ac 130c 1190 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	2.91	1124	99	0					87.97	160.88	0		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0d12 15fe 2838 0174 1190 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	45.34	1128	99	4					127.20	143.55	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0d12 1fcd 23e3 16ac 11a0 0204 0400 0004 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS

17.47 1131 99 3 101.64 154.73 3 RT 2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0d1c 1969 26af 08bc 11ac 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
2.06	1163	102	3				86.91	161.25	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0d1c 15ba 2850 0108 122c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.69	1171	103	4				92.42	158.36	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:30.240	Radar Report Msg	0b01 001c 003b 0d26 171b 2797 03d8 124c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	7.97	1162	102	4					92.72	158.31	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0d26 172e 2794 03fc 1228 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	7.50	1172	103	2					92.25	158.44	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0d26 1710 279c 03c0 1250 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	5.66	1219	107	1					90.36	158.98	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0d26 1697 27bf 02d4 130c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS

20.66 1242 109 1 102.86 150.38 1 RT 2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0d26 19b7 2598 0a54 1368 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:30.320	248	2	0772			-237	-104		RADAR-ONLY: NO

FIRMNESS: 27

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
+58.48	-1.34	91	58.45	1037	91 58.51	141.94	145.73	259	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
246	+16029	+15900	+15900	+15900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:30.320	Active Track Maintenance Msg	1700 0058 0001 f0e0 0001 f4ea 0001 f0e0 003b 0c02 fbf7 0000 1d3e ff54 0000 0000 ef1a f891 0000 40d7 3a83 01fa 40f0 3a80 5858 237c 246f 1276 00f8 0000 0000 0038 071f 1b00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:30.440	523		2	0646			-228	-82	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+39.58	-1.57	92	39.59	1050 92	39.60	123.59	150.30	242	INHIBIT MSAW PROCESS: INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
250	+12529	+12400	+12412	+12350	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:30.440	Active Track Maintenance Msg	1700 0058 0001 81f7 0001 878a 0001 83e5 003b 0c0f fbf7 ff96 13ca ff37 0000 0000 efc8 fa27 0000 41a4 2799 01a6 41a0 279c 1b8e 1ee6 2593 113e 020b 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:04:30.440	394	N121NA	2	1320	1320	1V	-127	-6	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
+17.59	-3.13	100	17.84	1139 100	17.88	101.97	154.36	127	INHIBIT MSAW PROCESS: NO INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
267	+6029	+5900	+5904	+5907	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 b89b 0000 bc6a 0000 b885 003b 0c73 fbf7 0005 08cc fe6f 0000 0000 f6ef ff87 0000 4730 11e1 02d0 4730 11e0 003a 197e 2697 0914 018a 0000 0000 0000 091f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 02d0 0005 003c 003c 003c 0000 023d 0000
0000 0000 0000 0000 0000 0024 0003 0000 0000 0000 02db 0000 001a 015e 018a 0099
018b 0027 0000 0113 0248 0168 0000 0000 0000 0000 0000 0000 0000 020e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 a4ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5041 3434 0000 0000 5241 4c00 5344 3800 2020 2020 2020 2020
2020 0000 4e31 3231 4e41 0000 0000 0036 3932 0000 0056 0000 0000 0020 0000 0046
3036 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:30.440 519 2 1631 -157 -100 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+50.73 -10.41 101 51.74 1155 102 51.77 132.17 138.92 186 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
237 +8029 +7900 +7900 +7900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 f6e0 0000 faea 0000 f6e0 003b 0c86 fbf7 0000 195d facb 0000 0000

f4d3 f8dc 0000 4836 33c5 0399 4840 33c8 0000 210b 22bb 0d43 0207 0000 0000 0002
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:30.440	101	2	3507		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+25.28	-26.46	136	36.55	1550 136	36.59	103.47	129.83	209	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+5029	+4900	+0	+5029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:30.440	Active Track Maintenance Msg	1700 0058 0000 9d2a 0000 9d2a 0000 0000 0000 0000 fbf7 0000 0ca4 f2c5 0000 0000
		0000 0000 0000 60ed 2498 0747 60ed 2498 0000 19de 2075 0edf 0065 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:30.440	527	2	4676		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+23.97	-26.51	138	35.71	1568 138	35.73	102.19	130.11	93	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1929	+1800	+0	+1929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 3c4a 0000 3c4a 0000 0000 0000 0000 fbf7 0000 0bfc f2bf 0000 0000
		0000 0000 0000 620c 23bc 09be 620c 23bc 0000 198c 2087 06a0 020f 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:30.100	11	10.91	1252	110	7		94.63	155.69	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:30.440	Radar Report Msg	0b01 001c 003b 0d8a 17a8 26ec 0574 1390 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	21.03	1259	111	7			102.86	149.70	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0d8a 19b7 256d 0a84 13ac 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	46.59	1291	113	4					122.38		133.08		4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0d8a 1e98 2145 174c 142c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	6.31	1244	109	4					90.81		158.42		4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0d8a 16b4 279b 0328 1370 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	5.31	1253	110	2				89.92		158.95	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0d94 167b 27bd 02a8 1394 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	5.25	1268	111	4				89.80		158.89	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0d94 1673 27b9 02a0 13d0 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	22.19	1303	115	5				102.91		147.86	5		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0d94 19ba 24f7 0b18 145c 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	41.34	1247	110	5				119.89		138.58	5		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 0d94 1df9 22a5 14ac 137c 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
49.09	1256	110	5				125.91		133.66	5		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0d94 1f7a 216a 188c 13a0 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
7.34	1290	113	1				91.41		157.42	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0d94 16da 275b 03ac 1428 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:30.540	321	2	4665		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+42.84	-3.48	94	42.95	1076 95	42.98	126.30	147.56	149	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2429	+2300	+0	+2429	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:30.540	Active Track Maintenance Msg	1700 0058 0000 4bea 0000 4bea 0000 0000 0000 0000 fbf7 0000 156b fe43 0000 0000
		0000 0000 0000 434c 2afa 09b5 434c 2afa 0000 1f93 24e4 0a9b 0141 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:04:30.660	Delete Track Msg	1704 0008 0176 0410
01:04:30.660	Delete Track Msg	1704 0008 0092 0510
01:04:30.660	Delete Track Msg	1704 0008 011d 0710
01:04:30.660	Delete Track Msg	1704 0008 0055 0810
01:04:30.660	Delete Track Msg	1704 0008 008c 0910

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:30.660	298	2	0771		-206	-88			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+26.75	-6.70	104	27.57	1184 104	27.60	109.91	148.59	224	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING	REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID

DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
246 +9129 +9000 +8977 +8916 -13 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:30.660	Active Track Maintenance Msg	1700 0058 0001 16a0 0001 1d4a 0001 1889 003b 0ca6 fbf7 ff97 0d60 fca7 0000 0000 f153 f9ad 0000 4a0e 1b99 01f9 4a00 1b94 1700 1b7a 2526 0ffb 012a 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:30.660 339 2 2201 -177 -73 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+47.32 -13.48 105 49.18 1205 106 49.14 128.11 136.83 191 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
247 +8029 +7900 +7881 +7858 -4 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 f597 0000 faea 0000 f648 003b 0cbd fbf7 ffdb 17a9 f943 0000 0000
f367 fac8 0000 4b5d 3124 0481 4b50 3134 0000 2007 2235 0da2 0153 0000 0000 b994
051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:30.660 389 2 1654 -168 +77 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+41.13 -14.22 109 43.50 1242 109 43.53 121.94 137.67 184 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
294 +6629 +6500 +6501 +6417 -18 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 c88f 0000 cf2a 0000 cb2e 003b 0ce6 fbf7 ff6e 1490 f8e4 0000 0000
f40d 057b 0000 4da1 2b87 03ac 4d90 2b84 0000 1e7c 226b 0d25 0185 0000 0000 0000
051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:30.660 207 N8451R 2 4647 4647 1X -108 +4 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+5.56 -2.73 115 6.18 1321 116 6.20 90.42 157.83 108 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
272	+6029	+5900	+5899	+5899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 b85f 0000 bc6a 0000 b85f 003b 0d41 fbf7 0000 02c8 fea2 0000 0000 f844 004e 0000 5292 0634 09a7 52a0 0634 0000 169b 2775 07bd 00cf 0000 0000 0000 0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09a7 0015 003c 003c 003c 0028 0068 0000
		0000 0000 0000 0000 0000 0026 0001 0000 0000 0000 00b0 0000 0037 00e1 00cf 0041
		0000 0044 0000 01bb 0036 00bd 0000 0000 0000 0000 0000 0000 0000 020c ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
		0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
		0001 0000 0000 0043 5032 3841 0000 0000 504f 4300 5656 5600 2020 2020 2020 2020
		2020 0000 4e38 3435 3152 0000 0000 0036 3633 0000 0058 0000 0000 0020 5656 5600
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG X	QUA NM	BEACON Y	ALT NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:30.310	12	15.66	1379	121	3		96.59	150.66	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:30.660	Radar Report Msg	0b01 001c 003b 0e66 1826 25aa 07d4 158c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG X	QUA NM	BEACON Y	ALT NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	15.03	1523	134	3		93.56	149.09	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:30.680 Radar Report Msg 0b01 001c 003b 0ed4 1764 2546 0784 17cc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	24.16	1533	135	5			98.03		141.09		5		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0ed4 1882 2346 0c14 17f4 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:30.760	451	2	3220		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+4.71	-15.03	162	15.71	1850 163	15.75	86.50	146.11	142	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+829	+700	+0	+829	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:30.760	Active Track Maintenance Msg	1700 0058 0000 19ea 0000 19ea 0000 0000 0000 0000 fbf7 0000 025b f87c 0000 0000 0000 0000 0000 73a0 0fc0 0690 73a0 0fc0 0000 15a0 2487 0a23 01c3 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:30.760	245	2	5266		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+45.23	-6.66	98	45.67	1119 98	45.71	127.80	143.88	157	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+4229	+4100	+0	+4229	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 842a 0000 842a 0000 0000 0000 0000 fbf7 0000 169d fcab 0000 0000
0000 0000 0000 45f5 2db7 0ab6 45f5 2db7 0000 1ff3 23f8 0b30 00f5 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:30.540	14	20.84	1556	137	3		95.70		143.59	3		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:30.780	Radar Report Msg	0b01 001c 003b 0f42 17ed 23e6 0a6c 1850 0203 0300 0004 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	28.53	1604	141	7			97.50		135.89	7		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0f42 1860 21f9 0e44 1910 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	23.91	1564	137	7			96.91	140.75	7		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0f42 183a 2330 0bf4 1870 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	5.34	1642	144	3			87.59	157.08	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0f42 15e6 2745 02ac 19a8 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:30.890	590	2	4624	-25	-103		RADAR-ONLY: NO		

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+33.77	-16.04	115	37.35	1312 115	37.40	114.38	137.78	106	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
194	+2929	+2800	+2822	+2822	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:30.890	Active Track Maintenance Msg	1700 0058 0000 5835 0000 5b8a 0000 5835 003b 0d37 fbf7 0000 10e3 f7fb 0000 0000

fe2a f8a9 0000 5204 2566 0994 5210 2564 0000 1c98 2272 0791 024e 0000 0000 0000
051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:30.890	155	2	3275		+95	+171			RADAR-ONLY: NO

FIRMNESS: 35

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+28.51	-20.80	126	35.25	1434 126	35.30	108.06	134.50	195	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
29	+5029	+4900	+4900	+4900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 9920 0000 9d2a 0000 9920 003b 0dc0 fbf7 0000 0e41 f599 0000 0000
		06c8 0c2c 0000 59af 234e 06bd 59b0 234c 0000 1b04 21a0 0def 009b 0000 0000 0000
		0a1f 2300 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:30.890	319	2	4725		+85	+21			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
+0.38	-0.30	123	0.45	1362 120	0.56	86.06	161.45	88	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
75	+629	+500	+478	+459	-3	+0	01111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 0e5b 0000 13aa 0000 0ef0 003b 0dea fbf7 ffe1 0030 ffd9 0000 0000
		0616 018d 0000 5529 0090 09d5 5c00 007c 0001 1584 285d 0648 013f 0000 0000 0000
		070f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:30.890	55	2	7230		-223	-85			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
+12.27	-12.13	134	17.23	1533 135	17.24	94.56	147.02	238	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
249	+3629	+3500	+3488	+3408	-17	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:30.890 Active Track Maintenance Msg 1700 0058 0000 6a86 0000 716a 0000 6d04 003b 0e2d fbf7 ff77 0623 f9f0 0000 0000
f023 f9f2 0000 5fd6 113d 0e98 5fc0 1140 0000 17a4 24c1 10fa 0037 0000 0000 1e7c
091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:30.890	329	2	4657		-140	+181			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
+22.79	-22.99	135	32.30	1539 135	32.38	101.97	133.84	229	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
322	+7029	+6900	+6900	+6900	+0	+0	11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 d7a0 0000 dbaa 0000 d7a0 003b 0e35 fbf7 0000 0b65 f481 0000 0000 f606 0ce0 0000 6030 2061 09af 6030 2060 a003 197e 2176 1049 0149 0000 0000 1a40 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.00	1719	151	2			86.66	158.30	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:30.890	Radar Report Msg	0b01 001c 003b 0fa6 15aa 2793 0200 1adc 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.03	1763	155	1			86.63	157.16	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0fa6 15a8 274a 0284 1b8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.09	1811	159	3			86.17	158.09	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:30.890	Radar Report Msg	0b01 001c 003b 0fb0 158b 2786 020c 1c4c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	4.09	1785	157	3			86.31		158.11	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0fb0 1594 2787 020c 1be4 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	22.09	1791	157	5			88.80		140.02	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 0fb0 1633 2301 0b0c 1bfc 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	4.06	1856	163	4			85.91		158.11	4		RT	2		

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CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Radar Report Msg 0b01 001c 003b 0fb0 157a 2787 0208 1d00 0204 0400 0001 0303 1d00 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:31.110 278 2 4613 +245 +59 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+20.20 -20.70 135 28.90 1543 136 28.93 100.06 136.72 252 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
76 +6029 +5900 +5899 +5898 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:04:31.110 Active Track Maintenance Msg 1700 0058 0000 b856 0000 bc6a 0000 b859 003b 0e3b fbf7 0000 0a19 f5a7 0000 0000
116e 0440 0000 607f 1cef 098b 6080 1cec 0000 1904 222e 11f1 0116 0000 0000 0191
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:31.110 561 2 4745 -157 +108 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+15.05 -16.21 137 22.07 1559 137 22.11 96.22 142.36 191 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW

304 +4729 +4600 +4600 +4500 -21 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 8ca0 0000 93ca 0000 8fc1 003b 0e4d fbf7 ff53 0787 f7e5 0000 0000
f4c6 07bc 0000 6175 161d 09e5 6180 1620 0000 180e 2397 0da2 0231 0000 0000 0445
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:31.110 98 2 3253 -91 -160 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 3
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+8.29 -12.62 146 15.03 1665 146 15.16 90.59 147.55 184 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
209 +3529 +3400 +3450 +3283 -36 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 669e 0000 6e4a 0000 6bd0 003b 0ec7 fbf7 fedf 0425 f9b1 0000 0000
		f981 f495 0000 6818 0f2a 06ab 6850 0f18 0001 16a6 24e3 0d23 0062 0000 0000 0f6b
		031f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:31.110	7	2	1275		+7	-3			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+41.66	-14.40	109	44.04	1242 109	44.10	122.39	137.38	8	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
113	+0	+0	+0	+0	+0		00000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 0000 0000 0000 0000 0000 003b 0ce6 0000 0000 14d4 f8cd 0000 0000
		008a ffc4 0000 4da1 2c19 02bd 4d90 2c14 0000 1e99 2258 0096 0007 0000 0000 06f6
		0000 2600 0203 1000 0300 0100 0000 0001 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:30.770	15	14.09	1843	162	3		86.58	147.86	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:31.110	Radar Report Msg	0b01 001c 003b 1078 15a5 24f7 070c 1ccc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
5.16	1888	166	2				85.72	156.94	2			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1078 156e 273c 0294 1d80 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
6.59	1891	166	1				85.67	155.44	1			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1078 156b 26dc 034c 1d8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	6.31	1887	166	4			85.70	155.73	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1078 156d 26ef 0328 1d7c 0204 0400 0001 0303 1d00 0000
01:04:31.200	Delete Track Msg	1704 0008 0198 0110

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:31.200	176	2	4772	+155	+55				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
+5.60	-9.85	150	11.28	1710	150 11.34	88.69	150.91	164	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
70	+4029	+3900	+3918	+3853	-14	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:31.200	Active Track Maintenance Msg	1700 0058 0000 786c 0000 7dea 0000 7a74 003b 0ef6 fbf7 ff8f 02cd fb13 0000 0000
		0b07 03f8 0000 6ae5 0b57 09fa 6af0 0b54 0001 162c 25ba 0bb8 00b0 0000 0000 f732
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:31.200	160	2	4645	+252	+268				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 6
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+5.82 -10.88 151 12.33 1728 152 12.34 88.58 150.09 368 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
43 +16129 +16000 +16000 +16181 +39 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 f9ad 0001 f80a 0001 f400 003b 0f0a fbf7 013b 02e9 fa8f 0000 0000
11f3 1317 0000 6c0d 0c56 09a5 6c00 0c58 a014 1625 2586 1a34 00a0 0000 0000 0000
061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:31.200	406	2		4622	-155	-7			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
+9.87	-21.98	156	24.03	1772 156	24.07	89.75	138.09	155	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
267	+3929	+3800	+3795	+3791	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 767b 0000 7aca 0000 769b 003b 0f3c fbf7 fffa 04ef f503 0000 0000
		f4f8 ff72 0000 6ec0 1812 0992 6ed0 1818 1700 1670 2286 0b0c 0196 0000 0000 0740
		081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:31.200	310	2		1051	+445	+104			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+11.09	-30.84	160	32.73	1822 160	32.78	88.67	129.41	457	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
76	+23300	+23300	+23299	+23465	+35	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0002 dd4b 0002 d820 0002 d81f 003b 0f74 0000 011f 058c f094 0000 0000
1fb4 0771 0000 71ed 20c7 0229 71f0 20c8 a006 162b 205a 2091 0136 0000 0000 000c
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:31.200	530	2	4643		-269	+184			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+19.17	-41.52	155	45.69	1765 155	45.72	93.78	116.94	326	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
304	+20000	+20000	+20000	+20000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 7100 0002 7100 0002 7100 003b 0f34 0000 0000 0996 eb3e 0000 0000
		ecd4 0d24 0000 6e5f 2db9 09a3 6e60 2dbc a006 1772 1d3c 173e 0212 0000 0000 cda3
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:31.200	328	2	6655		+0	+0			RADAR-ONLY: NO
									FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0
+18.42	-21.37	139	28.14	1584 139	28.21	98.14	136.48	138	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+929	+800	+0	+929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:31.200	Active Track Maintenance Msg	1700 0058 0000 1d0a 0000 1d0a 0000 0000 0000 0000 fbf7 0000 0936 f551 0000 0000
		0000 0000 0000 6302 1c36 0dad 6302 1c36 0000 1889 221f 09df 0148 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN	RANGE NM	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:30.850	16	4.16	2003	176	1		85.05	158.08	1		RT		2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:31.220	Radar Report Msg	0b01 001c 003b 10fa 1543 2785 0214 1f4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:04:31.080	17	5.13	2068	182	4		84.39	157.17	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:31.320	Radar Report Msg	0b01 001c 003b 1168 1519 274b 0290 2050 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
		31.72	2148	189	6		73.16	132.78	6			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1172 124a 2132 0fdc 2190 0206 0600 0004 0302 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:31.420	437		2	1200			-4	-79	RADAR-ONLY: NO

FIRMNESS: 20

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+11.61	-1.31	96	11.64	1100 97	11.70	96.67	157.63	79	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
183	+1729	+1600	+1600	+1600	+0	+0	00111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:31.420	Active Track Maintenance Msg	1700 0058 0000 3200 0000 360a 0000 3200 003b 0c45 fbf7 0000 05ce ff58 0000 0000 ffb0 fa5b 0000 44c0 0bb4 0280 44a0 0bb0 1d00 182b 2768 05a7 01b5 0000 0000 4a98 0507 1400 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:31.420	424		2	4603			-267	-108	RADAR-ONLY: NO

FIRMNESS: 15

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+50.55	+8.53	80	51.21	914 80	51.63	136.72	157.30	288	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
248	+19700	+19700	+19733	+19614	-25	+0	00011

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0002 64f2 0002 67a0 0002 68ab 003b 0b77 0000 ff32 1946 0444 0000 0000
ecfa f850 0000 3920 33a0 0983 3930 3344 003a 222e 2753 1484 01a8 0000 0000 0803
0403 0f00 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

01:04:31.540 Delete Track Msg 1704 0008 0141 0010

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:31.210	18	4.44	2218	195	1				83.72		158.25	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:31.540	Radar Report Msg	0b01 001c 003b 11ea 14ee 2790 0238 22a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		4.44	2243	197	1				83.59		158.33	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 11ea 14e6 2795 0238 230c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:31.770	580	2	4614		-46	+64			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-0.73	-17.60	182	17.57	2075 182	17.64	80.61	145.02	79	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
324	+4929	+4800	+4814	+4798	-3	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:31.770	Active Track Maintenance Msg	1700 0058 0000 95f4 0000 9a0a 0000 9671 003b 1090 fbf7 ffe6 ffa3 f733 0000 0000
		fcb4 049c 0000 81b0 11a3 098c 7fff 11a0 003b 1427 2441 05ab 0244 0000 0000 0803
		041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:31.770	449	2	7242		-317	+150			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
-3.81	-32.14	186	32.35	2124 187	32.40	74.09	132.13	351	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW

295 +33000 +33000 +32997 +32994 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0004 0715 0004 0740 0004 072d 003b 10c8 0000 fffc fe18 efee 0000 0000
e975 0ab8 0000 84ce 2067 0ea2 7fff 2060 1c00 1286 2108 18f6 01c1 0000 0000 2b35
081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:31.770 49 2 6311 +362 -18 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-6.66 -44.94 188 45.42 2144 188 45.50 67.95 120.09 363 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
93 +9829 +9700 +9659 +9545 -24 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 2a4e 0001 332a 0001 2ddf 003b 10de fbf7 ff3c fcab e988 0000 0000
		19d0 feab 0001 8604 2d81 0cc9 7fff 2d70 0000 10fd 1e06 19d8 0031 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:04:31.770	Delete Track Msg	1704 0008 0096 0010

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:31.770	219	2	1060	-398	-127				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-3.70	-18.91	191	19.23	2173 191	19.28	77.77	145.25	418	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
252	+35000	+35000	+34993	+34990	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:31.770	Active Track Maintenance Msg	1700 0058 0004 4573 0004 45c0 0004 458c 003b 10ff 0000 fffc fe26 f68c 0000 0000
		e3b1 f6ec 0000 87da 1347 0230 7fff 1344 0640 1371 2450 1dba 00db 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:31.770	379	2	6312	+258	+5				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-3.56	-12.49	196	12.94	2227 196	12.99	79.19	150.70	258	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
88	+7629	+7500	+7520	+7381	-30	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 e6a8 0000 ee6a 0000 eb03 003b 113d fbf7 ff0f fe38 f9c1 0000 0000
		1262 006d 0000 8b30 0cfe 0cca 7fff 0d00 0001 13cc 25ad 1263 017b 0000 0000 fe08
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:31.770	361	2		1022		-210	-154		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
-5.52	-18.41	196	19.18	2238 197	19.14	75.77	145.44	260	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
233	+5229	+5100	+5070	+5437	+80	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 a9ec 0000 a36a 0000 9e74 003b 1147 fbf7 0286 fd3d f6cb 0000 0000 f111 f505 0004 8bef 1323 0212 7fff 133c 157b 12f1 245c 1289 0169 0000 0000 0303 061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:31.530	21	38.84	2547	224	4			52.67	141.58	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1320 0d2b 2365 136c 27cc 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	5.56	2506	220	1				81.41	158.78	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:31.780	Radar Report Msg	0b01 001c 003b 132a 145a 27b2 02c8 2728 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	6.78	2621	230	2		79.80	159.06	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 132a 13f3 27c4 0364 28f4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	6.63	2634	232	2		79.89	159.23	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 132a 13f9 27cf 0350 2928 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.97	2582	227	4			80.72	159.11	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 132a 142e 27c7 02fc 2858 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	8.69	2659	234	3			77.83	158.69	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1334 1375 27ac 0458 298c 0203 0300 0001 0203 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:31.860	173	2	6307	+521	-220				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-6.92	-14.40	205	15.93	2340 206	15.98	76.02	150.36	566	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
112	+33000	+33000	+33000	+33000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:31.860	Active Track Maintenance Msg	1700 0058 0004 0740 0004 0740 0004 0740 003b 11ba 0000 0000 fc8a f8cd 0000 0000

251b f053 0000 924d 0ffb 0cc7 7fff 0ffc 003b 1301 2597 2848 00ad 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	7.22	2666	234	1			79.20		159.31	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:31.870	Radar Report Msg	0b01 001c 003b 1384 13cd 27d4 039c 29a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	8.75	2746	241	3			77.42		159.75	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1384 135b 27f0 0460 2ae8 0203 0300 0001 0203 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:32.080	532	2	7234		-99	-190			RADAR-ONLY: NO

FIRMNESS: 24

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
-2.26	-17.42	187	17.52	2133 188	17.53	79.17	145.56	215	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
207	+2929	+2800	+2768	+2922	+34	+0	01111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:32.080	Active Track Maintenance Msg	1700 0058 0000 5b53 0000 5b8a 0000 5686 003b 10d0 fbf7 0114 fedf f74a 0000 0000 f8eb f271 0004 855b 1188 0e9c 7fff 1194 003a 13cb 2464 0f4c 0214 0000 0000 0400 060f 1800 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:31.740	22	15.75	2747	241	2		70.56	158.08	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:32.080	Radar Report Msg	0b01 001c 003b 1406 11a4 2785 07e0 2aec 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	29.34	2776	244	5			57.05	156.08	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1406 0e43 2705 0eac 2b60 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	27.63	2779	244	4		58.70		156.53		4		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1406 0ead 2722 0dd0 2b6c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	24.72	2763	243	3		61.69		156.50		3		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1406 0f6c 2720 0c5c 2b2c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	2.00	2797	246	5			84.61	161.64	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1406 1527 2869 0100 2bb4 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:32.200	275	2	0257	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+35.28	+0.84	88	35.26	1008	89	35.29	120.09	153.67	147

INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1729	+1600	+0	+1729	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:32.200	Active Track Maintenance Msg	1700 0058 0000 360a 0000 360a 0000 0000 0000 0000 fbf7 0000 11a4 006c 0000 0000 0000 0000 0000 3f06 234a 00af 3f06 234a 0000 1e06 266b 0a79 0113 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:31.970	23	12.00	2835	249	3		73.95	160.56	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:32.200	Radar Report Msg	0b01 001c 003b 14e2 127d 2824 0600 2c4c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	20.53	2835	249	3					65.42		159.64		3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 14e2 105b 27e9 0a44 2c4c 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:32.300	8	2	1273		+11	+2			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-37.78	-33.20	228	50.26	2600 229	50.29	40.83	139.30	11	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
76	-899	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:32.300	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e3e1 ffff e3e1 003b 12e1 0000 0000 ed1c ef67 0000 0000
		00d3 0033 0000 a289 324a 02bb 7fff 324c 0000 0a35 22d3 00d9 0008 0000 0000 0000
		0a1f 2603 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:32.300	586	2	4673		+318	-1			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
-14.31	-12.12	229	18.71	2612 230	18.74	68.92	153.78	318	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
90	+10029	+9900	+9904	+9907	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0001 359f 0001 396a 0001 3587 003b 12ee fbf7 0005 f8d8 f9f1 0000 0000
16af ffe5 0000 a346 12be 09bb 7fff 12c0 0046 113b 2672 16af 024a 0000 0000 0000
091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:32.300	555	2	3507		-18	+83			RADAR-ONLY: NO

FIRMNESS: 15

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+25.26	-26.52	136	36.60	1553 136	36.72	103.47	129.80	85	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
347	+5029	+4900	+4900	+4900	+0	+0	00011

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 9920 0000 9d2a 0000 9920 003b 0e44 fbf7 0000 0ca1 f2be 0000 0000 feac 05f4 0000 6110 24b8 0747 6100 24a0 403a 19de 2073 0619 022b 0000 0000 003c 0403 0f00 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:32.420	304	2	7342		-319	+164			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-32.02	-18.59	239	36.99	2728 240	37.02	50.52	152.08	359	INHIBIT MSAW PROCESS: INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
297	+35000	+35000	+35000	+35000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:32.420	Active Track Maintenance Msg	1700 0058 0004 45c1 0004 45c0 0004 45c2 003b 1370 0000 0000 effd f6b4 0000 0000 e94b 0bae 0000 aa8c 2506 0ee2 7fff 2508 a004 0ca1 2605 1989 0130 0000 0000 00d1 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:32.190	25	19.09	3075	270	3		67.39	166.73	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:32.420	Radar Report Msg	0b01 001c 003b 15be 10d9 29af 098c 300c 0203 0300 0004 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	6.69	3081	271	7				79.52		163.56	7		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 15be 13e1 28e4 0358 3024 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	13.72	3120	274	4				72.88		166.25	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 15be 1238 2990 06dc 30c0 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:32.520 591 N31F 2 0260 0260 1Y +49 +73 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-7.25 -2.09 254 7.54 2889 254 7.52 78.23 161.66 88 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: YES
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
34 +1929 +1800 +1787 +1785 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:04:32.520 Active Track Maintenance Msg 1700 0058 0000 37cf 0000 3c4a 0000 37dc 003b 1424 fbf7 fffe fc60 fef5 0000 0000
038a 0531 0000 b49e 0786 00b0 7fff 078c a004 138f 286a 0649 024f 0000 0000 00d1
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 00b0 008a 0104 ffff ffff 003d 000e 0000
0000 0000 0000 0000 0000 008a 008a 0000 0000 0000 0000 0000 00c9 00d5 024f 015c
0000 00b1 0000 013a 00d7 00d5 0000 0000 0000 0000 0000 0000 0000 0448 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0004 2020 2fff 0000 0000 0000 0000 0000 0000 0000 0000 0001 0702
0001 0000 0000 0043 0000 0000 0000 0000 0000 0000 564e 5900 2020 2020 2020 2020
2020 0000 4e33 3146 0000 0000 0000 0000 0000 0000 0059 0000 0000 0020 564e 5900
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:32.520 87 CPF420 2 4664 4664 1X +112 -46 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-3.85 -0.89 257 3.91 2923 257 3.97 81.89 161.95 121 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
112 +5029 +4900 +4906 +4898 -1 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 9912 0000 9d2a 0000 9955 003b 144b fbf7 fff2 fe13 ff8e 0000 0000
07fe fcba 0000 b6bc 03f9 09b4 7fff 03f4 1550 1479 287d 08a3 0057 0000 0000 0000
051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09b4 0015 0032 0032 0032 003c 017c 0000
0000 0000 0000 0000 0000 0001 0026 0000 0000 0000 00ed 0000 01b0 009b 0057 0201
0000 016b 0000 0010 0184 0185 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2eff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 4332 3036 0000 0000 5748 5000 544f 4100 2020 2020 2020 2020
2020 0000 4350 4634 3230 0000 0000 0035 3634 0000 0058 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:32.520 545 2 4706 -146 -47 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-24.51 -6.33 255 25.30 2907 256 25.32 60.47 161.92 153 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
252 +4029 +3900 +3900 +3900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 79e0 0000 7dea 0000 79e0 003b 1438 fbf7 0000 f3bf fcd6 0000 0000

f594 fca4 0000 b5b2 1953 09c6 7fff 1950 0706 0f1e 287b 0af3 0221 0000 0000 1f68
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: OVR
01:04:32.520 274 N8063T 2 4763 4763 1V +123 +32 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-16.24 -2.99 259 16.45 2952 259 16.51 69.34 163.05 127 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
75 +7029 +6900 +6892 +6902 +2 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 d7b0 0000 dbaa 0000 d760 003b 146c fbf7 0012 f7e1 fe81 0000 0000
08cc 0251 0000 b887 1082 09f3 7fff 1084 0100 1156 28c3 0919 0112 0000 0000 0000
051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09f3 0005 0032 ffff 0032 002c 022a 0000
		0000 0000 0000 01b8 0000 0003 0015 0000 0000 0000 00ae 0000 0070 0245 0112 00cb
		0000 002d 0000 0194 0133 0144 0000 0000 0000 0000 0000 0000 0000 042f ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
		0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 00ff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
		0001 0000 0000 0036 5041 3332 0000 0000 4f58 5200 4844 4600 2020 2020 2020 2020
		2020 0000 4e38 3036 3354 0000 0000 0030 3030 0000 0056 0000 0000 0020 0000 0000
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:32.520	362		2	0006		+224	-354		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
-25.04	-1.11	267	25.02	3042 267	25.04	61.39	167.08	419	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
147	+14929	+14800	+14770	+14546	-48	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 c693 0001 d28a 0001 cd96 003b 14d1 fbf7 fe80 f37b ff72 0000 0000

0ff5 e6c7 0002 be20 1909 0006 7fff 1910 a006 0f59 29c5 1dd8 016a 0000 0000 0000
071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:32.640	297	2	1056		-15	+92			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-41.26	-1.39	268	41.27	3050 268	41.28	45.53	170.94	94	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
350	+6429	+6300	+6305	+6370	+13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:32.640	Active Track Maintenance Msg	1700 0058 0000 c710 0000 c8ea 0000 c50e 003b 14d9 fbf7 006f eb5f ff4e 0000 0000
		fedd 069c 0000 bea2 2948 022e 7fff 2948 a004 0b62 2abc 06b5 0129 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:32.640 475 N6887L 2 4714 4714 1V +183 +10 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 6
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-17.36 -1.25 265 17.36 3026 266 17.41 68.69 165.02 183 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
86 +5029 +4900 +4890 +4896 +1 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 9904 0000 9d2a 0000 98d1 003b 14bd fbf7 000b f752 ff60 0000 0000
0d07 00c4 0000 bd24 1168 09cc 7fff 1168 0000 112c 2941 0d0d 01db 0000 0000 0000
061f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0004 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 2000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09cc 0005 0000 ffff 0032 0038 0253 0000
0000 0000 0000 00f3 0000 0003 0015 0000 0000 0000 00f2 0000 0014 0138 01db 00c3
0000 01aa 0000 0062 0054 01c9 0000 0000 0000 0000 0000 0000 0000 025c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 1dff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0036 4334 3231 0000 0000 4f58 5200 4343 4200 2020 2020 2020 2020
2020 0000 4e36 3838 374c 0000 0000 0037 3937 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE ASSIGNED	BEACON CODE REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:32.640	9	2	1275	+2	+5				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-12.51	-11.02	228	16.65	2602 229	16.66	70.89	154.34	5	INHIBIT MSAW PROCESS: INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
26	-470	-599	-599	-599	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 ffff ed41 ffff f14b ffff ed41 003b 12e0 fbf7 0000 f9bf fa7d 0000 0000 0031 0061 0000 a2a9 10a8 02bd 7fff 10ac 0100 11b9 2696 006d 0009 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:32.320	26	12.84	3145	276	2		73.88	166.42	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:32.640	Radar Report Msg	0b01 001c 003b 1636 1278 299b 066c 3124 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	13.38	3128	275	2			73.27	166.28	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1636 1251 2992 06b0 30e0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	13.47	3129	275	2			73.19	166.33	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1636 124c 2995 06bc 30e4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.13	3245	285	4			77.11	166.81	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 1636 1347 29b4 0510 32b4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	14.09	3291	289	2			74.16		169.64	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:32.650	Radar Report Msg	0b01 001c 003b 1640 128a 2a69 070c 336c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	10.06	3263	287	2			77.30		167.02	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1640 1353 29c1 0508 32fc 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	13.94	3279	288	2			74.14	169.34	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1640 1289 2a56 06f8 333c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	6.84	3315	291	3			80.39	165.73	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1640 1419 296f 036c 33cc 0203 0300 0003 0003 1d00 0000
01:04:32.740	Delete Track Msg	1704 0008 00fa 0610

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:32.740	84	N774CS	2	3376	3376	1W	+154	-156	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PREDICTED DEG	RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-20.55	+3.98	280	20.87	3197	281	20.95	66.95	170.88	219	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: YES

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
135	+9629	+9500	+9536	+9489	-10	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:32.740 Active Track Maintenance Msg 1700 0058 0001 288c 0001 2cea 0001 2a06 003b 157e fbf7 ffae f5b9 01fe 0000 0000
0af4 f4e3 0000 c7d7 14f3 06fe 7fff 14f0 0001 10bd 2ab8 0f9b 0054 0000 0000 f024
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 06fe 0003 012c ffff f830 0037 01ab 0000
0000 0000 0000 015e 0000 0007 002e 0000 0000 0000 00a9 0000 0215 0249 0054 0250
0000 0149 0000 0213 0091 014a 0000 0000 0000 0000 0000 0000 0000 03cb ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2056 2eff 0000 0000 0000 0000 0000 0101 0003 0000 0001 0001 0502
0001 0000 0000 0043 4332 3130 0000 0000 5341 3900 544f 4100 2020 2020 2020 2020
2020 0000 4e37 3734 4353 0000 0000 0036 3032 0000 0057 0000 0000 0020 0000 004f
4646 5620 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:32.740 194 DDA77 2 4043 4043 1M +336 -330 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-40.61 +15.02 290 43.25 3303 290 43.21 50.38 186.61 471 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
134 +16529 +16400 +16420 +16040 -89 -2 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0001 f546 0002 048a 0002 0126 003b 15f5 fbf7 fd37 ebb2 0783 0000 0000
17f0 e881 ffe9 ce78 2b36 0823 7fff 2b4c 0001 0c98 2ea7 218b 00c2 0000 0000 0485
041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0823 0007 0136 ffff 0172 003f 0204 0000
0000 0000 0000 0003 0000 0007 0000 0000 0000 0000 00ab 0000 0090 00b2 00c2 0000
0000 0000 0000 00c8 0155 0189 0000 0000 0000 0000 0000 0000 0000 023d ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000 0100 0000
0100 0000 0001 0000 0001 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0005 2000 35ff 0000 0000 0000 0000 0000 0100 0000 0000 0001 0001 0102
0001 0000 0000 0043 4c4a 3335 0000 0000 4649 4d00 5656 5600 2020 2020 2020 2020
2020 0000 4444 4137 3700 0000 0000 0033 3535 0000 004d 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
01:04:32.520	27	18.22	3402	299	3					72.64		174.36	3			RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:32.760	Radar Report Msg	0b01 001c 003b 1712 1229 2b97 091c 3528 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
		7.13	3427	301	4					80.94		166.81	4			RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1712 143c 29b4 0390 358c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	9.25	3472	305	2			79.89	168.78	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1712 13f9 2a32 04a0 3640 0202 0200 0001 0103 1d00 0000
01:04:32.960	Delete Track Msg	1704 0008 0179 0810

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:32.740	29	1.59	3587	315	0		85.23	162.75	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:32.970	Radar Report Msg	0b01 001c 003b 17da 154f 28b0 00cc 380c 0200 0000 0000 0000 1d00 0000
01:04:33.080	Delete Track Msg	1704 0008 0155 0810
01:04:33.080	Delete Track Msg	1704 0008 0189 0910

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:33.080	400	2	4675	-196	-58				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES INHIBIT MSAW PROCESS: INHIBIT MSAW DISPLAY:
-43.71	+32.42	306	54.38	3489 307	54.43	51.73	204.23	205	

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
253	+14029	+13900	+13900	+13900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:33.080	Active Track Maintenance Msg	1700 0058 0001 b260 0001 b66a 0001 b260 003b 16c6 fbf7 0000 ea25 1036 0000 0000 f208 fbd4 0000 da18 366e 09bd 7fff 366c 4057 0cef 330f 0e94 0190 0000 0000 001c 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:33.080	392	2	7304		-264	+264			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9
-28.92	+25.02	310	38.19	3537 311	38.23	64.25	193.20	373	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
315	+24000	+24000	+23987	+24112	+27	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0002 f181 0002 ee00 0002 ed9f 003b 16fd 0000 00d9 f18a 0c83 0000 0000
ed3a 12c8 0000 dd1a 263c 0ec4 7fff 2640 a00b 1010 304d 1a8e 0188 0000 0000 000c
091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:33.080 384 2 1200 +104 +53 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-33.54 -0.87 268 33.51 3055 269 33.55 53.13 169.48 117 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
62 +5629 +5500 +5500 +5500 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 abe0 0000 afea 0000 abe0 003b 14de fbf7 0000 ef3b ff91 0000 0000
076c 03d6 0000 befa 218e 0280 7fff 218c 003a 0d48 2a5f 085b 0180 0000 0000 2280
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:33.190 51 2 1331 -201 +277 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-26.92 +20.94 308 34.07 3503 308 34.11 65.27 188.63 342 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
324	+31000	+31000	+31000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:33.190	Active Track Maintenance Msg	1700 0058 0003 c8c0 0003 c8c0 0003 c8c0 003b 16d6 0000 0000 f28a 0a78 0000 0000 f1af 13b3 0000 daf3 221b 02d9 7fff 221c 0001 1051 2f28 185a 0033 0000 0000 185c 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:33.190 56 2 4752 -129 +178 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-29.18 +24.09 309 37.78 3521 310 37.85 63.69 192.50 220 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
324 +12029 +11900 +11900 +11900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 73e0 0001 77ea 0001 73e0 003b 16ec fbf7 0000 f169 0c0c 0000 0000
f6c7 0cad 0000 dc1e 25d9 09ea 7fff 25d8 2135 0fec 3020 0fae 0038 0000 0000 0003
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:33.190 322 N900RL 2 3601 3601 1Y +59 -209 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 7
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-9.74 +9.39 314 13.48 3570 314 13.50 78.75 173.36 217 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
164 +6429 +6300 +6326 +6231 -21 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 c2bb 0000 c8ea 0000 c5b2 003b 1724 fbf7 ff58 fb21 04b2 0000 0000
0439 f11b ffff df2b 0d7f 0781 7fff 0d88 1d00 13b0 2b57 0f7b 0142 0000 0000 7604
071f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0781 008a 0122 ffff 01c2 0037 01b6 0000
0000 0000 0000 00ef 0000 0001 0001 0000 0000 0000 008f 0000 012b 00a5 0142 009b
0000 01c6 0000 01cb 000c 020d 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0100 0000 0000 0000 0000 0100 0000 0000 0001 0001 0702
0001 0000 0000 0031 474c 4634 0000 0000 504d 4400 5656 5600 2020 2020 2020 2020
2020 0000 4e39 3030 524c 0000 0000 0035 3736 0000 0059 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:32.870	30	5.00	3683	324	2		84.02	166.23	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:33.190	Radar Report Msg	0b01 001c 003b 185c 1501 298f 0280 398c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		5.38	3667	322	1		83.77	166.55	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 185c 14f1 29a3 02b0 394c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		5.19	3675	323	4		83.89	166.39	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 185c 14f9 2999 0298 396c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		4.78	3705	326	2		84.25	166.06	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:33.220 Radar Report Msg 0b01 001c 003b 18ca 1510 2984 0264 39e4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	22.22	3776	332	5					80.61	183.38	5		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 18ca 1427 2dd8 0b1c 3b00 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	4.16	3780	332	3					84.89	165.56	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 18ca 1539 2964 0214 3b10 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	2.16	3845	338	0					85.58	163.23	0		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 18ca 1565 28cf 0114 3c14 0200 0000 0000 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:33.300	74	N40905	2	6701	6701	0	-61	+61	DEP

RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7
-9.77	+16.40	329	19.05	3746 329	19.09	80.50	180.13	87	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
314	+10129	+10000	+10014	+10025	+2	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:33.300	Active Track Maintenance Msg	1700 0058 0001 394e 0001 3c8a 0001 38f6 003b 17e8 fbf7 0013 fb1e 0833 0000 0000
		fb99 0461 0000 ea24 1316 0dc1 7fff 1318 003a 1420 2d08 0636 004a 0000 0000 0000
		071f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0dc1 0000 0064 0064 0064 058a 0094 0000
		0000 0000 0000 0000 0000 0058 0005 0000 0000 0000 029c 0000 01cc 012f 004a 01c6
		0000 0213 0000 0001 0134 005a 0000 0000 0000 0000 0000 0000 0000 00dc ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 9900 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
0001 0000 0000 0043 5032 3852 0000 0000 4d59 4600 4c48 5300 2020 2020 2020 2020
2020 0000 4e34 3039 3035 0000 0000 0035 3837 0000 0000 0000 0000 0020 0000 0056
3539 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

END TIME START TIME TARGET REPORTS: LIVE SIMULATED VALID MODE-C: 0
01:04:33.090 01:04:28.540 RADAR-ONLY 113 0 0.0%
SENSOR = 2 BEACON-ONLY 0 0
RADAR & BEACON 0 0 VALID MODE-3/A: 0
TOTAL 113 0 0.0%

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:33.300	Sensor Sector Mark Msg	1715 000c 003b 1942 0000 0200

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:33.090	0	6.31	3857	339	2		85.09		167.89	2					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:33.310	Radar Report Msg	0b01 001c 003b 192e 1546 29f9 0328 3c44 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		8.63	3976	349	2		86.38		170.28	2					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:33.310	Radar Report Msg	0b01 001c 003b 1942 1598 2a92 0450 3e20 0202 0200 0001 0103 1d00 0000
01:04:33.520	Delete Track Msg	1704 0008 003b 0210

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:33.540	3	11.09	4052	356	1		87.83		172.61	1					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:33.750	Radar Report Msg	0b01 001c 003b 1a82 15f5 2b27 058c 3f50 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		5.81	27	2	3		87.41		167.17	3					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1a82 15da 29cb 02e8 006c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	SYSTEM COR	SYSTEM	PROC	STR	SC	TYP	SYS
	8.94	19	2	3		88.23	170.27	3				RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1a82 160f 2a91 0478 004c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	SYSTEM COR	SYSTEM	PROC	STR	SC	TYP	SYS
	18.22	51	4	3		91.72	178.97	3				RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:33.750	Radar Report Msg	0b01 001c 003b 1af0 16ee 2cbe 091c 00cc 0203 0300 0003 0003 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.88	60	5	2				87.69	167.14	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1af0 15ec 29c9 02f0 00f0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.38	123	11	1				88.42	167.39	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1af0 161b 29d9 0330 01ec 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
10.72	227	20	3				91.78	170.55	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1af0 16f2 2aa3 055c 038c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.53	197	17	5				89.11	167.20	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:33.750 Radar Report Msg 0b01 001c 003b 1afa 1647 29cd 0344 0314 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
10.56	226	20	2				91.69	170.42	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1afa 16ec 2a9b 0548 0388 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
50.97	260	23	4				116.78	202.22	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1afa 1d32 328e 197c 0410 0204 0400 0005 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:33.840	358		2	7303			+212	+288	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
-0.54	+17.46	358	17.44	4072 358	17.46	89.63	178.63	358	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
36	+18200	+18200	+18207	+18347	+29	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:33.840	Active Track Maintenance Msg	1700 0058 0002 3d5e 0002 38c0 0002 38fb 003b 195b 0000 00ef ffbb 08bb 0000 0000 0f16 148d ffff fe88 1176 0ec3 7fff 1178 0006 1668 2ca8 197e 0166 0000 0000 e058 051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:33.840	460	EJA631	2	4757	4757	0	-269	-155	RADAR-ONLY: NO

FIRMNESS: 36

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
+4.37	+26.38	9	26.72	106 9	26.77	96.66	186.19	311	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
240	+12129	+12000	+12003	+11804	-43	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:33.840 Active Track Maintenance Msg 1700 0058 0001 70e1 0001 7b0a 0001 771a 003b 19ba fbf7 fea7 022f 0d31 0000 0000
ecd7 f4ed 0000 06ae 1ac4 09ef 06b0 1ac0 0c74 182a 2e8c 1622 01cc 0000 0000 0000
071f 2400 0201 1000 0303 0100 0000 0000 0000 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09ef 0000 0172 ffff ffff 003c 026d 0000
0000 0000 0000 0001 0001 0001 0001 0000 0000 0000 009a 0000 003e 01bd 01cc 01a5
0000 01e5 0000 01c8 005b 0124 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2fff 0100 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0702
0001 0000 0000 0031 4335 3658 0000 0000 504d 4400 564e 5900 2020 2020 2020 2020
2020 0000 454a 4136 3331 0000 0000 0039 3135 0000 0000 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	27.41	366	32	5			105.72	180.53	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:33.840	Radar Report Msg	0b01 001c 003b 1b5e 1a6e 2d22 0db4 05b8 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	7.22	467	41	1			91.58	165.80	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:33.850	Radar Report Msg	0b01 001c 003b 1b68 16e5 2973 039c 074c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:34.060	491	2	2734	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+32.39	-21.30	123	38.72	1403 123	38.76	111.66	133.00	132	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1129	+1000	+0	+1129	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:34.060	Active Track Maintenance Msg	1700 0058 0000 234a 0000 234a 0000 0000 0000 0000 fbf7 0000 1032 f55a 0000 0000

0000 0000 0000 57b2 26c3 05dc 57b2 26c3 0000 1bea 2140 0963 01eb 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:33.760	4	5.78	411	36	3		90.06		165.34	3				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:34.070	Radar Report Msg	0b01 001c 003b 1c30 1684 2956 02e4 066c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		7.22	490	43	2		91.70		165.58	2				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1c30 16ed 2965 039c 07a8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.41	499	44	1			91.92	165.61	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1c30 16fb 2967 03b4 07cc 0201 0100 0001 0000 1d00 0000
01:04:34.190	Delete Track Msg	1704 0008 01a7 0910

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:33.970	6	7.41	517	45	2		92.03	165.44	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:34.200	Radar Report Msg	0b01 001c 003b 1ca8 1702 295c 03b4 0814 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	1.97	688	60	0			86.84	162.13	0		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:34.200	Radar Report Msg	0b01 001c 003b 1cb2 15b6 2888 00fc 0ac0 0200 0000 0000 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	3.69	699	61	4			88.98	162.63	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1cb2 163f 28a8 01d8 0aec 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM STAT	SYSTEM COR	SYSTEM NM	PROC STR	SC	TYP	SYS
	4.03	732	64	7		89.39	162.53	7			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1cb2 1659 28a2 0204 0b70 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM STAT	SYSTEM COR	SYSTEM NM	PROC STR	SC	TYP	SYS
01:04:34.080	7	3.91	776	68	2		89.28	162.27	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:34.290	Radar Report Msg	0b01 001c 003b 1d20 1652 2891 01f4 0c20 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	20.03	939	83	3		105.56	159.33	3		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:34.410	Radar Report Msg	0b01 001c 003b 1d84 1a64 27d5 0a04 0eac 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:34.630	6	2	1274	-7	+9				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+37.53	+17.88	64	41.54	733	65 41.60	126.59	169.64	12	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC WINDOW
324	-770	-899	-899	-899	+0	+0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:34.630	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e7eb ffff e3e1 003b 1c7b fbf7 0000 12c4 08f1 0000 0000
		ff80 00b6 0000 2dde 2999 02bc 2de0 2994 003b 1fa6 2a69 00df 0006 0000 0000 2e94
		0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:34.290	8	5.28	979	86	4		90.70	160.89	4	RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:34.630	Radar Report Msg	0b01 001c 003b 1dfc 16ad 2839 02a4 0f4c 0204 0400 0001 0303 1d00 0000
01:04:34.740	Delete Track Msg	1704 0008 01b0 0710
01:04:34.740	Delete Track Msg	1704 0008 0065 0210
01:04:34.740	Delete Track Msg	1704 0008 000c 0610

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:04:34.520	9	8.78	1105	97	5			93.78		158.63	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:34.750	Radar Report Msg	0b01 001c 003b 1ece 1772 27a8 0464 1144 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	29.94	1116	98	7				113.31		150.27	7		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1ece 1c54 2591 0ef8 1170 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
17.50	1131	99	3						101.67	154.72	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:34.760	Radar Report Msg	0b01 001c 003b 1ee2 196b 26ae 08c0 11ac 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
40.97	1155	102	4						122.48	143.77	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:34.770	Radar Report Msg	0b01 001c 003b 1ee2 1e9f 23f1 147c 120c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
8.03	1161	102	2						92.78	158.30	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1ee2 1732 2793 0404 1224 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS

51.66 1164 102 4 131.77 138.42 4 RT 2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1eec 20f1 229b 19d4 1230 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
2.94	1123	99	0			88.02	160.86	0					RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1eec 1601 2837 0178 118c 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
2.72	1159	102	0			87.72	160.86	0					RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1eec 15ee 2837 015c 121c 0200 0000 0000 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	7.59	1166	102	4					92.36	158.45	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1eec 1717 279d 03cc 1238 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	52.28	1211	106	4					130.48	134.84	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1eec 209f 21b6 1a24 12ec 0204 0400 0005 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:34.850	248		2	0772			-240	-93	RADAR-ONLY: NO

FIRMNESS: 30

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PREDICTED DEG	SYSTEM RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
+58.19	-1.33	91	58.20	1039	91	58.21	141.66	145.83	257	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
248	+16029	+15900	+15900	+15900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:34.850	Active Track Maintenance Msg	1700 0058 0001 f0e0 0001 f4ea 0001 f0e0 003b 1dd2 fbf7 0000 1d18 ff56 0000 0000 eeec f953 0000 40fe 3a36 01fa 40f0 3a34 003b 236a 2475 1256 00f8 0000 0000 0400 081f 1e00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:34.850	523	2		0646		-227	-81		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
+39.29	-1.68	92	39.28	1052 92	39.31	123.30	150.27	241	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
250	+12529	+12400	+12368	+12310	-12	+0	11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 80b1 0001 878a 0001 8280 003b 1de1 fbf7 ff9c 13a5 ff29 0000 0000 efdb fa2c 0000 41c1 2750 01a6 41c0 2754 1f74 1ed3 2591 112a 020b 0000 0000 0003 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:04:34.620	10	5.41	1247	110	4			90.03	158.92	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:34.850	Radar Report Msg	0b01 001c 003b 1f46 1682 27bb 02b4 137c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
		5.94	1203	106	1			90.69	158.94	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1f46 16ac 27bc 02f8 12cc 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
		6.34	1235	109	3			90.89	158.47	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1f46 16b9 279e 032c 134c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
48.31	1243	109	4				125.81		134.89	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1f46 1f74 21b9 1828 136c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
21.06	1258	111	3				102.91		149.72	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1f46 19ba 256e 0a88 13a8 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:35.070	298		2	0771		-206	-92		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+26.47	-6.84	104	27.30	1188 104	27.36	109.61	148.53	226	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
246	+9029	+8900	+8910	+8848	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:35.070	Active Track Maintenance Msg	1700 0058 0001 1480 0001 1a2a 0001 1673 003b 1e7b fbf7 ff94 0d3c fc95 0000 0000 f154 f96f 0000 4a47 1b5b 01f9 4a50 1b58 a00d 1b67 2522 1013 012a 0000 0000 10c4 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:04:35.070	394	N121NA	2	1320	1320	1V	-128	+17	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+17.43	-3.07	100	17.64	1140 100	17.72	101.83	154.45	130	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
277	+6029	+5900	+5904	+5906	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 b896 0000 bc6a 0000 b885 003b 1e42 fbf7 0004 08b7 fe77 0000 0000 f6d7 0144 0000 4745 11b8 02d0 4720 11b4 0003 1975 269d 093f 018a 0000 0000 b3e4 0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:35.070	519	2		1631	-160	-92			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+50.54	-10.45	101	51.57	1157 102	51.61	131.98	138.94	185	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
239	+8029	+7900	+7900	+7900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 f6e0 0000 faea 0000 f6e0 003b 1e57 fbf7 0000 1945 fac6 0000 0000 f49f f965 0000 485c 339c 0399 4850 339c 0106 20ff 22bc 0d28 0207 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:34.840	12	15.53	1267	111	3		98.25	152.75	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:35.070	Radar Report Msg	0b01 001c 003b 1fb4 1890 2630 07c4 13cc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	9.41	1321	116	5			92.78	155.78	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1fb4 1732 26f2 04b4 14a4 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	41.44	1246	110	5					120.00	138.58	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1fb4 1e00 22a5 14b8 1378 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	10.97	1251	110	7					94.69	155.67	7			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1fb4 17ac 26eb 057c 138c 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	22.28	1302	114	7			103.00	147.81	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1fb4 19c0 24f4 0b24 1458 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	47.22	1324	116	4			121.34	130.86	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 1fbe 1e56 20b7 179c 14b0 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	41.53	1423	125	5			112.58	130.17	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:35.080	Radar Report Msg	0b01 001c 003b 2018 1c25 208b 14c4 163c 0205 0500 0005 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:35.170	527	2	4676	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X	DISPLAY NM	DISPLAY Y	DISPLAY NM	PRED_AZIM AZI DEG	PREDICTED RANGE NM	SYSTEM ACP	SYSTEM DEG	SYSTEM RANGE NM	SPEED X	SPEED NM	SPEED Y	SPEED NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES

+24.04 -26.41 137 35.66 1566 138 35.71 102.28 130.19 92 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2029	+1900	+0	+2029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:35.170	Active Track Maintenance Msg	1700 0058 0000 3f6a 0000 3f6a 0000 0000 0000 0000 fbf7 0000 0c05 f2cc 0000 0000 0000 0000 0000 61e9 23b5 09be 61e9 23b5 0000 1992 208c 0692 020f 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:35.170	321	2	4665		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+43.03	-3.48	94	43.14	1076 95	43.17	126.48	147.52	147	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2329	+2200	+0	+2329	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 48ca 0000 48ca 0000 0000 0000 0000 fbf7 0000 1584 fe43 0000 0000
		0000 0000 0000 4348 2b2b 09b5 4348 2b2b 0000 1f9f 24e1 0a85 0141 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:35.170	245	2	5266		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+45.04	-6.70	98	45.49	1120 98	45.53	127.61	143.89	152	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+4229	+4100	+0	+4229	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 842a 0000 842a 0000 0000 0000 0000 fbf7 0000 1685 fca7 0000 0000
0000 0000 0000 4603 2d88 0ab6 4603 2d88 0000 1fe7 23f9 0ade 00f5 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:35.170	339	2		2201		-176	-63		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+47.13	-13.51	106	49.02	1207 106	48.96	127.92	136.84	187	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
250	+8029	+7900	+7883	+7872	-2	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:35.170	Active Track Maintenance Msg	1700 0058 0000 f600 0000 faea 0000 f65c 003b 1e8e fbf7 ffed 1791 f93f 0000 0000
		f376 fb81 0000 4b79 30f7 0481 4b60 3108 5858 1ffb 2236 0d52 0153 0000 0000 10fc
		061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:35.170	389	2	1654		-164	+87			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+40.93	-14.08	109	43.22	1241 109	43.29	121.78	137.86	186	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
298	+6529	+6400	+6407	+6316	-19	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 c566 0000 cc0a 0000 c839 003b 1eb5 fbf7 ff62 1477 f8f6 0000 0000
		f44d 063e 0000 4d93 2b49 03ac 4d80 2b48 0000 1e72 2277 0d42 0185 0000 0000 0000
		061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:35.170	590	2	4624		-24	-104			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+33.76	-16.15	115	37.40	1314 116	37.41	114.33	137.67	106	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
193	+2929	+2800	+2809	+2803	-1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 579a 0000 5b8a 0000 57c8 003b 1f09 fbf7 fff7 10e1 f7ed 0000 0000 fe4a f898 0000 522d 256a 0994 5230 256c 0104 1c95 226b 079a 024e 0000 0000 0000 061f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:35.170 207 N8451R 2 4647 4647 1X -108 +3 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+5.43 -2.73 116 6.01 1327 117 6.08 90.28 157.86 108 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
271 +6029 +5900 +5899 +5899 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 b85f 0000 bc6a 0000 b85f 003b 1f18 fbf7 0000 02b7 fea2 0000 0000
f843 0040 0000 52fe 0614 09a7 5300 0614 0000 1692 2777 07be 00cf 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09a7 0015 003c 003c 003c 0028 0068 0000
0000 0000 0000 0000 0000 0026 0001 0000 0000 0000 00b0 0000 0037 00e1 00cf 0041
0000 0044 0000 01bb 0036 00bd 0000 0000 0000 0000 0000 0000 0000 020c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5032 3841 0000 0000 504f 4300 5656 5600 2020 2020 2020 2020
2020 0000 4e38 3435 3152 0000 0000 0036 3633 0000 0058 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:35.170	155	2	3275		+95	+171			RADAR-ONLY: NO

FIRMNESS: 36

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+28.64	-20.57	125	35.24	1430	126	35.27	108.25	134.70	196 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
29	+5029	+4900	+4900	+4900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 9920 0000 9d2a 0000 9920 003b 1f8a fbf7 0000 0e52 f5b7 0000 0000 06cc 0c3a 0000 5965 2345 06bd 5960 2344 2477 1b10 21ad 0dfd 009b 0000 0000 3f00 0a1f 2400 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:35.290	451	2	3220		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+4.55	-15.10	163	15.72	1857 163	15.77	86.33	146.08	143	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+729	+600	+0	+729	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:35.290	Active Track Maintenance Msg	1700 0058 0000 16ca 0000 16ca 0000 0000 0000 0000 fbf7 0000 0247 f873 0000 0000
		0000 0000 0000 7410 0fc6 0690 7410 0fc6 0000 1595 2485 0a2f 01c3 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:35.070	13	37.84	1503	132	5		106.47	130.22	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:35.300	Radar Report Msg	0b01 001c 003b 2090 1a9e 208e 12ec 177c 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	24.19	1533	135	5			98.05	141.06	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 2090 1883 2344 0c18 17f4 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	28.56	1603	141	3				97.56		135.88	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:35.300	Radar Report Msg	0b01 001c 003b 20fe 1864 21f8 0e48 190c 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:35.390	424	2		4603	-246	-229			RADAR-ONLY: NO

FIRMNESS: 20

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+50.25	+8.16	80	50.90	916 81	50.91	136.34	157.02	337	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
227	+19400	+19400	+19435	+19135	-76	-4	00111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:35.390	Active Track Maintenance Msg	1700 0058 0002 55fd 0002 5e40 0002 5f5e 003b 1d4b 0000 fd9b 1920 0414 0000 0000 ee73 efa9 ffd9 3941 32e8 0983 3970 32e8 0002 2216 2741 17fb 01a8 0000 0000 1fe6 0407 1400 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:35.390	319	2		4725	+73	+14			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+0.41	-0.30	123	0.45	1317 116	0.61	86.09	161.44	74	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
78	+729	+600	+576	+676	+29	+3	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:35.390 Active Track Maintenance Msg 1700 0058 0000 1526 0000 16ca 0000 1205 003b 1f96 fbf7 00eb 0035 ffd9 0000 0000
0533 0108 001b 5254 009c 09d5 5a00 0084 0000 1586 285c 054d 013f 0000 0000 0000
041f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:35.390	329	2	4657		-138	+183			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
+22.61	-22.75	135	32.04	1538 135	32.09	101.88	134.13	229	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
322	+7029	+6900	+6900	+6900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 d7a0 0000 dbaa 0000 d7a0 003b 2004 fbf7 0000 0b4e f4a0 0000 0000
		f61f 0d09 0000 6025 2016 09af 6020 2014 0000 1978 2188 105b 0149 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:35.390	437	2	1200		-1	-79			RADAR-ONLY: NO
									FIRMNESS: 24

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+11.62	-1.43	96	11.64	1103	97	11.70	96.64	157.52	79 INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
181	+1729	+1600	+1600	+1600	+0	+0	01111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 3200 0000 360a 0000 3200 003b 1e1c fbf7 0000 05cf ff49 0000 0000
		ffe4 fa55 0000 44ff 0bb2 0280 4500 0bb4 0000 1829 2761 05ab 01b5 0000 0000 0000
		060f 1800 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT COR	SYSTEM Y NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:04:35.170	14	12.53	1690	149	4		89.36		149.94	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:35.510	Radar Report Msg	0b01 001c 003b 21d0 1657 257c 0644 1a68 0204 0400 0004 0101 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
	3.25	1691	149	7						86.58		159.14	7		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 21d0 15a5 27c9 01a0 1a6c 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
	5.03	1763	155	1						86.63		157.16	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:35.520	Radar Report Msg	0b01 001c 003b 21da 15a8 274a 0284 1b8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	4.09	1785	157	3				86.31		158.11	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 21da 1594 2787 020c 1be4 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	4.84	1788	157	4				86.41		157.31	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 21da 159a 2754 026c 1bf0 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	23.09	1817	160	4				88.02		138.92	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 21da 1601 22bb 0b8c 1c64 0204 0400 0004 0101 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	4.09	1850	163	1				85.94		158.08	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 21da 157c 2785 020c 1ce8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	4.03	1875	165	1			85.80		158.14		1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 21da 1573 2789 0204 1d4c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:35.610	55	2		7230	-219	-86			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+12.01	-12.23	135	17.10	1543 136	17.12	94.28	146.97	235	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
248	+3529	+3400	+3405	+3324	-17	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:35.610	Active Track Maintenance Msg	1700 0058 0000 67e1 0000 6e4a 0000 6a69 003b 2008 fbf7 ff74 0601 f9e3 0000 0000
		f06c f9d5 0000 6076 111e 0e98 6060 1124 0000 1792 24be 10c1 0037 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:35.610	278	2		4613	+245	+56			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+20.51	-20.63	135	29.08	1537 135	29.09	100.38	136.70	251	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
77	+6029	+5900	+5899	+5898	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 b857 0000 bc6a 0000 b859 003b 2004 fbf7 0000 0a41 f5af 0000 0000
1173 0403 0000 601c 1d17 098b 6020 1d18 0000 1918 222d 11e7 0116 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:35.610	561	2	4745		-155	+112			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID
+14.87	-16.05	137	21.80	1561 137	21.88	96.08	142.56	191	ALTITUDE: YES

FIRMNESS: 3

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
305	+4729	+4600	+4550	+4457	-20	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 8b4a 0000 93ca 0000 8e30 003b 201e fbf7 ff60 076f f7fa 0000 0000
f4ee 07fa 0000 6195 15e1 09e5 6190 15e0 0000 1805 23a4 0da5 0231 0000 0000 0000
031f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:35.610 98 2 3253 -116 -143 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+8.16 -12.76 147 15.12 1676 147 15.21 90.44 147.45 184 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
219 +3329 +3200 +3214 +2976 -56 -1 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 5d01 0000 680a 0000 6470 003b 20a0 fbf7 fe3f 0414 f99f 0000 0000
f7c0 f5c8 fff1 68cf 0f37 06ab 68d0 0f24 a014 169c 24dd 0d22 0062 0000 0000 ad2c
041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:35.610 7 2 1275 +7 +4 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 0
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: NO
+41.66 -14.41 109 44.04 1241 109 44.11 122.39 137.38 8 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
59	+0	+0	+0	+0	+0	00000	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 0000 0000 0000 0000 0000 003b 1eb6 0000 0000 14d4 f8cc 0000 0000 0080 004d 0000 4d9c 2c1c 02bd 4d90 2c14 0001 1e99 2258 0095 0007 0000 0000 07cc 0000 2600 0203 1000 0300 0100 0000 0001 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:35.610	59	2	7220		+264	+415			RADAR-ONLY: NO

FIRMNESS: 15

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+41.52	+29.72	54	51.02	622	55	50.48	133.28	180.00	492 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
32	+27000	+27000	+26983	+27042	+12	+0	00011

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0003 4d17 0003 4bc0 0003 4b3b 003b 1bfa 0000 0067 14c3 0edc 0000 0000 12d6 1d89 0000 26e0 327c 0e90 26b0 3310 1d00 2152 2d00 2308 003b 0000 0000 2646 0403 0f00 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001
01:04:35.850	Delete Track Msg	1704 0008 024b 0010
01:04:35.850	Delete Track Msg	1704 0008 011c 0410
01:04:35.850	Delete Track Msg	1704 0008 0204 0910

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:35.860	176	2	4772		+154	+50			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+5.79	-9.78	149	11.32	1698	149	11.37	88.89	150.92	162 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
71	+4029	+3900	+3869	+3808	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:35.860	Active Track Maintenance Msg	1700 0058 0000 7703 0000 7dea 0000 78ee 003b 20ba fbf7 ff96 02e5 fb1c 0000 0000 0aff 039e 0000 6a2b 0b5e 09fa 6a40 0b60 003b 1639 25bb 0b93 00b0 0000 0000 2456 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:35.860	160	2	4645	+257	+266				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7
+6.16	-10.52	149	12.15	1704 150	12.20	88.98	150.36	370	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
44	+16329	+16200	+16191	+16377	+40	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 ffc8 0001 fe4a 0001 f9fa 003b 20bd fbf7 0144 0315 fabd 0000 0000
1249 12f9 0001 6a89 0c33 09a5 6a70 0c34 5858 163f 2597 1a59 00a0 0000 0000 052c
071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:35.860 406 2 4622 -156 -8 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 9
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+9.66 -21.98 156 23.95 1777 156 24.02 89.55 138.14 156 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
267 +3929 +3800 +3795 +3791 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 767f 0000 7aca 0000 7698 003b 2112 fbf7 fffc 04d5 f503 0000 0000
f4e7 ff68 0000 6f19 1805 0992 6f20 1804 0000 1663 2289 0b1e 0196 0000 0000 0000
091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:35.860 310 2 1051 +447 +106 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+11.73 -30.69 159 32.84 1811 159 32.85 89.31 129.41 460 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
76	+23500	+23500	+23477	+23645	+36	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 e2ee 0002 de60 0002 ddab 003b 2136 0000 0125 05de f0a8 0000 0000 1fdb 0794 0000 7135 20da 0229 7120 20dc a015 1654 205a 20be 0136 0000 0000 6e44 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE ASSIGNED	BEACON CODE REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:35.860	530	2	4643		-276	+177			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+18.77	-41.30	155	45.31	1769 155	45.37	93.44	117.25	328	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
302	+20000	+20000	+20000	+20000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 7100 0002 7100 0002 7100 003b 2109 0000 0000 0962 eb59 0000 0000
		ec58 0c9c 0000 6e90 2d5f 09a3 6ea0 2d60 0000 175c 1d50 175a 0212 0000 0000 0141
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:35.620	17	6.47	1891	166	1		85.67	155.58	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:35.860	Radar Report Msg	0b01 001c 003b 22b6 156b 26e5 033c 1d8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	5.22	1886	166	2			85.72	156.88	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 22b6 156e 2738 029c 1d78 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	18.34	1891	166	3				85.48		143.56	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 22b6 155f 23e4 092c 1d8c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	6.38	1887	166	4				85.70		155.67	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 22b6 156d 26eb 0330 1d7c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
4.16	2003	176	1				85.05	158.08	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 22b6 1543 2785 0214 1f4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.19	2078	183	4				84.30	157.13	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:35.860	Radar Report Msg	0b01 001c 003b 231a 1513 2748 0298 2078 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
28.66	2139	188	3				74.73	135.44	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 2324 12af 21dc 0e54 216c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
31.72	2146	189	5				73.25	132.75	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:35.950 Radar Report Msg 0b01 001c 003b 2392 1250 2130 0fdc 2188 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	13.56	2186	192	4					79.69			149.81	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 2392 13ec 2574 06c8 2228 0204 0400 0004 0101 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	17.66	2154	189	3					78.63			145.78	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 2392 13a8 2472 08d4 21a8 0203 0300 0004 0003 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	12.91	2243	197	3			79.02	150.95	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 2392 13c1 25bd 0674 230c 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:36.050	328	2	6655		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+18.27	-21.28	139	28.01	1585 139	28.05	98.02	136.61	137	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+829	+700	+0	+829	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:36.050	Active Track Maintenance Msg	1700 0058 0000 19ea 0000 19ea 0000 0000 0000 0000 fbf7 0000 0923 f55c 0000 0000 0000 0000 0000 6317 1c0c 0dad 6317 1c0c 0000 1881 2227 09ce 0148 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:36.050	449	2	7242		-317	+151			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
-4.24	-31.95	187	32.21	2133 188	32.24	73.75	132.42	352	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
295	+33000	+33000	+32996	+32994	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:36.050	Active Track Maintenance Msg	1700 0058 0004 0713 0004 0740 0004 0727 003b 22a2 0000 fffd fde1 f007 0000 0000
		e964 0abe 0000 8557 203e 0ea2 7fff 203c 4018 1270 211b 1908 01c1 0000 0000 0084
		091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:36.050	532	2	7234		-89	-199			RADAR-ONLY: NO

FIRMNESS: 27

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
-2.38	-17.70	187	17.84	2135 188	17.82	79.00	145.33	218	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
204	+3129	+3000	+2963	+3140	+39	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 6220 0000 61ca 0000 5c98 003b 22a3 fbf7 0139 fed0 f727 0000 0000
		f9a1 f1d6 0003 857d 11d3 0e9c 7fff 11dc 0101 13c0 2455 0f88 0214 0000 0000 66d8
		071f 1b00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:36.050	580	2	4614		-48	+65			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-0.80	-17.51	182	17.52	2077 183	17.55	80.56	145.13	81	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
323	+5029	+4900	+4883	+4953	+20	+2	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 9aca 0000 9d2a 0000 9899 003b 2263 fbf7 00a6 ff99 f73f 0000 0000
fc8a 04aa 0013 81d4 118d 098c 7fff 1188 407a 1424 2448 05cf 0244 0000 0000 0088
041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:36.050	49	2	6311	+361	+7				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-6.31	-44.92	188	45.32	2137 188	45.41	68.30	120.03	362	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
88	+9629	+9500	+9529	+9410	-25	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 2617 0001 2cea 0001 29cc 003b 22a8 fbf7 ff32 fcd8 e98a 0000 0000
		19bd 0084 0000 8598 2d69 0cc9 7fff 2d5c 0000 1113 1e02 19bf 0031 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:36.050	555	2	3507		+61	+171			RADAR-ONLY: NO
									FIRMNESS: 20

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5
+25.38	-26.25	136	36.51	1550 136	36.53	103.66	130.03	182	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
19	+5029	+4900	+4900	+4900	+0	+0	00111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 9920 0000 9d2a 0000 9920 003b 200e fbf7 0000 0cb1 f2e0 0000 0000
		045c 0c39 0000 60ef 2488 0747 60b0 2484 0000 19ea 2082 0cfa 022b 0000 0000 0000
		0507 1400 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:35.820	18	4.44	2243	197	1		83.59	158.33	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:36.060	Radar Report Msg	0b01 001c 003b 23f6 14e6 2795 0238 230c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
5.38	2276	200	4			82.84	157.63	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 23f6 14b6 2768 02b0 2390 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:36.280	379	2	6312	+255	+8				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: YES
-3.25	-12.48	194	12.85	2211 194	12.90	79.48	150.63	255	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
88	+7429	+7300	+7350	+7203	-31	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:04:36.280 Active Track Maintenance Msg 1700 0058 0000 e11e 0000 e82a 0000 e5b0 003b 22fc fbf7 ff01 fe60 f9c2 0000 0000
1227 0099 0000 8a3d 0ce6 0cca 7fff 0ce8 003b 13df 25a8 122a 017b 0000 0000 0300
031f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:36.280 361 2 1022 -192 -185 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 7
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-5.77 -18.69 197 19.55 2244 197 19.46 75.47 145.23 266 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
226 +5529 +5400 +5415 +5769 +76 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 b44b 0000 acca 0000 a93b 003b 231d fbf7 0265 fd1e f6a8 0000 0000
f256 f2d7 0000 8c49 1377 0212 7fff 1390 0000 12de 244f 12f8 0169 0000 0000 2bf4
071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:36.280 219 2 1060 -397 -125 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-4.19 -19.05 192 19.45 2189 192 19.53 77.27 145.20 416 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
252	+35000	+35000	+34993	+34991	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 457b 0004 45c0 0004 458e 003b 22e0 0000 fffd fde8 f679 0000 0000 e3c2 f71a 0000 88d8 1388 0230 7fff 1384 1cbe 1351 244d 1d9d 00db 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:36.280	173	2	6307		+523	-215			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-6.27	-14.66	203	15.90	2310 203	15.96	76.56	149.95	566	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
112	+33000	+33000	+33000	+33000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 0740 0004 0740 0004 0740 003b 2369 0000 0000 fcde f8ab 0000 0000 253c f0ad 0000 906e 0ff7 0cc7 7fff 0ff4 1d00 1324 257d 2844 00ad 0000 0000 25b7 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:36.160	21	7.47	2501	220	2		79.83	157.59	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 24dc 13f5 2766 03bc 2714 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
		5.56	2506	220	1		81.41	158.78	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:36.390	Radar Report Msg	0b01 001c 003b 24e6 145a 27b2 02c8 2728 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.56	2531	222	1			81.30			158.95	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 24e6 1453 27bd 02c8 278c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	12.41	2531	222	3			75.44			155.16	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 24e6 12dc 26ca 0634 278c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.97	2582	227	4				80.72	159.11	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:36.400	Radar Report Msg	0b01 001c 003b 254a 142e 27c7 02fc 2858 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.63	2634	232	2				79.89	159.23	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 254a 13f9 27cf 0350 2928 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
8.69	2659	234	3				77.83	158.69	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 254a 1375 27ac 0458 298c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.09	2650	233	1				79.39	159.20	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 254a 13d9 27cd 038c 2968 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM	COR SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
7.22	2666	234	1				79.20	159.31	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 254a 13cd 27d4 039c 29a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM	COR SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
8.03	2659	234	1				78.45	158.94	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 254a 139d 27bc 0404 298c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	21.97	2691	237	1			65.03	154.77	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 254a 1042 26b1 0afc 2a0c 0201 0100 0001 0000 1d00 0000
01:04:36.490	Delete Track Msg	1704 0008 002c 0110

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	9.66	2739	241	1			76.56	159.44	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:36.500	Radar Report Msg	0b01 001c 003b 25ae 1324 27dc 04d4 2acc 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.38	2714	239	2			81.88	160.66	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 25ae 1478 282a 0230 2a68 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	29.28	2775	244	5			57.13	156.05	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 25ae 0e48 2703 0ea4 2b5c 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:36.390	22	15.75	2747	241	2		70.56	158.08	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:36.610	Radar Report Msg	0b01 001c 003b 2626 11a4 2785 07e0 2aec 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		8.72	2747	241	4		77.45	159.78	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 2626 135d 27f2 045c 2aec 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
2.00	2794	246	3				84.61	161.64	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 2626 1527 2869 0100 2ba8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
12.00	2835	249	3				73.95	160.56	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 2626 127d 2824 0600 2c4c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
15.22	2835	249	1				70.72	160.22	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:36.710	Radar Report Msg	0b01 001c 003b 263a 11ae 280e 079c 2c4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
15.06	2862	252	4				70.83	160.84	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 263a 11b5 2836 0788 2cb8 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:36.830	8	2	1273		+5	+11			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-37.78	-33.20	228	50.26	2600 229	50.27	40.83	139.30	12	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
27	-899	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:36.830	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e3e1 ffff e3e1 003b 24b1 0000 0000 ed1c ef66 0000 0000 006c 00cc 0000 a28d 3244 02bb 7fff 324c 0000 0a35 22d3 00e7 0008 0000 0000 17dd 0a1f 2603 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:36.830	586	2	4673		+316	-10			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-13.91	-12.14	228	18.43	2603 229	18.43	69.30	153.64	316	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
91	+10029	+9900	+9904	+9907	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 359a 0001 396a 0001 3587 003b 24b3 fbf7 0004 f90b f9ee 0000 0000
		1684 ff46 0000 a2be 126e 09bb 7fff 1278 259b 1153 2669 1687 024a 0000 0000 0300
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:36.830	304	2	7342		-319	+166			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-32.44	-18.38	240	37.28	2735 240	37.27	50.17	152.39	359	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
297	+35000	+35000	+35000	+35000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0004 45c0 0004 45c0 0004 45c1 003b 2548 0000 0000 efc8 f6d0 0000 0000
e950 0bd9 0000 aaf9 2546 0ee2 7fff 2548 0000 0c8b 2619 1998 0130 0000 0000 0100
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

01:04:36.940 Delete Flight Data Msg 1809 0008 0258 0600

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
01:04:36.740	25	13.44	3125	275	2			73.19	166.25	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:36.970	Radar Report Msg	0b01 001c 003b 277a 124c 2990 06b8 30d4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
	19.03	3075	270	3				67.45	166.72	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 277a 10dd 29ae 0984 300c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	13.09	3139	276	1			73.61	166.39	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 277a 1267 2999 068c 310c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	13.72	3120	274	4			72.88	166.25	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 277a 1238 2990 06dc 30c0 0204 0400 0001 0303 1d00 0000
01:04:37.060	Delete Flight Data Msg	1809 0008 022c 0500

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:37.060	87	CPF420	2	4664	4664	1X	+113	-47	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6
-3.71	-0.95	255	3.80	2909 256	3.84	82.02	161.86	122	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW

112 +5029 +4900 +4899 +4891 -1 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:37.060	Active Track Maintenance Msg	1700 0058 0000 98db 0000 9d2a 0000 991b 003b 2609 fbf7 fff3 fe25 ff86 0000 0000 080a fca8 0000 b5d4 03d6 09b4 7fff 03d4 0001 1481 2877 08b5 0057 0000 0000 2784 061f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09b4 0015 0032 0032 0032 003c 017c 0000
0000 0000 0000 0000 0000 0001 0026 0000 0000 0000 00ed 0000 01b0 009b 0057 0201
0000 016b 0000 0010 0184 0185 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2eff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 4332 3036 0000 0000 5748 5000 544f 4100 2020 2020 2020 2020
2020 0000 4350 4634 3230 0000 0000 0035 3634 0000 0058 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:37.060 591 N31F 2 0260 0260 1Y +41 +77 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-7.20 -1.98 255 7.44 2895 255 7.45 78.31 161.75 88 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: YES
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
28 +1929 +1800 +1790 +1790 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 37f2 0000 3c4a 0000 37f6 003b 25fd fbf7 0000 fc66 ff03 0000 0000

02f0 058b 0000 b4ff 0773 00b0 7fff 0778 a010 1394 2870 0646 024f 0000 0000 9180
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 00b0 008a 0104 ffff ffff 003d 000e 0000
0000 0000 0000 0000 0000 008a 008a 0000 0000 0000 0000 0000 00c9 00d5 024f 015c
0000 00b1 0000 013a 00d7 00d5 0000 0000 0000 0000 0000 0000 0000 0448 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0004 2020 2fff 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0702
0001 0000 0000 0043 0000 0000 0000 0000 0000 0000 564e 5900 2020 2020 2020 2020
2020 0000 4e33 3146 0000 0000 0000 0000 0000 0000 0059 0000 0000 0020 564e 5900
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:37.060 545 2 4706 -145 -44 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-24.69 -6.38 255 25.50 2906 255 25.52 60.28 161.92 152 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
253 +4029 +3900 +3900 +3900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 79e0 0000 7dea 0000 79e0 003b 2608 fbf7 0000 f3a8 fcd0 0000 0000
f5a4 fcd7 0000 b5ac 1984 09c6 7fff 1980 0000 0f12 287b 0ad5 0221 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: OVR
01:04:37.060 274 N8063T 2 4763 4763 1V +122 +38 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 6
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-16.08 -2.95 259 16.33 2953 260 16.35 69.52 163.06 128 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
72 +7029 +6900 +6900 +6910 +2 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 d7f3 0000 dbaa 0000 d7a7 003b 263d fbf7 0011 f7f6 fe87 0000 0000
08b9 02be 0000 b896 1059 09f3 7fff 1058 0000 1161 28c4 0924 0112 0000 0000 0000
061f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09f3 0005 0032 ffff 0032 002c 022a 0000
0000 0000 0000 01b8 0000 0003 0015 0000 0000 0000 00ae 0000 0070 0245 0112 00cb
0000 002d 0000 0194 0133 0144 0000 0000 0000 0000 0000 0000 0000 042f ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 00ff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0036 5041 3332 0000 0000 4f58 5200 4844 4600 2020 2020 2020 2020
2020 0000 4e38 3036 3354 0000 0000 0030 3030 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:04:36.820	26	10.13	3235	284	1		77.03	166.67	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:37.060	Radar Report Msg	0b01 001c 003b 27d4 1342 29ab 0510 328c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	10.13	3258	286	1			77.20	166.98	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 27d4 134d 29bf 0510 32e8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	13.91	3282	288	4			74.20	169.38	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 27d4 128d 2a58 06f4 3348 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:37.160	275	2	0257	+0	+0		RADAR-ONLY: NO		

FIRMNESS: 63

DISPLAY X	DISPLAY NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PREDICTED DEG	SYSTEM RANGE NM	SYSTEM X	SYSTEM NM Y	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES

+35.41 +0.84 88 35.38 1008 89 35.41 120.22 153.64 153 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1729	+1600	+0	+1729	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:37.160	Active Track Maintenance Msg	1700 0058 0000 360a 0000 360a 0000 0000 0000 0000 fbf7 0000 11b4 006c 0000 0000 0000 0000 0000 3f07 236a 00af 3f07 236a 0000 1e0e 2669 0af1 0113 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:37.160 362 2 0006 +216 -359 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 8
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-24.76 -1.59 266 24.80 3030 266 24.79 61.53 166.55 419 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
149 +14729 +14600 +14571 +14358 -45 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:04:37.160 Active Track Maintenance Msg 1700 0058 0001 c0b7 0001 cc4a 0001 c75a 003b 2692 fbf7 fe93 f39f ff34 0000 0000
0f5d e676 0001 bd62 18c9 0006 7fff 18d0 0000 0f62 29a3 1dce 016a 0000 0000 0122
081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:37.160 475 N6887L 2 4714 4714 1V +183 +8 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 7
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-17.13 -1.23 266 17.16 3025 266 17.17 68.91 164.98 183 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
87 +5029 +4900 +4898 +4905 +1 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 994a 0000 9d2a 0000 9913 003b 268d fbf7 000c f770 ff63 0000 0000
0d08 00a3 0000 bd14 112c 09cc 7fff 112c a006 113a 293f 0d0c 01db 0000 0000 eea0
071f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0004 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 2000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09cc 0005 0000 ffff 0032 0038 0253 0000
0000 0000 0000 00f3 0000 0003 0015 0000 0000 0000 00f2 0000 0014 0138 01db 00c3
0000 01aa 0000 0062 0054 01c9 0000 0000 0000 0000 0000 0000 0000 025c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 1dff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0036 4334 3231 0000 0000 4f58 5200 4343 4200 2020 2020 2020 2020
2020 0000 4e36 3838 374c 0000 0000 0037 3937 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:37.160	297	2	1056		-8	+94			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-41.27	-1.27	268	41.27	3052 268	41.30	45.56	171.06	94	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
354	+6429	+6300	+6345	+6404	+12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 c827 0000 c8ea 0000 c64f 003b 26ab fbf7 0067 eb5e ff5e 0000 0000
		ff66 06b4 0000 bec0 294c 022e 7fff 2948 2a53 0b64 2ac4 06bb 0129 0000 0000 b89b
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:37.160	9	2	1275		+1	+5			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-12.51	-10.99	228	16.61	2601 229	16.65	70.89	154.38	5	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
19	-470	-599	-599	-599	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 ffff ed41 ffff f14b ffff ed41 003b 24b1 fbf7 0000 f9bf fa81 0000 0000
0022 0062 0000 a29f 10a7 02bd 7fff 10a8 0001 11b9 2698 0068 0009 0000 0000 0100
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

01:04:37.280 Delete Flight Data Msg 1809 0008 0083 0100
Delete Flight Data Msg 1809 0008 0033 0200
01:04:37.290 Delete Track Msg 1704 0008 00ec 0510

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:37.130	27	6.78	3310	291	5				80.41		165.66	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:37.380	Radar Report Msg	0b01 001c 003b 28ba 141a 296a 0364 33b8 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:37.500 84 N774CS 2 3376 3376 1W +163 -147 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 3
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-20.34 +3.81 280 20.66 3192 281 20.71 67.13 170.66 220 INHIBIT MSAW PROCESS: YES
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
132 +9529 +9400 +9450 +9394 -12 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

01:04:37.500 Active Track Maintenance Msg 1700 0058 0001 2596 0001 29ca 0001 2750 003b 274a fbf7 ff9f f5d5 01e8 0000 0000
0ba3 f57f 0000 c783 14b7 06fe 7fff 14b0 0000 10c8 2aaa 0fac 0054 0000 0000 0000
031f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 06fe 0003 012c ffff f830 0037 01ab 0000
0000 0000 0000 015e 0000 0007 002e 0000 0000 0000 00a9 0000 0215 0249 0054 0250
0000 0149 0000 0213 0091 014a 0000 0000 0000 0000 0000 0000 0000 03cb ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2056 2eff 0000 0000 0000 0000 0000 0101 0003 0000 0001 0001 0502
0001 0000 0000 0043 4332 3130 0000 0000 5341 3900 544f 4100 2020 2020 2020 2020
2020 0000 4e37 3734 4353 0000 0000 0036 3032 0000 0057 0000 0000 0020 0000 004f
4646 5620 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:37.500	194	DDA77	2	4043	4043	1M	+332	-325	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
-40.19	+14.65	290	42.77	3299 290	42.70	50.69	186.16	465	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
134	+16129	+16000	+16012	+15580	-94	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:37.500	Active Track Maintenance Msg	1700 0058 0001 e6e7 0001 f80a 0001 f462 003b 27c2 fbf7 fd0b ebe8 0753 0000 0000 17ad e8d5 fffd ce36 2ab2 0823 7fff 2ac8 0000 0cac 2e8a 2121 00c2 0000 0000 0000 051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0823 0007 0136 ffff 0172 003f 0204 0000
		0000 0000 0000 0007 0000 0007 0000 0000 0000 0000 00ab 0000 0090 00b2 00c2 0000
		0000 0000 0000 00c8 01da 00f5 0000 0000 0000 0000 0000 0000 0000 023d ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000 0100 0000
		0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0005 2000 35ff 0000 0000 0000 0000 0000 0100 0000 0000 0001 0001 0102
		0001 0000 0000 0043 4c4a 3335 0000 0000 4649 4d00 5656 5600 2020 2020 2020 2020
		2020 0000 4444 4137 3700 0000 0000 0033 3535 0000 004d 0000 0000 0020 5656 5600
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG X	QUA NM	BEACON Y	ALT NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:37.160	28	7.19	3423	301	2		80.86	166.83	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:37.500	Radar Report Msg	0b01 001c 003b 2928 1437 29b5 0398 357c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG X	QUA NM	BEACON Y	ALT NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	25.34	3475	305	3		69.55	181.23	3				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 2928 1163 2d4f 0cac 364c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
13.00	3535	311	4				78.44		172.44	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 2932 139c 2b1c 0680 373c 0204 0400 0004 0101 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:37.380	29	5.34	3672	323	2		83.81		166.53	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:37.610	Radar Report Msg	0b01 001c 003b 2a04 14f4 29a2 02ac 3960 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:37.720	384	2		1200	+103	+50			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-33.43	-0.82	268	33.38	3056 269	33.41	53.25	169.52	114	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
64	+5629	+5500	+5500	+5500	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:37.720	Active Track Maintenance Msg	1700 0058 0000 abe0 0000 afea 0000 abe0 003b 26b0 fbf7 0000 ef49 ff97 0000 0000 0759 0397 0000 bf09 216a 0280 7fff 2170 0000 0d50 2a61 082d 0180 0000 0000 0068 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:37.480	30	4.78	3700	325	4			84.22	166.05	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:37.720	Radar Report Msg	0b01 001c 003b 2a5e 150e 2983 0264 39d0 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
		5.25	3674	323	4			83.86	166.45	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 2a5e 14f7 299d 02a0 3968 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	4.97	3684	324	2			84.05	166.20	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 2a5e 1503 298d 027c 3990 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:37.820	56	2	4752	-131	+177				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-29.36	+24.31	309	38.08	3523 310	38.12	63.56	192.77	220	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
323	+12029	+11900	+11900	+11900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:37.820	Active Track Maintenance Msg	1700 0058 0001 73e0 0001 77ea 0001 73e0 003b 28bd fbf7 0000 f152 0c28 0000 0000 f6a9 0c9e 0000 dc32 261e 09ea 7fff 2620 0000 0fe4 3031 0fb3 0038 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:37.820	400	2	4675	-198	-50				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-43.89	+32.45	306	54.56	3486 306	54.56	51.58	204.30	204	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
255	+14029	+13900	+13900	+13900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0001 b260 0001 b66a 0001 b260 003b 2894 fbf7 0000 ea0e 1039 0000 0000
f1eb fc63 0000 d9e6 3690 09bd 7fff 3694 0001 0ce5 3313 0e8a 0190 0000 0000 1866
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:37.820	51	2	1331		-196	+281			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-27.16	+21.33	308	34.50	3505 308	34.53	65.13	189.06	343	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
325	+31000	+31000	+31000	+31000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0003 c8c0 0003 c8c0 0003 c8c0 003b 28aa 0000 0000 f26c 0aaa 0000 0000
		f1ff 1400 0000 db15 2287 02d9 7fff 2288 a00b 1048 2f44 186a 0033 0000 0000 a794
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:37.820	392	2	7304		-257	+273			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-29.21	+25.43	311	38.67	3537 311	38.72	64.08	193.67	375	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
316	+24100	+24100	+24107	+24230	+26	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 f530 0002 f120 0002 f15a 003b 28cf 0000 00d5 f165 0cb7 0000 0000
		edb5 1379 0000 dd1e 26b8 0ec4 7fff 26bc 0000 1005 306b 1ab8 0188 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	22.19	3779	332	3			80.72	183.38	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:37.830	Radar Report Msg	0b01 001c 003b 2ad6 142e 2dd8 0b18 3b0c 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE--- ASSIGNED	BEACON CODE--- REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:37.930	322	N900RL	2	3601	3601	1Y	+57	-207	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
-9.67	+9.12	313	13.22	3564 313	13.27	78.75	173.09	215	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
164	+6329	+6200	+6216	+6114	-22	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:37.930	Active Track Maintenance Msg	1700 0058 0000 bf12 0000 c5ca 0000 c246 003b 28ec fbf7 ff4d fb2a 048f 0000 0000 0419 f145 0000 dec8 0d46 0781 7fff 0d4c 0001 13b0 2b46 0f4a 0142 0000 0000 2aea 081f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0781 008a 0122 ffff 01c2 0037 01b6 0000
0000 0000 0000 00ef 0000 0001 0001 0000 0000 0000 008f 0000 012b 00a5 0142 009b
0000 01c6 0000 01cb 000c 020d 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0100 0000 0000 0000 0000 0100 0000 0000 0001 0001 0702
0001 0000 0000 0031 474c 4634 0000 0000 504d 4400 5656 5600 2020 2020 2020 2020
2020 0000 4e39 3030 524c 0000 0000 0035 3736 0000 0059 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: DEP
01:04:37.930 74 N40905 2 6701 6701 0 -56 +68 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 8
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-9.83 +16.51 329 19.20 3745 329 19.20 80.47 180.23 89 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
320 +10129 +10000 +10013 +10021 +1 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 3929 0001 3c8a 0001 38ee 003b 29b8 fbf7 000d fb16 0841 0000 0000

fbf5 04e5 0000 ea12 1332 0dc1 7fff 1338 0000 141e 2d0f 0659 004a 0000 0000 0000
081f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0dc1 0000 0064 0064 0064 058a 0094 0000
0000 0000 0000 0000 0000 0058 0005 0000 0000 0000 029c 0000 01cc 012f 004a 01c6
0000 0213 0000 0001 0134 005a 0000 0000 0000 0000 0000 0000 0000 00dc ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 9900 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
0001 0000 0000 0043 5032 3852 0000 0000 4d59 4600 4c48 5300 2020 2020 2020 2020
2020 0000 4e34 3039 3035 0000 0000 0035 3837 0000 0000 0000 0000 0020 0000 0056
3539 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:37.600	31	6.31	3862	339	2		85.14	167.89	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:37.940	Radar Report Msg	0b01 001c 003b 2aea 1549 29f9 0328 3c58 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.03	3838	337	2			85.11	166.55	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 2aea 1547 29a3 0284 3bf8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	2.09	3846	338	0			85.59	163.14	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 2aea 1566 28c9 010c 3c18 0200 0000 0000 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	8.63	3977	350	2			86.39	170.28	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 2aea 1599 2a92 0450 3e24 0202 0200 0001 0103 1d00 0000

END TIME	START TIME	TARGET REPORTS: LIVE	SIMULATED	VALID MODE-C:	0
01:04:37.840	01:04:33.090	RADAR-ONLY	110	0	0.0%
SENSOR = 2		BEACON-ONLY	0	0	
		RADAR & BEACON	0	0	VALID MODE-3/A: 0
		TOTAL	110	0	0.0%

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:38.040	Sensor Sector Mark Msg	1715 000c 003b 2bd0 0000 0200

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	NM	SYSTEM Y	NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:04:37.840	0	6.63	3958	348	2		86.05	168.25	2			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:38.050	Radar Report Msg	0b01 001c 003b 2bc6 1583 2a10 0350 3dd8 0202 0200 0001 0103 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.59	3994	351	1			86.81	172.25	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 2bc6 15b4 2b10 054c 3e68 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.91	4019	353	1			87.25	172.52	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:38.060	Radar Report Msg	0b01 001c 003b 2bd0 15d0 2b21 0574 3ecc 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	11.09	4051	356	1			87.81	172.61	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 2bd0 15f4 2b27 058c 3f4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:37.940	1	5.81	21	2	4		87.34	167.19	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:38.170 Radar Report Msg 0b01 001c 003b 2c2a 15d6 29cc 02e8 0054 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.41	123	11	1						88.44	167.42	1				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 2c2a 161c 29db 0334 01ec 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
10.34	195	17	1						91.14	170.52	1				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:38.280	Radar Report Msg	0b01 001c 003b 2c98 16c9 2aa1 052c 030c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	10.69	232	20	4			91.83	170.47	4				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 2c98 16f5 2a9e 0558 03a0 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:38.380	358	2	7303			+230	+280		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
-0.22	+17.82	359	17.81	4085	359 17.81	90.02	178.91	363	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC WINDOW
39	+18400	+18400	+18380	+18540	+35	+0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:38.380	Active Track Maintenance Msg	1700 0058 0002 4360 0002 3f00 0002 3e62 003b 2b39 0000 011b ffe4 08e9 0000 0000
		106d 13f7 0003 ff51 11d0 0ec3 7fff 11d4 0000 1681 2cba 19db 0166 0000 0000 0000
		061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:38.490	491	2	2734			+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0

X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+32.33 -21.44 123 38.77 1405 124 38.79 111.56 132.88 131 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
0 +1129 +1000 +0 +1129 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:38.490	Active Track Maintenance Msg	1700 0058 0000 234a 0000 234a 0000 0000 0000 0000 fbf7 0000 102a f548 0000 0000
		0000 0000 0000 57db 26ca 05dc 57db 26ca 0000 1be4 2138 0955 01eb 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
01:04:38.260	3	13.22	243	21	3				93.48		172.44	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:38.490	Radar Report Msg	0b01 001c 003b 2d10 175f 2b1c 069c 03cc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	10.72	259	23	1				92.20		170.23	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 2d10 170d 2a8f 055c 040c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	10.91	267	23	3				92.42		170.31	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 2d10 171b 2a94 0574 042c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	11.03	283	25	1				92.70		170.25	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:38.500	Radar Report Msg	0b01 001c 003b 2d74 172d 2a90 0584 046c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	18.03	298	26	3				97.52		175.41	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg	0b01 001c 003b 2d74 1861 2bda 0904 04a8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X NM	Y NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	27.47	369	32	5			105.84	180.48	5		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 2d74 1a76 2d1f 0dbc 05c4 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:38.600 460 EJA631 2 4757 4757 0 -266 -159 RADAR-ONLY: NO
FIRMNESS: 37
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 8
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+4.05 +26.18 8 26.43 99 9 26.50 96.30 186.08 310 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
239 +11929 +11800 +11802 +11602 -43 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:04:38.600 Active Track Maintenance Msg 1700 0058 0001 6a90 0001 74ca 0001 70d2 003b 2c40 fbf7 fea5 0206 0d17 0000 0000
ed11 f4a5 0000 0637 1a81 09ef 0640 1a80 1666 1813 2e85 1614 01cc 0000 0000 0000
081f 2500 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09ef 0000 0172 ffff ffff 003c 026d 0000
0000 0000 0000 0001 0001 0001 0001 0000 0000 0000 009a 0000 003e 01bd 01cc 01a5
0000 01e5 0000 01c8 005b 0124 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2fff 0100 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0702
0001 0000 0000 0031 4335 3658 0000 0000 504d 4400 564e 5900 2020 2020 2020 2020
2020 0000 454a 4136 3331 0000 0000 0039 3135 0000 0000 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
01:04:38.600 Delete Track Msg 1704 0008 001a 0310

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:04:38.370	4	7.22	467	41	1			91.58		165.80	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 2de2 16e5 2973 039c 074c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	29.59	451	40	3				109.75		179.06	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 2de2 1b70 2cc4 0ecc 070c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	7.22	490	43	1			91.70	165.58	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 2de2 16ed 2965 039c 07a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	7.41	518	46	2			92.03	165.42	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:38.710	Radar Report Msg	0b01 001c 003b 2e5a 1702 295b 03b4 0818 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:39.050	6	2	1274		-4	+11			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+37.55	+17.90	64	41.54	733 64	41.58	126.61	169.64	11	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	SLID WINDOW
339	-770	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:39.050	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e7eb ffff e3e1 003b 2f09 fbf7 0000 12c6 08f3 0000 0000

ffb6 00cb 0000 2dda 2995 02bc 2de0 2998 003b 1fa7 2a69 00d8 0006 0000 0000 1213
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:04:38.740	7	3.59	715	63	1			88.89	162.53	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 2f36 1639 28a2 01cc 0b2c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	2.00	689	61	0				86.89	162.13	0		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 2f36 15b9 2888 0100 0ac4 0200 0000 0000 0303 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X	NM	SYSTEM Y	NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	3.69	695	61	4			88.97	162.64	4				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 2f36 163e 28a9 01d8 0adc 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X	NM	SYSTEM Y	NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	3.91	775	68	2			89.28	162.28	2				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:39.050	Radar Report Msg	0b01 001c 003b 2fa4 1652 2892 01f4 0c1c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X	NM	SYSTEM Y	NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	4.03	731	64	7			89.39	162.55	7				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 2fa4 1659 28a3 0204 0b6c 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X	NM	SYSTEM Y	NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:04:39.040	9	57.91	940	83	4		143.16	154.48	4				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:39.270 Radar Report Msg 0b01 001c 003b 3076 23ca 269f 1cf4 0eb0 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
5.31	973	86	2				90.73	160.94	2			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 3076 16af 283c 02a8 0f34 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
5.03	1098	97	1				90.20	160.11	1			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:39.490	Radar Report Msg	0b01 001c 003b 30f8 168d 2807 0284 1128 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	2.91	1123	99	0				87.97		160.88	0		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 30f8 15fe 2838 0174 118c 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	2.91	1147	101	0				87.94		160.80	0		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 30f8 15fc 2833 0174 11ec 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	41.03	1155	102	1				122.55		143.75	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 30f8 1ea3 23f0 1484 120c 0201 0100 0002 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	7.72	1172	103	2				92.44		158.33	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 30f8 171c 2795 03dc 1250 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
5.97	1203	106	1						90.72	158.92	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 30f8 16ae 27bb 02fc 12cc 0201 0100 0002 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
6.06	1178	104	2						90.91	159.08	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 30f8 16ba 27c5 0308 1268 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:39.590	527		2	4676	+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+24.07	-26.30	137	35.61	1564 138	35.65	102.34	130.28	92	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1929	+1800	+0	+1929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:39.590	Active Track Maintenance Msg	1700 0058 0000 3c4a 0000 3c4a 0000 0000 0000 0000 fbf7 0000 0c09 f2da 0000 0000 0000 0000 0000 61cc 23a6 09be 61cc 23a6 0000 1996 2092 0692 020f 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:04:39.590	Delete Track Msg	1704 0008 017d 0310

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:39.590	248		2	0772	-241	-84			RADAR-ONLY: NO

FIRMNESS: 33

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
+57.89	-1.42	91	57.89	1040 91	57.90	141.34	145.81	255	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
250	+16029	+15900	+15900	+15900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:39.590	Active Track Maintenance Msg	1700 0058 0001 f0e0 0001 f4ea 0001 f0e0 003b 3062 fbf7 0000 1cf2 ff4a 0000 0000
		eed0 fa03 0000 410d 39e6 01fa 4100 39e8 0000 2356 2474 1233 00f8 0000 0000 0000
		091f 2100 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:39.590	523	2	0646	-224	-91				RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
+39.00	-1.86	92	39.04	1054	93	39.04	122.97	150.19	242
									VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
247	+12429	+12300	+12306	+12247	-12	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 7ebf 0001 846a 0001 8095 003b 3072 fbf7 ff9b 1380 ff12 0000 0000
f00b f97d 0000 41e0 2709 01a6 41f0 270c a00c 1ebe 258c 113c 020b 0000 0000 bba8
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:39.590 59 2 +264 +415 RADAR-ONLY: NO
FIRMNESS: 13
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: NO
+41.86 +30.24 54 51.57 616 54 51.65 133.75 180.42 492 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
32 CST CST +26983 +27042 +12 +0 00011

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0003 4d17 0003 4bc0 0003 4b3b 003b 1bfa 0000 0067 14ee 0f1f 0000 0000
12d6 1d89 0000 2681 33a6 0e90 26b0 3310 0000 2170 2d1b 2308 003b 0000 0000 0000
0403 0d00 0203 1001 0303 0000 0000 0001 0100 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: DEP
01:04:39.600 394 N121NA 2 1320 1320 1V -129 +16 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+17.26 -3.07 100 17.52 1138 100 17.54 101.66 154.50 130 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
277	+5929	+5800	+5817	+5817	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:39.600	Active Track Maintenance Msg	1700 0058 0000 b5ce 0000 b94a 0000 b5ce 003b 30d1 fbf7 0000 08a1 fe77 0000 0000 f6c3 012b 0000 472c 118a 02d0 4730 1188 0000 196a 26a0 0950 018a 0000 0000 0000 041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 02d0 0005 003c 003c 003c 0000 023d 0000
0000 0000 0000 0000 0000 0024 0003 0000 0000 0000 02db 0000 001a 015e 018a 0099
018b 0027 0000 0113 0248 0168 0000 0000 0000 0000 0000 0000 0000 020e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 a4ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5041 3434 0000 0000 5241 4c00 5344 3800 2020 2020 2020 2020
2020 0000 4e31 3231 4e41 0000 0000 0036 3932 0000 0056 0000 0000 0020 0000 0046
3036 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:39.600 519 2 1631 -157 -98 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+50.32 -10.66 102 51.42 1159 102 51.43 131.72 138.80 185 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
237 +8029 +7900 +7900 +7900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 f6e0 0000 faea 0000 f6e0 003b 30e9 fbf7 0000 1929 faac 0000 0000

f4d2 f8f6 0000 4877 336d 0399 4880 3370 a015 20ee 22b3 0d36 0207 0000 0000 00d1
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:39.600	298	2		0771		-208	-89		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+26.20	-6.95	104	27.09	1193 105	27.13	109.33	148.50	226	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
246	+8929	+8800	+8831	+8764	-14	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 11e5 0001 170a 0001 13fb 003b 310e fbf7 ff8c 0d1a fc87 0000 0000
		f12c f9a9 0000 4a91 1b21 01f9 4a90 1b1c 0b01 1b55 2520 1020 012a 0000 0000 048c
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:39.360	11	7.63	1170	103	4		92.38		158.39	4				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:39.600	Radar Report Msg	0b01 001c 003b 3148 1718 2799 03d0 1248 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		6.34	1233	108	3		90.91		158.48	3				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 315c 16ba 279f 032c 1344 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		11.03	1250	110	7		94.75		155.64	7				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:39.610	Radar Report Msg	0b01 001c 003b 3170 17b0 26e9 0584 1388 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		5.44	1242	109	1		90.08		158.94	1				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg	0b01 001c 003b 3170 1685 27bc 02b8 1368 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
6.31	1255	110	2						90.77	158.34	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 3170 16b1 2796 0328 139c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
52.34	1211	106	1						130.55	134.81	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 3170 20a3 21b4 1a2c 12ec 0201 0100 0002 0000 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	48.34	1243	109	4			125.84	134.88	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 3170 1f76 21b8 182c 136c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	22.34	1301	114	7			103.08	147.81	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 3170 19c5 24f4 0b2c 1454 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.03	1363	120	3			89.16	158.50	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:39.630	Radar Report Msg	0b01 001c 003b 31c0 164a 27a0 0284 154c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	40.34	1290	113	4			117.50	137.00	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 31c0 1d60 2240 142c 1428 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	15.69	1379	121	3			96.63		150.64		3		RT		2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:39.640	Radar Report Msg	0b01 001c 003b 31de 1828 25a9 07d8 158c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	41.59	1421	125	5			112.70		130.20		5		RT		2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 31de 1c2d 208d 14cc 1634 0205 0500 0005 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:39.710	245	2	5266		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+44.88	-6.72	98	45.37	1120 99	45.38	127.44	143.91	149	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+4229	+4100	+0	+4229	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:39.710	Active Track Maintenance Msg	1700 0058 0000 842a 0000 842a 0000 0000 0000 0000 fbf7 0000 1670 fca4 0000 0000
		0000 0000 0000 460e 2d60 0ab6 460e 2d60 0000 1fdc 23fa 0aa1 00f5 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:39.710	451	2	3220		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+4.38	-15.15	163	15.74	1864 164	15.77	86.16	146.08	142	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+729	+600	+0	+729	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 16ca 0000 16ca 0000 0000 0000 0000 fbf7 0000 0231 f86d 0000 0000
0000 0000 0000 7486 0fc5 0690 7486 0fc5 0000 158a 2485 0a24 01c3 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:39.810	339	2	2201		-170	-79			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
+46.87	-13.75	106	48.79	1208 106	48.78	127.59	136.69	188	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
245	+8029	+7900	+7886	+7880	-1	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:04:39.810 Active Track Maintenance Msg 1700 0058 0000 f643 0000 faea 0000 f675 003b 3121 fbf7 fff6 176f f920 0000 0000
f3e1 fa53 0000 4b8d 30c8 0481 4ba0 30d8 0e2a 1fe6 222c 0d62 0153 0000 0000 0000
071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:39.810 389 2 1654 -164 +87 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 7
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+40.70 -13.99 109 43.01 1240 109 43.05 121.58 138.00 186 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
298 +6429 +6300 +6308 +6212 -20 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 c222 0000 c8ea 0000 c520 003b 3143 fbf7 ff5a 145a f901 0000 0000
f448 063c 0000 4d80 2b0d 03ac 4d80 2b0c 0000 1e65 2280 0d46 0185 0000 0000 3240
071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:39.810 590 2 4624 -16 -105 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 7
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+33.75 -16.27 115 37.46 1317 116 37.45 114.28 137.55 107 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
188	+2929	+2800	+2801	+2795	-1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 5759 0000 5b8a 0000 578c 003b 3199 fbf7 fff6 10e0 f7dd 0000 0000 fed3 f87b 0000 5253 2573 0994 5250 2578 0000 1c92 2263 079d 024e 0000 0000 0123 071f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:39.810 207 N8451R 2 4647 4647 1X -108 +8 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+5.30 -2.71 117 5.89 1334 117 5.95 90.16 157.91 108 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
274 +6029 +5900 +5900 +5900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 b860 0000 bc6a 0000 b860 003b 31ab fbf7 0000 02a6 fea5 0000 0000
f850 0094 0000 5367 05f4 09a7 5350 05f4 a014 168a 277a 07b5 00cf 0000 0000 5be0
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09a7 0015 003c 003c 003c 0028 0068 0000
0000 0000 0000 0000 0000 0026 0001 0000 0000 0000 00b0 0000 0037 00e1 00cf 0041
0000 0044 0000 01bb 0036 00bd 0000 0000 0000 0000 0000 0000 0000 020c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5032 3841 0000 0000 504f 4300 5656 5600 2020 2020 2020 2020
2020 0000 4e38 3435 3152 0000 0000 0036 3633 0000 0058 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:39.470	12	4.19	1529	134	4		87.75		158.52	4				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:39.820	Radar Report Msg	0b01 001c 003b 329c 15f0 27a1 0218 17e4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		10.78	1498	132	3		91.67		152.97	3				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 329c 16eb 263e 0564 1768 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	17.97	1523	134	3				95.11		146.58	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 329c 17c7 24a5 08fc 17cc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	24.19	1533	135	5				98.05		141.06	5		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 329c 1883 2344 0c18 17f4 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	24.03	1561	137	7				97.06		140.69	7		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 329c 1844 232c 0c04 1864 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
01:04:39.690	13	28.59	1603	141	7			97.56		135.84	7		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:39.930 Radar Report Msg 0b01 001c 003b 330a 1864 21f6 0e4c 190c 0207 0700 0003 0302 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:40.030	424	2	4603		-243	-234			RADAR-ONLY: NO

FIRMNESS: 24

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+49.95	+7.88	81	50.55	921 81	50.55	135.97	156.81	338	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
226	+19200	+19200	+19196	+18955	-51	+0	01111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:40.030	Active Track Maintenance Msg	1700 0058 0002 505c 0002 5800 0002 57e6 003b 2fdd 0000 fe61 18f9 03f0 0000 0000
		eeb5 ef4c 0001 399b 328c 0983 39a0 3290 0000 21fe 2734 180a 01a8 0000 0000 0000
		050f 1800 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:40.150	Delete Track Msg	1704 0008 0068 0110

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:39.930	15	3.97	1715	151	1				86.67		158.33	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 33f0 15ab 2795 01fc 1acc 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.03	1763	155	1					86.63		157.16	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 33f0 15a8 274a 0284 1b8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.09	1786	157	2					86.31		158.11	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:40.150	Radar Report Msg	0b01 001c 003b 33fa 1594 2787 020c 1be8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS

23.09	1816	160	5		88.06	138.92	5		RT	2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 3404 1604 22bb 0b8c 1c60 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
4.06	1819	160	3			86.13	158.13	3				RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 3404 1588 2788 0208 1c6c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
4.13	1811	159	2			86.17	158.06	2				RT	2				

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 3404 158b 2784 0210 1c4c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	4.09	1858	163	2						85.89	158.08	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 3404 1579 2785 020c 1d08 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:40.250	319	2	4725	+57	+13				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+0.42	-0.30	123	0.45	1305 115	0.64	86.11	161.45	59	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
77	+729	+600	+612	+661	+10	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:40.250	Active Track Maintenance Msg	1700 0058 0000 14af 0000 16ca 0000 1324 003b 320f fbf7 0056 0036 ffda 0000 0000
		041b 00f4 0000 519c 00a4 09d5 58e0 0084 0000 1587 285d 0437 013f 0000 0000 0000
		051f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED:

NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:40.250 155 2 3275 +95 +169 RADAR-ONLY: NO
FIRMNESS: 37
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+28.73 -20.43 125 35.18 1425 125 35.24 108.38 134.81 194 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
29 +5029 +4900 +4900 +4900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 9920 0000 9d2a 0000 9920 003b 3215 fbf7 0000 0e5d f5c9 0000 0000 06c7 0c06 0000 591a 233d 06bd 5930 2340 a015 1b18 21b4 0dcd 009b 0000 0000 3f44 0a1f 2500 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:40.250	329	2	4657		-136	+184			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+22.45	-22.51	135	31.77	1537 135	31.79	101.77	134.39	229	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
323	+7029	+6900	+6900	+6900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 d7a0 0000 dbaa 0000 d7a0 003b 3291 fbf7 0000 0b3a f4bf 0000 0000 f64e 0d25 0000 6016 1fcb 09af 6010 1fcc 0000 1971 2199 1055 0149 0000 0000 00de 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:40.250	278	2	4613		+245	+54			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+20.82	-20.56	134	29.25	1531 135	29.27	100.69	136.69	251	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
77	+6029	+5900	+5899	+5899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 b859 0000 bc6a 0000 b85a 003b 328b fbf7 0000 0a69 f5b8 0000 0000
1171 03e2 0000 5fbc 1d44 098b 5fc0 1d44 a015 192c 222c 11de 0116 0000 0000 236c
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:40.250	437		2	1200	+0	-80			RADAR-ONLY: NO

FIRMNESS: 27

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
+11.62	-1.53	97	11.66	1109 98	11.71	96.61	157.41	80	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
179	+1729	+1600	+1600	+1600	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 3200 0000 360a 0000 3200 003b 30b0 fbf7 0000 05cf ff3c 0000 0000
		000c fa46 0000 4559 0bb6 0280 4560 0bb8 1058 1827 275a 05ba 01b5 0000 0000 0000
		071f 1b00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:40.250	561	2	4745		-157	+108			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+14.66	-15.92	137	21.58	1562	137 21.64	95.91	142.73	191	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
304	+4629	+4500	+4492	+4436	-9	+1	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:40.250	Active Track Maintenance Msg	1700 0058 0000 8aa1 0000 90aa 0000 8c67 003b 32ae fbf7 ffb1 0754 f80a 0000 0000
		f4c5 07bc 0008 61a9 15a3 09e5 61b0 15a4 0000 17fa 23af 0da3 0231 0000 0000 000c
		041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:40.250	55	2	7230		-218	-84			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+11.71	-12.34	136	16.97	1553	137 17.02	93.97	146.94	234	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
248	+3429	+3300	+3315	+3232	-18	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 6505 0000 6b2a 0000 679f 003b 32a3 fbf7 ff70 05db f9d5 0000 0000 f070 f9f9 0000 6117 1104 0e98 6110 1104 a010 177e 24bc 10b1 0037 0000 0000 20a8 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:40.250	98	2	3253		-144	-117			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID
+7.96	-12.88	148	15.13	1687 148	15.24	90.20	147.38	186	ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

FIRMNESS: 4

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
231	+3229	+3100	+3082	+2952	-22	+2	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 5c46 0000 64ea 0000 6057 003b 3339 fbf7 ff4c 03fb f990 0000 0000
		f5b2 f7a9 0013 6971 0f3d 06ab 6970 0f24 0000 168d 24d8 0d42 0062 0000 0000 0000
		041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:40.250	7	2	1275		+5	+7			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID
+41.67	-14.41	109	44.04	1241 109	44.10	122.39	137.38	9	ALTITUDE: NO

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

FIRMNESS: 0

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
34	+0	+0	+0	+0	+0		00000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 0000 0000 0000 0000 0000 003b 3144 0000 0000 14d6 f8cc 0000 0000
005f 008a 0000 4d94 2c1a 02bd 4d90 2c18 0000 1e99 2258 00a8 0007 0000 0000 0000
0000 2600 0203 1000 0300 0100 0000 0001 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.25	1884	166	4			85.73		156.84	4		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:40.260	Radar Report Msg	0b01 001c 003b 3454 156f 2736 02a0 1d70 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	4.53	1876	165	1			85.80		157.61	1		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 3454 1573 2767 0244 1d50 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	6.41	1887	166	4				85.70		155.64	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 3454 156d 26e9 0334 1d7c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	14.16	1843	162	3				86.58		147.80	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 3454 15a5 24f3 0714 1ccc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	6.53	1883	165	1				85.75		155.52	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 3454 1570 26e1 0344 1d6c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	10.00	1890	166	5				85.63		151.97	5		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg	0b01 001c 003b 3454 1568 25fe 0500 1d88 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	4.16	2003	176	1			85.05		158.08	1		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 345e 1543 2785 0214 1f4c 0201 0100 0001 0000 1d00 0000

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:40.380	328		2	6655		+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+18.12	-21.18	139	27.79	1586 139	27.87	97.89	136.75	138	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+729	+600	+0	+729	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:40.380	Active Track Maintenance Msg	1700 0058 0000 16ca 0000 16ca 0000 0000 0000 0000 fbf7 0000 090f f569 0000 0000
		0000 0000 0000 632b 1bdf 0dad 632b 1bdf 0000 1879 2230 09d3 0148 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:40.380	321		2	4665		+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+43.23	-3.47	94	43.32	1076 95	43.36	126.67	147.47	147	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2229	+2100	+0	+2229	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 45aa 0000 45aa 0000 0000 0000 0000 fbf7 0000 159d fe44 0000 0000
0000 0000 0000 4343 2b5d 09b5 4343 2b5d 0000 1fab 24de 0a7c 0141 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:40.470	176	2	4772		+155	+42			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+5.98	-9.75	148	11.41	1687 148	11.42	89.09	150.91	161	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
75	+3929	+3800	+3805	+3743	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:40.470	Active Track Maintenance Msg	1700 0058 0000 74fb 0000 7aca 0000 76ec 003b 333c fbf7 ff95 02fe fb20 0000 0000 0b13 02fd 0000 697b 0b6c 09fa 6990 0b70 07cc 1646 25ba 0b78 00b0 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:40.470	160	2	4645		+256	+273			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
+6.50	-10.16	147	12.03	1679 148	12.09	89.41	150.64	374	INHIBIT MSAW PROCESS: INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
43	+16429	+16300	+16340	+16512	+36	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 0407 0002 016a 0001 fea7 003b 332e fbf7 0127 0340 faec 0000 0000 123b 1375 ffff 68f4 0c16 09a5 68d0 0c10 0746 165a 25a9 1aaa 00a0 0000 0000 0000 081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:40.140	16	5.31	2091	184	4		84.16	157.03	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:40.480	Radar Report Msg	0b01 001c 003b 3526 150a 2742 02a8 20ac 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:40.690	530	2	4643		-270	+184			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+18.49	-41.03	155	44.95	1772 156	45.03	93.25	117.58	327	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
304	+20000	+20000	+20000	+20000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:40.690	Active Track Maintenance Msg	1700 0058 0002 7100 0002 7100 0002 7100 003b 3399 0000 0000 093f eb7c 0000 0000 ecc2 0d1c 0000 6ecd 2d07 09a3 6ec0 2d04 5858 1750 1d65 1748 0212 0000 0000 0584 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:40.690 310 2 1051 +448 +106 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+12.27 -30.56 158 32.93 1799 158 32.93 89.88 129.39 461 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
76 +23600 +23600 +23629 +23794 +35 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0002 e790 0002 e180 0002 e26d 003b 33b7 0000 011c 0623 f0b8 0000 0000
1fe6 079b 0000 7075 20ef 0229 7070 20f0 07a0 1678 2059 20cb 0136 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:40.690 406 2 4622 -156 -10 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+9.47 -21.99 156 23.88 1782 157 23.95 89.36 138.17 156 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
266 +4029 +3900 +3882 +3882 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 7950 0000 7dea 0000 7950 003b 33a5 fbf7 0000 04bc f501 0000 0000
f4e4 ff41 0000 6f6d 17f3 0992 6f70 17f4 0000 1657 228b 0b22 0196 0000 0000 34c8
041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:40.690	580	2	4614		-53	+64			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
-0.88	-17.43	182	17.39	2080 183	17.46	80.50	145.22	83	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
320	+5029	+4900	+4908	+4942	+7	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:40.690	Active Track Maintenance Msg	1700 0058 0000 9a75 0000 9d2a 0000 9963 003b 34f5 fbf7 003c ff8f f749 0000 0000
		fc33 048f 0000 8201 1176 098c 7fff 1174 2a10 1420 244e 05ef 0244 0000 0000 0000
		051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:40.690	49	2	6311	+359	+26				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: YES
-5.88	-44.88	187	45.26	2131 187	45.29	68.72	119.95	359	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
85	+9629	+9500	+9450	+9350	-21	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 2430 0001 2cea 0001 2750 003b 352f fbf7 ff53 fd0f e990 0000 0000
		1988 01e3 0000 8535 2d4b 0cc9 7fff 2d44 0006 112e 1dfd 1999 0031 0000 0000 14ec
		031f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:40.690	555	2	3507	+84	+180				RADAR-ONLY: NO

FIRMNESS: 24

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+25.52	-26.00	135	36.41	1543 136	36.41	103.88	130.23	199	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
25	+5029	+4900	+4900	+4900	+0	+0	01111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 9920 0000 9d2a 0000 9920 003b 3296 fbf7 0000 0cc3 f300 0000 0000 0602 0cd8 0000 607e 246a 0747 6060 2470 182e 19f8 208f 0e2e 022b 0000 0000 0300 060f 1800 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:40.370	18	13.59	2186	192	6		79.69		149.80	6			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:40.690	Radar Report Msg	0b01 001c 003b 35a8 13ec 2573 06cc 2228 0206 0600 0004 0302 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	4.44	2219	195	1				83.72		158.25	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:40.700	Radar Report Msg	0b01 001c 003b 35b2 14ee 2790 0238 22ac 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	4.47	2243	197	3				83.58		158.30	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 35b2 14e5 2793 023c 230c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	11.41	2291	201	3				79.13		152.70	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:40.710	Radar Report Msg	0b01 001c 003b 3616 13c8 262d 05b4 23cc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	25.03	2323	204	3				70.11		142.39	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 3616 1187 2399 0c84 244c 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:40.910	532	2	7234		-69	-211			RADAR-ONLY: NO

FIRMNESS: 30

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
-2.45	-17.99	187	18.10	2137 188	18.11	78.86	145.06	222	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
198	+3329	+3200	+3167	+3358	+41	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:40.910	Active Track Maintenance Msg	1700 0058 0000 68f5 0000 680a 0000 62ff 003b 3533 fbf7 014e fec7 f701 0000 0000
		fb11 f0fc 0001 859f 121c 0e9c 7fff 1228 2a44 13b7 2444 0fce 0214 0000 0000 0000
		081f 1e00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:40.910	449		2	7242	-317	+150			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-4.62	-31.77	188	32.07	2142 188	32.11	73.44	132.69	351	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
295	+33000	+33000	+32996	+32994	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 0715 0004 0740 0004 0724 003b 3539 0000 fffe fdb1 f01d 0000 0000
		e96f 0abc 0000 85e5 201b 0ea2 7fff 201c 5858 125c 212c 18fd 01c1 0000 0000 0034
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:40.910	219		2	1060	-396	-123			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-4.69	-19.21	193	19.75	2204 194	19.79	76.77	145.17	414	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
252	+35000	+35000	+34994	+34992	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0004 4585 0004 45c0 0004 4593 003b 357f 0000 fffe fda8 f665 0000 0000
e3d7 f731 0000 89c8 13cb 0230 7fff 13c8 1807 1331 244b 1d81 00db 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:40.680	20	7.47	2499	220	1		79.84		157.58	1			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:40.930	Radar Report Msg	0b01 001c 003b 36f2 13f6 2765 03bc 270c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		5.56	2506	220	1		81.41		158.78	1			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 36f2 145a 27b2 02c8 2728 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
5.56	2531	222	1			81.30	158.95	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 36f2 1453 27bd 02c8 278c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
5.97	2581	227	4			80.72	159.09	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 36f2 142e 27c6 02fc 2854 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:41.030	379	2	6312	+254	+8				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-2.91	-12.47	193	12.76	2196 193	12.81	79.83	150.55	255	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
88	+7229	+7100	+7117	+6882	-56	-2	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:41.030	Active Track Maintenance Msg	1700 0058 0000 d713 0000 e1ea 0000 de6a 003b 3577 fbf7 fe3c fe8c f9c4 0000 0000

1222 009e ffed 894c 0cd0 0cca 7fff 0cd0 0000 13f5 25a3 1225 017b 0000 0000 0000
041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:41.030	361	2		1022			-161	-218	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
-5.90	-19.02	197	19.89	2248 198	19.82	75.27	144.97	271	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
216	+5929	+5800	+5784	+6145	+78	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 c008 0000 b94a 0000 b4c3 003b 35ac fbf7 0274 fd0d f67e 0000 0000
		f48a f07f 0001 8c87 13d3 0212 7fff 13e8 0000 12d1 243e 1347 0169 0000 0000 0000
		081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:41.030	173	2	6307		+527	-212			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-5.55	-14.95	200	15.91	2281 201	15.96	77.13	149.53	568	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
112	+33000	+33000	+33000	+33000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 0740 0004 0740 0004 0740 003b 35d5 0000 0000 fd39 f886 0000 0000
		2582 f0e9 0000 8e96 0ff6 0cc7 7fff 0ff4 0000 1348 2562 286e 00ad 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:04:41.140	Delete Track Msg	1704 0008 0157 0510

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:41.150	8	2	1273		-1	+13			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-37.78	-33.20	228	50.26	2601 229	50.25	40.83	139.30	13	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
353	-899	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:41.150	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e3e1 ffff e3e1 003b 373f 0000 0000 ed1c ef67 0000 0000 ffe1 00f7 0000 a297 3241 02bb 7fff 324c 403a 0a35 22d3 00f9 0008 0000 0000 001c 0a1f 2603 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:41.150	586	2	4673	+313	-9				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-13.53	-12.15	228	18.14	2593 228	18.16	69.67	153.55	313	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
91	+10029	+9900	+9904	+9906	+0	+0	11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 3595 0001 396a 0001 3586 003b 3737 fbf7 0003 f93c f9ed 0000 0000 164a ff5a 0000 a21c 1228 09bb 7fff 1230 0001 116b 2663 164d 024a 0000 0000 277a 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:04:40.920	22	7.22	2650	233	1		79.27	159.16	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:41.150	Radar Report Msg	0b01 001c 003b 3774 13d1 27ca 039c 2968 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
		6.63	2634	232	2		79.89	159.23	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:41.160	Radar Report Msg	0b01 001c 003b 37d8 13f9 27cf 0350 2928 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
		8.69	2650	233	1		77.88	158.58	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 37d8 1378 27a5 0458 2968 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	6.78	2638	232	4			79.73	159.22	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 37d8 13ef 27ce 0364 2938 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	8.03	2659	234	1			78.45	158.94	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 37d8 139d 27bc 0404 298c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.38	2714	239	2			81.88	160.66	2			RT	2		

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 37d8 1478 282a 0230 2a68 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	9.66	2739	241	1					76.56	159.44	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 37d8 1324 27dc 04d4 2acc 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	8.75	2748	242	4					77.42	159.78	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:41.170	Radar Report Msg	0b01 001c 003b 37e2 135b 27f2 0460 2af0 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	24.72	2762	243	3					61.70	156.47	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 37e2 0f6d 271e 0c5c 2b28 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS

15.75 2746 241 2 70.56 158.05 2 RT 2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 37e2 11a4 2783 07e0 2ae8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
15.75	2772	244	5				70.42	158.66	5		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 37e2 119b 27aa 07e0 2b50 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
2.00	2797	246	5				84.61	161.64	5		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 37e2 1527 2869 0100 2bb4 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:41.260	275	2	0257		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0
+35.55	+0.85	88	35.51	1008	89	35.56	120.36	153.61	156

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1729	+1600	+0	+1729	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:41.260	Active Track Maintenance Msg	1700 0058 0000 360a 0000 360a 0000 0000 0000 0000 fbf7 0000 11c7 006d 0000 0000
		0000 0000 0000 3f06 2390 00af 3f06 2390 0000 1e17 2667 0b25 0113 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:41.020	23	15.13	2861	251	4		70.77	160.81	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:41.260	Radar Report Msg	0b01 001c 003b 3832 11b1 2834 0790 2cb4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS

| | | |

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 3832 12dd 2804 054c 2ba8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X NM	Y NM	STAT					
	12.00	2835	249	3				73.95	160.56	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 3832 127d 2824 0600 2c4c 0203 0300 0001 0203 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:41.580	304	2	7342	-322	+158				RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-32.84	-18.20	241	37.52	2742 241	37.53	49.81	152.66	359	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	Z FT/SEC/SEC	ALT SLID WINDOW
296	+35000	+35000	+35000	+35000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:41.580	Active Track Maintenance Msg	1700 0058 0004 45c0 0004 45c0 0004 45c0 003b 37dc 0000 0000 ef95 f6e7 0000 0000
		e90b 0b44 0000 ab67 2587 0ee2 7fff 258c 0000 0c74 262a 1993 0130 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED:

NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:41.580 545 2 4706 -144 -41 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-24.87 -6.43 255 25.62 2906 255 25.70 60.09 161.92 150 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
254 +4029 +3900 +3900 +3900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 79e0 0000 7dea 0000 79e0 003b 3896 fbf7 0000 f391 fcc9 0000 0000 f5b1 fd10 0000 b5ab 19b4 09c6 7fff 19b0 1be0 0f06 287b 0ab9 0221 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X	SYSTEM NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
01:04:41.250	24	15.53	2999	264	4				70.48		164.05		4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:41.600	Radar Report Msg	0b01 001c 003b 397c 119f 2903 07c4 2edc 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	12.91	3140	276	1					73.78	166.34	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 397c 1272 2996 0674 3110 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:41.700	87	CPF420	2	4664	4664	1X	+113	-45	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7
-3.56	-1.01	254	3.70	2892 254	3.71	82.14	161.77	122	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	SLID WINDOW
112	+5029	+4900	+4895	+4889	-1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:41.700	Active Track Maintenance Msg	1700 0058 0000 98cd 0000 9d2a 0000 98ff 003b 3885 fbf7 fff6 fe38 ff7f 0000 0000
		0819 fcbb 0000 b4c1 03b5 09b4 7fff 03b4 15d4 1489 2871 08bc 0057 0000 0000 0000
		071f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
		0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

0000 0000 0000 0000 0000 0000 0000 0000 09b4 0015 0032 0032 0032 003c 017c 0000
0000 0000 0000 0000 0000 0001 0026 0000 0000 0000 00ed 0000 01b0 009b 0057 0201
0000 016b 0000 0010 0184 0185 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2eff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 4332 3036 0000 0000 5748 5000 544f 4100 2020 2020 2020 2020
2020 0000 4350 4634 3230 0000 0000 0035 3634 0000 0058 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:41.700 591 N31F 2 0260 0260 1Y +40 +78 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-7.15 -1.88 255 7.37 2904 255 7.39 78.39 161.83 87 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: YES
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
27 +1929 +1800 +1793 +1793 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 380e 0000 3c4a 0000 380d 003b 3893 fbf7 0000 fc6d ff10 0000 0000
02de 058c 0000 b583 0763 00b0 7fff 0764 0001 1399 2875 063e 024f 0000 0000 0100
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 00b0 008a 0104 ffff ffff 003d 000e 0000
0000 0000 0000 0000 0000 008a 008a 0000 0000 0000 0000 0000 00c9 00d5 024f 015c
0000 00b1 0000 013a 00d7 00d5 0000 0000 0000 0000 0000 0000 0000 0448 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0004 2020 2fff 0000 0000 0000 0000 0000 0000 0000 0000 0001 0702
0001 0000 0000 0043 0000 0000 0000 0000 0000 0000 564e 5900 2020 2020 2020 2020
2020 0000 4e33 3146 0000 0000 0000 0000 0000 0000 0059 0000 0000 0020 564e 5900
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: OVR
01:04:41.700 274 N8063T 2 4763 4763 1V +125 +32 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 7
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-15.91 -2.91 259 16.13 2954 260 16.18 69.69 163.05 129 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
75 +7029 +6900 +6905 +6912 +1 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 d805 0000 dbaa 0000 d7c8 003b 38cb fbf7 000d f80c fe8c 0000 0000
08e9 0258 0000 b8ab 102f 09f3 7fff 102c 1d00 116c 28c3 0937 0112 0000 0000 2288
071f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09f3 0005 0032 ffff 0032 002c 022a 0000
		0000 0000 0000 01b8 0000 0003 0015 0000 0000 0000 00ae 0000 0070 0245 0112 00cb
		0000 002d 0000 0194 0133 0144 0000 0000 0000 0000 0000 0000 0000 042f ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
		0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 00ff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
		0001 0000 0000 0036 5041 3332 0000 0000 4f58 5200 4844 4600 2020 2020 2020 2020
		2020 0000 4e38 3036 3354 0000 0000 0030 3030 0000 0056 0000 0000 0020 0000 0000
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:41.490	26	13.72	3119	274	4				72.88		166.22	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:41.700	Radar Report Msg	0b01 001c 003b 39f4 1238 298e 06dc 30bc 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	13.09	3140	276	1					73.61		166.41	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 39f4 1267 299a 068c 3110 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X NM	Y NM	STAT					
	13.31	3135	276	2			73.38	166.39	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 39f4 1258 2999 06a8 30fc 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X NM	Y NM	STAT					
	10.13	3235	284	1			77.03	166.67	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:41.700	Radar Report Msg	0b01 001c 003b 39fe 1342 29ab 0510 328c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	13.91	3284	289	4			74.23	169.42	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 3a08 128f 2a5b 06f4 3350 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:41.800	475	N6887L	2	4714	4714	1V	+183	+10	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8
-16.89	-1.22	266	16.91	3024 266	16.94	69.14	164.94	183	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
86	+5029	+4900	+4902	+4909	+1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:41.800	Active Track Maintenance Msg	1700 0058 0000 9969 0000 9d2a 0000 9937 003b 391b fbf7 000b f78e ff64 0000 0000
		0d05 00be 0000 bd0e 10f0 09cc 7fff 10f0 0125 1149 293c 0d0a 01db 0000 0000 0517
		081f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0004 0000 0000 0000 0000 0000 0000
		0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 2000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09cc 0005 0000 ffff 0032 0038 0253 0000
		0000 0000 0000 00f3 0000 0003 0015 0000 0000 0000 00f2 0000 0014 0138 01db 00c3
		0000 01aa 0000 0062 0054 01c9 0000 0000 0000 0000 0000 0000 0000 025c ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 1dff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0036 4334 3231 0000 0000 4f58 5200 4343 4200 2020 2020 2020 2020
2020 0000 4e36 3838 374c 0000 0000 0037 3937 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:41.800	297	2	1056		-10	+94			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-41.28	-1.14	268	41.26	3053 268	41.29	45.58	171.19	94	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
353	+6529	+6400	+6403	+6461	+12	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 c9ef 0000 cc0a 0000 c819 003b 393b fbf7 0066 eb5c ff6e 0000 0000
ff43 06b5 0000 bedf 294b 022e 7fff 294c 0000 0b65 2acc 06bf 0129 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:41.800 362 2 0006 +214 -357 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 9
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-24.49 -2.03 265 24.52 3017 265 24.56 61.67 166.06 417 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
149 +14529 +14400 +14376 +14170 -44 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 bad4 0001 c60a 0001 c140 003b 3913 fbf7 fe9e f3c1 fefc 0000 0000
0f3e e68c 0001 bc95 1890 0006 7fff 1894 0000 0f6b 2984 1dab 016a 0000 0000 0000
091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:41.800 84 N774CS 2 3376 3376 1W +159 -154 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-20.13 +3.58 280 20.44 3188 280 20.46 67.25 170.39 222 INHIBIT MSAW PROCESS: YES
INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
134	+9529	+9400	+9399	+9347	-11	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 241c 0001 29ca 0001 25ba 003b 39d1 fbf7 ffa7 f5ef 01ca 0000 0000 0b51 f4fb 0000 c742 1475 06fe 7fff 1474 0000 10d0 2a99 0fcc 0054 0000 0000 0000 041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 06fe 0003 012c ffff f830 0037 01ab 0000
0000 0000 0000 015e 0000 0007 002e 0000 0000 0000 00a9 0000 0215 0249 0054 0250
0000 0149 0000 0213 0091 014a 0000 0000 0000 0000 0000 0000 0000 03cb ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2056 2eff 0000 0000 0000 0000 0000 0101 0003 0000 0001 0001 0502
0001 0000 0000 0043 4332 3130 0000 0000 5341 3900 544f 4100 2020 2020 2020 2020
2020 0000 4e37 3734 4353 0000 0000 0036 3032 0000 0057 0000 0000 0020 0000 004f
4646 5620 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:41.800 9 2 1275 -1 +4 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-12.52 -11.00 228 16.65 2602 229 16.65 70.88 154.38 4 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
339 -470 -599 -599 -599 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 ffff ed41 ffff f14b ffff ed41 003b 373f fbf7 0000 f9bd fa80 0000 0000

ffe2 004f 0000 a2a2 10a6 02bd 7fff 10ac 0000 11b8 2698 0054 0009 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	10.13	3258	286	1			77.20		166.98		1		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:41.800	Radar Report Msg	0b01 001c 003b 3a76 134d 29bf 0510 32e8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	14.09	3291	289	1			74.16		169.64		1		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 3a76 128a 2a69 070c 336c 0201 0100 0001 0000 1d00 0000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:42.150	Delete Track Msg	1704 0008 0149 0510

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:42.150	194	DDA77	2	4043	4043	1M	+332	-316	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6
-39.77	+14.29	289	42.23	3295	290	42.18	51.00	185.70	459

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

VALID ALTITUDE: YES

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
133	+15729	+15600	+15594	+15172	-91	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:42.150	Active Track Maintenance Msg	1700 0058 0001 da23 0001 eb8a 0001 e753 003b 3a4d fbf7 fd26 ec1d 0725 0000 0000
		17aa e976 0001 cdfd 2a2f 0823 7fff 2a44 0000 0cc0 2e6d 20af 00c2 0000 0000 0000
		061f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0823 0007 0136 ffff 0172 003f 0204 0000
		0000 0000 0000 0007 0000 0007 0000 0000 0000 0000 00ab 0000 0090 00b2 00c2 0000
		0000 0000 0000 00c8 01da 00f5 0000 0000 0000 0000 0000 0000 0000 023d ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000 0100 0000
		0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0005 2000 35ff 0000 0000 0000 0000 0000 0100 0000 0000 0001 0001 0102
		0001 0000 0000 0043 4c4a 3335 0000 0000 4649 4d00 5656 5600 2020 2020 2020 2020
		2020 0000 4444 4137 3700 0000 0000 0033 3535 0000 004d 0000 0000 0020 5656 5600

0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X NM	Y NM	STAT					
01:04:41.810	28	7.16	3431	302	2			80.94	166.86	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:42.150	Radar Report Msg	0b01 001c 003b 3b3e 143c 29b7 0394 359c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X NM	Y NM	STAT					
	29.47	3467	305	3				66.63	184.16	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 3b52 10a8 2e0a 0ebc 362c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.31	3424	301	4				80.78	166.92	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 3b52 1432 29bb 03a8 3580 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
9.22	3487	306	2				80.08	168.89	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:42.150	Radar Report Msg	0b01 001c 003b 3bb6 1405 2a39 049c 367c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
45.16	3482	306	3				57.20	196.75	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 3bb6 0e4d 3130 1694 3668 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
41.09	3491	307	4				60.22	193.95	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 3bb6 0f0e 307d 148c 368c 0204 0400 0005 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:42.240	400	2	4675		-198	-52			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-44.17	+32.34	306	54.69	3484 306	54.74	51.28	204.27	204	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
255	+14029	+13900	+13900	+13900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:42.240	Active Track Maintenance Msg	1700 0058 0001 b260 0001 b66a 0001 b260 003b 3b1f fbf7 0000 e9ea 102c 0000 0000
		f1ea fc43 0000 d9c3 36be 09bd 7fff 36c0 0039 0cd2 3311 0e93 0190 0000 0000 0200
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:42.240	51	2	1331		-198	+280			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-27.42	+21.67	308	34.88	3508 308	34.95	64.95	189.45	343	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
324	+31000	+31000	+31000	+31000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0003 c8c0 0003 c8c0 0003 c8c0 003b 3b3a 0000 0000 f24a 0ad6 0000 0000 f1e9 13f4 0000 db41 22f3 02d9 7fff 22f4 0000 103d 2f5d 186d 0033 0000 0000 aad8 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:42.240	384	2	1200		+99	+56			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-33.30	-0.72	268	33.25	3057 269	33.29	53.39	169.58	114	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
60	+5629	+5500	+5500	+5500	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 abe0 0000 afea 0000 abe0 003b 3940 fbf7 0000 ef59 ffa4 0000 0000
0717 03fd 0000 bf18 214a 0280 7fff 2150 015b 0d59 2a65 0823 0180 0000 0000 396a
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
01:04:42.030	30	5.03	3682	324	4		84.00	166.25	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:42.250	Radar Report Msg	0b01 001c 003b 3c1a 1500 2990 0284 3988 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
		4.84	3694	325	4		84.16	166.09	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 3c1a 150a 2986 026c 39b8 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	5.31	3675	323	4			83.84	166.52	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 3c24 14f6 29a1 02a8 396c 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:42.360	56	2	4752	-126	+182				RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-29.50	+24.59	309	38.39	3524 310	38.39	63.50	193.06	222	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
325	+12029	+11900	+11900	+11900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:42.360	Active Track Maintenance Msg	1700 0058 0001 73e0 0001 77ea 0001 73e0 003b 3b4d fbf7 0000 f140 0c4b 0000 0000
		f700 0d00 0000 dc43 2665 09ea 7fff 2668 0001 0fe0 3044 0fd0 0038 0000 0000 3c24
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:42.360	392	2	7304	-260	+272				RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10

X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-29.58 +25.75 311 39.20 3539 311 39.20 63.80 194.08 376 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
316 +24300 +24300 +24254 +24383 +28 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 f9f8 0002 f760 0002 f5f2 003b 3b5d 0000 00e1 f136 0ce0 0000 0000 ed7a 1362 0001 dd35 2734 0ec4 7fff 2738 a014 0ff3 3085 1acf 0188 0000 0000 0044 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:42.360 322 N900RL 2 3601 3601 1Y +57 -205 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-9.59 +8.86 312 13.00 3557 313 13.05 78.75 172.81 213 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
164 +6129 +6000 +6019 +5818 -49 -2 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 b5d7 0000 bf8a 0000 bc18 003b 3b72 fbf7 fe74 fb34 046e 0000 0000
0416 f161 ffeb de5a 0d0d 0781 7fff 0d10 0000 13b0 2b34 0f2e 0142 0000 0000 25f3
041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0781 008a 0122 ffff 01c2 0037 01b6 0000
0000 0000 0000 00ef 0000 0001 0001 0000 0000 0000 008f 0000 012b 00a5 0142 009b
0000 01c6 0000 01cb 000c 020d 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0100 0000 0000 0000 0000 0100 0000 0000 0001 0001 0702
0001 0000 0000 0031 474c 4634 0000 0000 504d 4400 5656 5600 2020 2020 2020 2020
2020 0000 4e39 3030 524c 0000 0000 0035 3736 0000 0059 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.03	3834	337	1			85.08	166.55	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:42.360	Radar Report Msg	0b01 001c 003b 3c88 1545 29a3 0284 3be8 0201 0100 0001 0000 1d00 0000
01:04:42.460	Delete Track Msg	1704 0008 0016 0910

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: DEP
01:04:42.580 74 N40905 2 6701 6701 0 -58 +70 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 9
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-9.92 +16.60 329 19.28 3745 329 19.32 80.41 180.36 91 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
320 +10129 +10000 +10012 +10017 +1 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:04:42.580 Active Track Maintenance Msg 1700 0058 0001 390b 0001 3c8a 0001 38e3 003b 3c45 fbf7 0009 fb0a 084d 0000 0000
fbd5 04fd 0000 ea13 1352 0dc1 7fff 1358 03b0 141a 2d17 0681 004a 0000 0000 0000
091f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0dc1 0000 0064 0064 0064 058a 0094 0000
0000 0000 0000 0000 0000 0058 0005 0000 0000 0000 029c 0000 01cc 012f 004a 01c6
0000 0213 0000 0001 0134 005a 0000 0000 0000 0000 0000 0000 0000 00dc ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 9900 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
0001 0000 0000 0043 5032 3852 0000 0000 4d59 4600 4c48 5300 2020 2020 2020 2020
2020 0000 4e34 3039 3035 0000 0000 0035 3837 0000 0000 0000 0000 0020 0000 0056
3539 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

END TIME START TIME TARGET REPORTS: LIVE SIMULATED VALID MODE-C: 0

01:04:42.380 01:04:37.840 RADAR-ONLY 110 0 0.0%
SENSOR = 2 BEACON-ONLY 0 0
RADAR & BEACON 0 0 VALID MODE-3/A: 0
TOTAL 110 0 0.0%

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:42.690	Sensor Sector Mark Msg	1715 000c 003b 3d8c 0000 0200

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:42.480	1	6.28	3861	339	4		85.14	167.86	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:42.700	Radar Report Msg	0b01 001c 003b 3d78 1549 29f7 0324 3c54 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	0.66	3843	338	3			85.70	162.27	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 3d78 156d 2891 0054 3c0c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	0.47	3827	336	0			85.72	162.14	0		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 3d78 156e 2889 003c 3bcc 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	2.03	3847	338	0			85.61	163.05	0		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 3d78 1567 28c3 0104 3c1c 0200 0000 0000 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.06	4011	353	3			86.36	166.59	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 3d78 1597 29a6 0288 3eac 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	8.63	3977	350	2					86.39	170.28	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:42.710	Radar Report Msg	0b01 001c 003b 3d82 1599 2a92 0450 3e24 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	10.91	4019	353	1					87.25	172.52	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:42.720	Radar Report Msg	0b01 001c 003b 3ddc 15d0 2b21 0574 3ecc 0201 0100 0001 0000 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
11.06	4050	356	5				87.78	172.58	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 3ddc 15f2 2b25 0588 3f48 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
8.88	26	2	1				88.31	170.17	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 3ddc 1614 2a8b 0470 0068 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
25.66	26	2	3				93.23	186.31	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:42.740	Radar Report Msg	0b01 001c 003b 3df0 174f 2e94 0cd4 0068 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.81	23	2	4				87.38	167.17	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 3df0 15d8 29cb 02e8 005c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
5.88	57	5	2				87.67		167.14	2		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 3df0 15eb 29c9 02f0 00e4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
9.03	49	4	2				88.66		170.23	2		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 3df0 162a 2a8f 0484 00c4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	24.22	99	9	3			95.34	184.00	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 3df0 17d6 2e00 0c1c 018c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:42.580	2	6.41	122	11	1		88.42	167.42	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:42.810	Radar Report Msg	0b01 001c 003b 3e4a 161b 29db 0334 01e8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.69	229	20	2			91.80	170.50	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 3e4a 16f3 2aa0 0558 0394 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:42.910	101	2	4661	+0	+0				RADAR-ONLY: NO

FIRMNESS: 7

DISPLAY X	DISPLAY NM	DISPLAY Y	DISPLAY NM	PRED_AZIM AZI DEG	PREDICTED RANGE NM	SYSTEM ACP	SYSTEM DEG	SYSTEM RANGE NM	SPEED X	SPEED NM	SPEED Y	SPEED NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3
														VALID ALTITUDE: YES

-6.24 -1.21 259 6.30 2947 259 6.36 79.42 162.25 0 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+829	+700	+700	+700	+0	+0	00001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:42.910	Active Track Maintenance Msg	1700 0058 0000 15e0 0000 19ea 0000 15e0 003b 38c3 fbf7 0000 fce1 ff65 0000 0000 0000 0000 0000 b830 065c 09b1 7fff 065c 0005 13db 2890 0000 0065 0000 0000 3e4a 0301 0700 0203 1000 0303 0100 0000 0100 0001 0000 0000 0000
01:04:42.910	Delete Track Msg	1704 0008 0147 0610

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:42.790	3	10.34	203	18	3		91.25		170.44	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:43.030	Radar Report Msg	0b01 001c 003b 3f26 16d0 2a9c 052c 032c 0203 0300 0001 0203 1d00 0000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:43.130	Delete Track Msg	1704 0008 00a5 0010

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:43.130	358	2	7303		+251	+271			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7
+0.14	+18.19	0	18.19	1 0	18.16	90.45	179.16	369	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
42	+18600	+18600	+18571	+18748	+39	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:43.130	Active Track Maintenance Msg	1700 0058 0002 49e4 0002 4540 0002 445b 003b 3d91 0000 0138 0012 0918 0000 0000 11da 134f 0002 0019 122a 0ec3 0050 1230 003b 169d 2cca 1a4c 0166 0000 0000 2254 071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:43.130	460	EJA631	2	4757	4757	0	-268	-154	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9
+3.70	+26.01	8	26.26	92 8	26.25	95.91	186.00	310	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW

240 +11729 +11600 +11601 +11400 -43 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 6444 0001 6e8a 0001 6a89 003b 3df3 fbf7 fea5 01d9 0d01 0000 0000 ece4 f500 0000 05c2 1a3f 09ef 05c0 1a44 003b 17fa 2e80 160c 01cc 0000 0000 0700 091f 2600 0201 1000 0303 0100 0000 0000 0000 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09ef 0000 0172 ffff ffff 003c 026d 0000
		0000 0000 0000 0001 0001 0001 0001 0000 0000 0000 009a 0000 003e 01bd 01cc 01a5
		0000 01e5 0000 01c8 005b 0124 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
		0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 2fff 0100 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0702
		0001 0000 0000 0031 4335 3658 0000 0000 504d 4400 564e 5900 2020 2020 2020 2020
		2020 0000 454a 4136 3331 0000 0000 0039 3135 0000 0000 0000 0000 0020 0000 0000
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:43.020	4	7.19	475	42	4		91.59	165.70	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4020 16e6 296d 0398 076c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
		7.38	512	45	2		91.97	165.47	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 4020 16fe 295e 03b0 0800 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:43.350	491	2	2734	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+32.30	-21.58	123	38.79	1407 124	38.84	111.50	132.75	127	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1029	+900	+0	+1029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:43.350	Active Track Maintenance Msg	1700 0058 0000 202a 0000 202a 0000 0000 0000 0000 fbf7 0000 1026 f536 0000 0000
		0000 0000 0000 57ff 26d7 05dc 57ff 26d7 0000 1be0 2130 0919 01eb 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:43.140	5	3.59	714	63	1		88.89	162.53	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:43.470	Radar Report Msg	0b01 001c 003b 40de 1639 28a2 01cc 0b28 0201 0100 0001 0000 1d00 0000
01:04:43.570	Delete Track Msg	1704 0008 01ad 0810
01:04:43.570	Delete Track Msg	1704 0008 01c5 0910

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:43.240	6	3.69	698	61	2		88.97	162.63	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:43.580	Radar Report Msg	0b01 001c 003b 4106 163e 28a8 01d8 0ae8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:43.470	7	3.91	776	68	2		89.28	162.27	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:43.700	Radar Report Msg	0b01 001c 003b 41ce 1652 2891 01f4 0c20 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		4.03	732	64	7		89.39	162.53	7		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 41ce 1659 28a2 0204 0b70 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	3.66	803	71	3			89.03		162.11	3		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 41ce 1642 2887 01d4 0c8c 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:43.790	6	2	1274		+0	+11			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+37.55	+17.89	64	41.54	733 64	41.59	126.61	169.64	11	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
355	-770	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:43.790	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e7eb ffff e3e1 003b 40c5 fbf7 0000 12c6 08f2 0000 0000
		ffee 00ca 0000 2dd7 2997 02bc 2de0 2998 0000 1fa7 2a69 00cb 0006 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:43.690	9	3.91	986	87	3		89.25	161.14	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:43.910	Radar Report Msg	0b01 001c 003b 42a0 1650 2849 01f4 0f68 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.28	972	85	4			90.70	160.95	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 42a0 16ad 283d 02a4 0f30 0204 0400 0001 0303 1d00 0000
01:04:44.010	Delete Track Msg	1704 0008 00d5 0110

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:44.130	424	2	4603		-243	-234			RADAR-ONLY: NO

FIRMNESS: 27

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6
+49.63	+7.59	81	50.20	925 81	50.20	135.59	156.63	337	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
226	+18900	+18900	+18921	+18661	-57	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:44.130	Active Track Maintenance Msg	1700 0058 0002 472b 0002 4ea0 0002 4f4d 003b 419c 0000 fe36 18d0 03cb 0000 0000
		eeb1 ef5b fffe 39d2 3234 0983 39d0 3234 0000 21e6 2728 1803 01a8 0000 0000 0000
		061f 1b00 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:44.130	248	2		0772			-240	-87	RADAR-ONLY: NO

FIRMNESS: 34

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+57.57	-1.59	91	57.58	1041 92	57.59	140.98	145.73	256	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
250	+16029	+15900	+15900	+15900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 f0e0 0001 f4ea 0001 f0e0 003b 4220 fbf7 0000 1cc9 ff34 0000 0000
		eedf f9c7 0000 411c 3997 01fa 4120 3998 0202 233f 246f 1239 00f8 0000 0000 0000
		0a1f 2200 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:44.130	59	2					+264	+415	RADAR-ONLY: NO

FIRMNESS: 12

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: NO
+42.20	+30.78	54	52.20	613 54	52.23	134.20	180.84	492	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
32	CST	CST	+27042	+27102	+12	+0	00110

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0003 4ef3 0003 4bc0 0003 4d17 003b 1bfa 0000 0067 1519 0f64 0000 0000 12d6 1d89 0000 2653 343c 0e90 26b0 3310 1715 218d 2d36 2308 003b 0000 0000 4a8c 0306 0c00 0203 1001 0303 0000 0000 0001 0100 0000 0000 0101

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:44.130	527	2	4676		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+24.08	-26.19	137	35.56	1563 137	35.57	102.38	130.39	92	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
0	+1929	+1800	+0	+1929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:44.130	Active Track Maintenance Msg	1700 0058 0000 3c4a 0000 3c4a 0000 0000 0000 0000 fbf7 0000 0c0a f2e8 0000 0000 0000 0000 0000 61b5 2393 09be 61b5 2393 0000 1998 2099 069c 020f 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:43.830	10	53.72	1140	100	4		134.45	139.25	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:44.130	Radar Report Msg	0b01 001c 003b 432c 219d 22d0 1adc 11d0 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	11.09	1099	97	1			95.98	157.86	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 432c 17ff 2777 058c 112c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	2.91	1123	99	0					87.97		160.88		0		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 432c 15fe 2838 0174 118c 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	2.72	1161	102	0					87.72		160.86		0		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 432c 15ee 2837 015c 1224 0200 0000 0000 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.69	1169	103	4				92.44	158.38	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:44.140	Radar Report Msg	0b01 001c 003b 4336 171c 2798 03d8 1244 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
8.00	1155	102	1				92.80	158.38	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4336 1733 2798 0400 120c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.56	1173	103	2				92.30	158.39	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4336 1713 2799 03c8 1254 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.88	1202	106	2				90.64	158.98	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 4336 16a9 27bf 02f0 12c8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM	COR SYSTEM STAT	SYSTEM PROC	STR	SC	TYP	SYS
7.63	1158	102	3			92.44	158.52	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4336 171c 27a1 03d0 1218 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM	COR SYSTEM STAT	SYSTEM PROC	STR	SC	TYP	SYS
7.28	1164	102	3			92.09	158.61	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4336 1706 27a7 03a4 1230 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	6.06	1174	103	2			90.92	159.11	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4336 16bb 27c7 0308 1258 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:44.010	11	11.09	1246	110	5		94.84	155.67	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:44.240	Radar Report Msg	0b01 001c 003b 4390 17b6 26eb 058c 1378 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.50	1235	109	1			90.16	158.95	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4390 168a 27bd 02c0 134c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	6.31	1257	110	2			90.75	158.33	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 4390 16b0 2795 0328 13a4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.34	1236	109	3						90.89			158.47	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4390 16b9 279e 032c 1350 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
20.66	1243	109	1						102.84			150.34	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4390 19b6 2596 0a54 136c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	22.44	1300	114	7			103.17	147.78	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:44.250	Radar Report Msg	0b01 001c 003b 43ea 19cb 24f2 0b38 1450 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	35.66	1354	119	3			111.52	137.23	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 43ea 1be1 224f 11d4 1528 0203 0300 0004 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	25.56	1480	130	5			100.48	141.00	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:44.260	Radar Report Msg	0b01 001c 003b 43fe 191f 2340 0cc8 1720 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:44.350	523	2		0646			-226	-83	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PREDICTED DEG	RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES

+38.72 -1.89 92 38.73 1056 93 38.76 122.69 150.20 241 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
249	+12329	+12200	+12231	+12168	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:44.350	Active Track Maintenance Msg	1700 0058 0001 7c44 0001 814a 0001 7e3b 003b 4230 fbf7 ff93 135c ff0e 0000 0000 efed fa08 0000 420c 26c3 01a6 4200 26c4 5858 1eac 258d 1125 020b 0000 0000 0044 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:44.360	321	2	4665		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+43.40	-3.46	94	43.51	1075 95	43.54	126.84	147.44	146	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2229	+2100	+0	+2229	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:44.360	Active Track Maintenance Msg	1700 0058 0000 45aa 0000 45aa 0000 0000 0000 0000 fbf7 0000 15b3 fe45 0000 0000 0000 0000 0000 433e 2b89 09b5 433e 2b89 0000 1fb6 24dc 0a74 0141 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:44.450	298	2	0771		-208	-93			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+25.92	-7.08	105	26.82	1197 105	26.89	109.02	148.44	228	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
245	+8929	+8800	+8777	+8713	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:44.450 Active Track Maintenance Msg 1700 0058 0001 104d 0001 170a 0001 124a 003b 42cf fbf7 ff92 0cf6 fc76 0000 0000
f12a f959 0000 4ad4 1ae4 01f9 4ae0 1ae0 003b 1b41 251c 1042 012a 0000 0000 21a9
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:44.450	519	2	1631		-156	-100			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+50.13	-10.77	102	51.26	1161 102	51.27	131.50	138.73	186	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
237	+8029	+7900	+7900	+7900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 f6e0 0000 faea 0000 f6e0 003b 42a7 fbf7 0000 1910 fa9d 0000 0000
f4de f8d8 0000 489d 3344 0399 48a0 3344 1d00 20e0 22af 0d3c 0207 0000 0000 1d4a
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: DEP
01:04:44.450 394 N121NA 2 1320 1320 1V -131 +9 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+17.09 -3.06 100 17.33 1139 100 17.37 101.50 154.55 132 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
274 +5929 +5800 +5805 +5798 -1 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 b535 0000 b94a 0000 b56b 003b 428e fbf7 fff5 088b fe78 0000 0000
f69f 00af 0000 4733 115f 02d0 4740 115c 0000 1960 26a3 0967 018a 0000 0000 716a
051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 02d0 0005 003c 003c 003c 0000 023d 0000
0000 0000 0000 0000 0000 0024 0003 0000 0000 0000 02db 0000 001a 015e 018a 0099
018b 0027 0000 0113 0248 0168 0000 0000 0000 0000 0000 0000 0000 020e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 a4ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102

0001 0000 0000 0043 5041 3434 0000 0000 5241 4c00 5344 3800 2020 2020 2020 2020
2020 0000 4e31 3231 4e41 0000 0000 0036 3932 0000 0056 0000 0000 0020 0000 0046
3036 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:44.450	339	2	2201		-169	-77			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID
+46.68	-13.77	106	48.61	1211 106	48.64	127.42	136.70	186	ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

FIRMNESS: 8

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
245	+8029	+7900	+7889	+7885	+0	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 f66f 0000 faea 0000 f68c 003b 42de fbf7 fffb 1757 f91e 0000 0000
f3f5 fa85 0000 4bba 30a3 0481 4bb0 30ac 0000 1fdb 222d 0d3c 0153 0000 0000 83b0
081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:44.450 389 2 1654 -163 +91 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 8
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+40.51 -13.86 108 42.79 1239 109 42.81 121.42 138.17 187 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
299 +6329 +6200 +6206 +6108 -21 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 bee1 0000 c5ca 0000 c1f5 003b 42fd fbf7 ff55 1441 f912 0000 0000
f464 0680 0000 4d77 2ad0 03ac 4d70 2ad0 003a 1e5b 228b 0d4e 0185 0000 0000 0400
081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:44.450 590 2 4624 -21 -104 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 8
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+33.71 -16.38 116 37.45 1319 116 37.50 114.22 137.45 106 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
191	+2929	+2800	+2797	+2791	-1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 573d 0000 5b8a 0000 576b 003b 4357 fbf7 fff7 10db f7cf 0000 0000 fe7f f899 0000 5276 2581 0994 5270 257c 0000 1c8e 225d 078e 024e 0000 0000 11bc 081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:44.450	245	2		5266	+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+44.70	-6.75	98	45.19	1121 99	45.21	127.27	143.92	145	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+4129	+4000	+0	+4129	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:44.450	Active Track Maintenance Msg	1700 0058 0000 810a 0000 810a 0000 0000 0000 0000 fbf7 0000 165a fca0 0000 0000 0000 0000 0000 461b 2d35 0ab6 461b 2d35 0000 1fd1 23fb 0a55 00f5 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:44.450	451	2		3220	+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+4.23	-15.22	164	15.75	1871 164	15.79	85.98	146.05	141	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+629	+500	+0	+629	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 13aa 0000 13aa 0000 0000 0000 0000 fbf7 0000 021d f864 0000 0000
0000 0000 0000 74f6 0fcb 0690 74f6 0fcb 0000 157f 2483 0a0b 01c3 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:44.130	12	20.88	1555	137	3		95.73	143.58	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:44.470	Radar Report Msg	0b01 001c 003b 44bc 17ef 23e5 0a70 184c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:44.340	13	41.97	1643	144	4		100.73	122.67	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:44.570	Radar Report Msg	0b01 001c 003b 4534 192f 1eab 14fc 19ac 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	28.63	1603	141	3			97.58	135.83	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4534 1865 21f5 0e50 190c 0203 0300 0003 0003 1d00 0000
01:04:44.670	Delete Track Msg	1704 0008 013d 0010

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:44.670	207	N8451R	2	4647	4647	1X	-105	+19	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
+5.17	-2.68	117	5.76	1339 118	5.82	90.05	157.98	107	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	SLID WINDOW
280	+6029	+5900	+5900	+5900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:44.670	Active Track Maintenance Msg	1700 0058 0000 b860 0000 bc6a 0000 b860 003b 436b fbf7 0000 0296 fea9 0000 0000
		f87d 0166 0000 53b7 05d3 09a7 5380 05d4 2a53 1683 277f 07a4 00cf 0000 0000 8020
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09a7 0015 003c 003c 003c 0028 0068 0000
		0000 0000 0000 0000 0000 0026 0001 0000 0000 0000 00b0 0000 0037 00e1 00cf 0041
		0000 0044 0000 01bb 0036 00bd 0000 0000 0000 0000 0000 0000 0000 020c ffff 0000

0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5032 3841 0000 0000 504f 4300 5656 5600 2020 2020 2020 2020
2020 0000 4e38 3435 3152 0000 0000 0036 3633 0000 0058 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:44.670	319	2	4725		+41	+15			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+0.43	-0.28	123	0.45	1299 114	0.64	86.11	161.45	44	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
69	+729	+600	+624	+658	+7	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 1492 0000 16ca 0000 1386 003b 43b8 fbf7 003a 0037 ffdc 0000 0000 02f4 0119 0000 5136 00a4 09d5 57d0 0084 0001 1587 285d 0326 013f 0000 0000 f6d9 061f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	3.97	1717	151	2			86.67	158.33	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:44.690	Radar Report Msg	0b01 001c 003b 4552 15ab 2795 01fc 1ad4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	30.78	1722	151	3			93.19	132.02	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4552 174c 2101 0f64 1ae8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.03	1763	155	1			86.63		157.16	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4552 15a8 274a 0284 1b8c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:44.790	155	2	3275		+99	+165			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+28.87	-20.20	125	35.18	1421 125	35.22	108.56	135.00	193	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
31	+5029	+4900	+4900	+4900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:44.790	Active Track Maintenance Msg	1700 0058 0000 9920 0000 9d2a 0000 9920 003b 43cb fbf7 0000 0e6f f5e6 0000 0000 0716 0bc2 0000 58d7 2338 06bd 58e0 233c 0003 1b24 21c0 0dba 009b 0000 0000 2090 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:44.790	329	2	4657		-142	+180			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+22.24	-22.30	135	31.42	1536 135	31.50	101.63	134.66	229	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
321	+7029	+6900	+6900	+6900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 d7a0 0000 dbaa 0000 d7a0 003b 444d fbf7 0000 0b1f f4da 0000 0000
f5e4 0cd1 0000 6004 1f81 09af 6010 1f80 0001 1968 21aa 1053 0149 0000 0000 2090
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:44.790	55	2	7230		-217	-81			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+11.45	-12.43	137	16.85	1563 137	16.90	93.69	146.92	232	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
249	+3329	+3200	+3221	+3135	-18	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 61fa 0000 680a 0000 64ab 003b 446a fbf7 ff6b 05ba f9c9 0000 0000
f081 fa2e 0000 61bf 10e7 0e98 61b0 10e8 1d00 176c 24bb 108e 0037 0000 0000 f4ea
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:44.790 555 2 3507 +78 +179 RADAR-ONLY: NO
FIRMNESS: 27
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 7
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+25.58 -25.81 135 36.32 1538 135 36.34 103.97 130.41 196 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
23 +5029 +4900 +4900 +4900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 9920 0000 9d2a 0000 9920 003b 444f fbf7 0000 0cca f318 0000 0000
059d 0cc5 0000 6027 2458 0747 6030 2458 018c 19fe 209a 0df3 022b 0000 0000 0000
071f 1b00 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:44.790 561 2 4745 -154 +111 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+14.47 -15.77 137 21.36 1564 138 21.40 95.77 142.94 190 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
306	+4529	+4400	+4407	+4327	-18	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 873c 0000 8d8a 0000 89bd 003b 446b fbf7 ff70 073c f81d 0000 0000 f504 07f6 ffff 61c8 1566 09e5 61c0 1568 0b01 17f1 23bc 0d91 0231 0000 0000 030c 051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:44.790	278	2	4613		+245	+51			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+21.14	-20.51	134	29.43	1525 134	29.45	101.02	136.67	251	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
78	+6029	+5900	+5899	+5899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 b85a 0000 bc6a 0000 b85b 003b 4440 fbf7 0000 0a92 f5bf 0000 0000
		117e 03a8 0000 5f5e 1d72 098b 5f60 1d74 0000 1941 222b 11df 0116 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:44.790	437	2	1200		+1	-81			RADAR-ONLY: NO

FIRMNESS: 30

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
+11.62	-1.64	98	11.68	1115 98	11.73	96.59	157.30	81	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
179	+1729	+1600	+1600	+1600	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 3200 0000 360a 0000 3200 003b 4273 fbf7 0000 05cf ff2e 0000 0000
0013 fa35 0000 45b7 0bbb 0280 45c0 0bbc 0000 1826 2753 05cb 01b5 0000 0000 0000
081f 1e00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:44.560	15	4.09	1783	157	4		86.33		158.13	4		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:44.790	Radar Report Msg	0b01 001c 003b 4606 1595 2788 020c 1bdc 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		22.28	1784	157	5		89.06		139.86	5		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4606 1644 22f7 0b24 1be0 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	23.09	1816	160	5			88.06	138.92	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4606 1604 22bb 0b8c 1c60 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.06	1820	160	3			86.11	158.13	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:44.790	Radar Report Msg	0b01 001c 003b 461a 1587 2788 0208 1c70 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.13	1811	159	2			86.17	158.06	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 461a 158b 2784 0210 1c4c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.06	1853	163	2			85.92	158.11	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 461a 157b 2787 0208 1cf4 0202 0200 0001 0103 1d00 0000
01:04:44.890 Delete Track Msg 1704 0008 014f 0710

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:44.890	160	2	4645		+254	+281			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
+6.83	-9.79	145	11.89	1653 145	11.96	89.80	150.92	378	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
42	+16629	+16500	+16507	+16675	+36	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:44.890	Active Track Maintenance Msg	1700 0058 0002 091d 0002 07aa 0002 03dc 003b 44cd fbf7 0123 036a fb1b 0000 0000
		1211 13ff 0000 6750 0bf6 09a5 6730 0bf0 0000 1673 25bb 1af3 00a0 0000 0000 0058
		091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:44.890	176	2	4772		+158	+22			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+6.19	-9.73	147	11.49	1677 147	11.50	89.28	150.88	160	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
81	+3829	+3700	+3728	+3662	-14	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 7274 0000 77aa 0000 7483 003b 44ec fbf7 ff8e 0318 fb23 0000 0000
		0b4b 01a0 0000 68d3 0b7f 09fa 68f0 0b88 0000 1652 25b8 0b68 00b0 0000 0000 0058
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:44.890	98	2	3253		-166	-81			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+7.78	-12.93	149	15.03	1697 149	15.20	90.02	147.36	185	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
244	+3029	+2900	+2908	+2738	-37	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 5596 0000 5eaa 0000 5ae1 003b 44fe fbf7 fed5 03e4 f989 0000 0000
f426 fa37 fffe 6a1b 0f32 06ab 69f0 0f18 0000 1681 24d7 0d31 0062 0000 0000 3bbc
051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:44.890	530	2	4643		-266	+189			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
+18.16	-40.80	156	44.60	1775 156	44.66	92.98	117.91	326	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
305	+20000	+20000	+20000	+20000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 7100 0002 7100 0002 7100 003b 4558 0000 0000 0914 eb9a 0000 0000
		ed13 0d72 0000 6ef9 2ca9 09a3 6ef0 2ca8 0000 173f 1d7a 1738 0212 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:44.890	7	2	1275		+3	+6			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+41.63	-14.47	109	44.05	1240 109	44.10	122.34	137.33	7	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
31	+0	+0	+0	+0	+0	00000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 0000 0000 0000 0000 0000 003b 4301 0000 0000 14d1 f8c4 0000 0000
		0046 0072 0000 4d8f 2c19 02bd 4da0 2c14 0000 1e96 2255 0086 0007 0000 0000 0100
		0000 2600 0203 1000 0300 0100 0000 0001 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:44.680	16	6.59	1891	166	1		85.67	155.44	1		RT		2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:44.900	Radar Report Msg	0b01 001c 003b 4688 156b 26dc 034c 1d8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
5.31	1883	165	4						85.75	156.78	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4688 1570 2732 02a8 1d6c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
18.41	1891	166	3						85.48	143.50	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4688 155f 23e0 0934 1d8c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.44	1887	166	4				85.70	155.61	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4688 156d 26e7 0338 1d7c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
10.06	1893	166	5				85.58	151.91	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4688 1565 25fa 0508 1d94 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
4.41	1978	174	1				85.16	157.78	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4688 154a 2772 0234 1ee8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
4.19	2003	176	1				85.05	158.05	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 4688 1543 2783 0218 1f4c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:45.010	406	2	4622			-154	-1		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+9.30	-21.98	157	23.80	1788 157	23.89	89.20	138.23	154	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
269	+3929	+3800	+3824	+3824	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:45.010	Active Track Maintenance Msg	1700 0058 0000 7785 0000 7aca 0000 7785 003b 4566 fbf7 0000 04a7 f502 0000 0000
		f4ff ffe4 0000 6fc0 17e3 0992 6fb0 17e0 0001 164d 228f 0b01 0196 0000 0000 461a
		051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:45.010	310	2	1051		+449	+108			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+12.88	-30.42	157	32.99	1787 157	33.03	90.48	129.38	462	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
76	+23800	+23800	+23796	+23961	+35	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 eccd 0002 e7c0 0002 e7a3 003b 4566 0000 011f 0670 f0ca 0000 0000
		1ffa 07b5 0000 6fbb 2107 0229 6fb0 2108 a005 169f 2058 20e4 0136 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	5.34	2094	184	4			84.13	157.02	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:45.010	Radar Report Msg	0b01 001c 003b 46f6 1508 2741 02ac 20b8 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	5.19	2081	183	2			84.28	157.14	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 46f6 1512 2749 0298 2084 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:45.230	328	2	6655		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+17.98	-21.09	139	27.66	1587 140	27.71	97.78	136.88	137	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+629	+500	+0	+629	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:45.230	Active Track Maintenance Msg	1700 0058 0000 13aa 0000 13aa 0000 0000 0000 0000 fbf7 0000 08fd f575 0000 0000
		0000 0000 0000 633c 1bb5 0dad 633c 1bb5 0000 1872 2238 09c9 0148 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:45.330	580	2	4614		-54	+66			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
-0.96	-17.33	183	17.34	2083 183	17.38	80.45	145.33	85	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
320	+5029	+4900	+4917	+4940	+5	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:45.330	Active Track Maintenance Msg	1700 0058 0000 9a63 0000 9d2a 0000 99a8 003b 46b4 fbf7 0028 ff85 f756 0000 0000
		fc26 04b9 0000 8234 1162 098c 7fff 115c 0000 141d 2455 0618 0244 0000 0000 0000
		061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:45.330	532	2	7234		-74	-215			RADAR-ONLY: NO

FIRMNESS: 33

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
-2.57	-18.29	188	18.43	2138 188	18.42	78.66	144.81	227	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
199	+3429	+3300	+3333	+3514	+39	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 6dd6 0000 6b2a 0000 6829 003b 46f2 fbf7 0139 feb7 f6db 0000 0000
fab4 f0b3 0000 85a3 126b 0e9c 7fff 1278 1be0 13aa 2434 1031 0214 0000 0000 0000
091f 2100 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:45.130	19	3.72	2234	196	3				84.05		158.97	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:45.350	Radar Report Msg	0b01 001c 003b 4840 1503 27be 01dc 22e8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		4.44	2243	197	1				83.59		158.33	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4840 14e6 2795 0238 230c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
4.44	2218	195	1						83.72	158.25	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4840 14ee 2790 0238 22a8 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:45.450	449		2	7242			-318	+148	RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-5.03	-31.58	189	31.95	2150 189	31.98	73.08	132.98	351	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
295	+33000	+33000	+32996	+32995	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:45.450	Active Track Maintenance Msg	1700 0058 0004 0718 0004 0740 0004 0724 003b 46ff 0000 fffe fd7c f036 0000 0000
		e959 0a8b 0000 866f 1ffa 0ea2 7fff 1ffc 1d00 1245 213f 18fc 01c1 0000 0000 37d8
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:45.450	49		2	6311			+357	+29	RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
-5.39	-44.84	186	45.13	2125 187	45.17	69.20	119.86	358	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
85	+9529	+9400	+9391	+9333	-9	+1	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 23af 0001 29ca 0001 257d 003b 46e3 fbf7 ffb2 fd4e e994 0000 0000
		196d 0222 0009 84d4 2d2c 0cc9 7fff 2d2c 1d00 114d 1df7 1984 0031 0000 0000 28b0
		041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:45.450	379	2		6312	+253	+23			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-2.59	-12.43	191	12.64	2180 192	12.73	80.14	150.52	254	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
84	+7129	+7000	+6984	+6853	-23	+2	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 d62a 0000 deca 0000 da46 003b 4722 fbf7 ff45 feb4 f9c9 0000 0000
		1202 01ab 0011 884b 0cbb 0cca 7fff 0cb4 0b01 1409 25a1 1215 017b 0000 0000 08a0
		041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:45.550	219	2		1060	-392	-128			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-5.17	-19.38	194	20.04	2219 195	20.07	76.27	145.11	412	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
252	+35000	+35000	+34995	+34994	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:45.550 Active Track Maintenance Msg 1700 0058 0004 4590 0004 45c0 0004 4599 003b 474b 0000 ffff fd6a f650 0000 0000
e41c f6e5 0000 8ab1 1411 0230 7fff 1410 0039 1311 2447 1d57 00db 0000 0000 0200
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:45.550	173	2	6307		+530	-209			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-4.88	-15.22	197	15.95	2251 198	15.99	77.69	149.13	570	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
111	+33000	+33000	+33000	+33000	+0	+0	11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 0740 0004 0740 0004 0740 003b 476f 0000 0000 fd90 f864 0000 0000
		25ba f112 0000 8cb2 0ffd 0cc7 7fff 0ffc 0000 136c 2548 2893 00ad 0000 0000 aad8
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:45.550	361	2		1022	-121	-245			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
-6.00	-19.34	197	20.22	2249 198	20.21	75.08	144.67	274	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
206	+6329	+6200	+6168	+6536	+80	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 cc45 0000 c5ca 0000 c0c0 003b 4768 fbf7 0282 fd00 f654 0000 0000
		f754 ee85 0001 8c90 1435 0212 7fff 1440 015b 12c5 242b 1383 0169 0000 0000 396a
		091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:45.220	20	5.56	2531	222	1		81.30	158.95	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:45.560	Radar Report Msg	0b01 001c 003b 4912 1453 27bd 02c8 278c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	5.97	2582	227	4				80.72		159.11	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4912 142e 27c7 02fc 2858 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	5.56	2507	220	1				81.41		158.78	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4912 145a 27b2 02c8 272c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	6.63	2553	224	4			80.25	158.53	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4912 1410 27a2 0350 27e4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	6.44	2593	228	2			80.23	158.97	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4912 140f 27be 0338 2884 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:45.540	22	8.03	2659	234	1		78.45	158.94	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:45.780	Radar Report Msg	0b01 001c 003b 499e 139d 27bc 0404 298c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	6.78	2628	231	2			79.77	159.13	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg	0b01 001c 003b 499e 13f1 27c8 0364 2910 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	8.69	2660	234	3						77.83		158.70	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 499e 1375 27ad 0458 2990 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.22	2667	234	1						79.20		159.33	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 499e 13cd 27d5 039c 29ac 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.38	2713	238	2		81.88	160.66	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:45.790	Radar Report Msg	0b01 001c 003b 49e4 1478 282a 0230 2a64 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	15.75	2746	241	1		70.56	158.05	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 49e4 11a4 2783 07e0 2ae8 0201 0100 0001 0000 1d00 0000
01:04:45.890	Delete Track Msg	1704 0008 020d 0110

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:45.890	8	2	1273	-9	+12				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PREDICTED DEG	RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-37.78	-33.20	228	50.26	2601	229	50.26	40.83	139.30	15	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
322	-899	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:45.890 Active Track Maintenance Msg 1700 0058 ffff e3e1 ffff e3e1 ffff e3e1 003b 48fb 0000 0000 ed1c ef66 0000 0000
ff5a 00db 0000 a29f 3243 02bb 7fff 324c 0001 0a35 22d3 0113 0008 0000 0000 3aee
0a1f 2603 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:45.890	586	2	4673		+312	-17			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-13.12	-12.19	227	17.86	2584 227	17.88	70.06	153.41	312	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
93	+10029	+9900	+9904	+9905	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 358e 0001 396a 0001 3583 003b 48e7 fbf7 0002 f971 f9e8 0000 0000
		1632 fec3 0000 a183 11e1 09bb 7fff 11e8 1d00 1184 265a 163b 024a 0000 0000 19a4
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:04:45.890	Delete Flight Data Msg	1809 0008 02ac 0500

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:45.690	23	29.16	2775	244	5			57.23	156.06	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:45.900	Radar Report Msg	0b01 001c 003b 4a66 0e4f 2704 0e94 2b5c 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		27.56	2778	244	4			58.78	156.50	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4a66 0eb2 2720 0dc8 2b68 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		8.72	2745	241	4			77.45	159.75	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4a66 135d 27f0 045c 2ae4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	24.72	2763	243	3				61.69		156.50	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4a66 0f6c 2720 0c5c 2b2c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	2.00	2796	246	5				84.61		161.64	5		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4a66 1527 2869 0100 2bb0 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	12.00	2837	249	3			73.94	160.59	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4a66 127c 2826 0600 2c54 0203 0300 0001 0203 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:45.990	275	2	0257	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+35.70	+0.88	88	35.70	1008	89	35.70	120.50	153.59	147

INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
0	+1629	+1500	+0	+1629	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:45.990	Active Track Maintenance Msg	1700 0058 0000 32ea 0000 32ea 0000 0000 0000 0000 fbf7 0000 11d9 0070 0000 0000 0000 0000 0000 3f00 23b4 00af 3f00 23b4 0000 1e20 2666 0a76 0113 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:45.790	24	15.53	3000	264	4		70.48	164.08	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4ad4 119f 2905 07c4 2ee0 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:46.110	304	2	7342			-323	+153		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-33.23	-18.02	241	37.75	2748 242	37.81	49.48	152.92	358	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
295	+35000	+35000	+35000	+34999	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:46.110	Active Track Maintenance Msg	1700 0058 0004 45bf 0004 45c0 0004 45c0 003b 499f 0000 0000 ef63 f6fd 0000 0000 e8ff 0aef 0000 abcb 25cf 0ee2 7fff 25cc 0000 0c5f 263b 1978 0130 0000 0000 96bc 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
6.56	3075	270	3			79.63	163.47	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:46.210	Radar Report Msg	0b01 001c 003b 4ba6 13e8 28de 0348 300c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
13.28	3139	276	1			73.42	166.47	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4ba6 125b 299e 06a4 310c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:46.330	87	CPF420	2	4664	4664	1X	+117	-42	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4
-3.40	-1.06	252	3.54	2874 253	3.58	82.28	161.67	124	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
110	+5129	+5000	+4981	+4981	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:46.330	Active Track Maintenance Msg	1700 0058 0000 9bad 0000 a04a 0000 9bad 003b 4a2d fbf7 0000 fe4d ff78 0000 0000

0855 fcfa 0000 b3aa 0395 09b4 7fff 0390 a003 1492 286b 08dd 0057 0000 0000 6d0c
041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09b4 0015 0032 0032 0032 003c 017c 0000
0000 0000 0000 0000 0000 0001 0026 0000 0000 0000 00ed 0000 01b0 009b 0057 0201
0000 016b 0000 0010 0184 0185 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2eff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 4332 3036 0000 0000 5748 5000 544f 4100 2020 2020 2020 2020
2020 0000 4350 4634 3230 0000 0000 0035 3634 0000 0058 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:46.330 545 2 4706 -144 -38 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-25.05 -6.48 255 25.81 2906 255 25.89 59.91 161.92 149 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
255 +4029 +3900 +3900 +3900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 79e0 0000 7dea 0000 79e0 003b 4a52 fbf7 0000 f37a fcc3 0000 0000
f5bf fd3e 0000 b5ad 19e4 09c6 7fff 19e0 0000 0efa 287b 0a9e 0221 0000 0000 0100
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:46.330 591 N31F 2 0260 0260 1Y +42 +76 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-7.09 -1.78 256 7.27 2911 256 7.31 78.47 161.91 87 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: YES
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
28 +1929 +1800 +1795 +1796 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 3824 0000 3c4a 0000 381f 003b 4a56 fbf7 0001 fc74 ff1c 0000 0000
0300 0572 0000 b5fa 0750 00b0 7fff 0750 1615 139e 287a 0638 024f 0000 0000 0fc8
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 00b0 008a 0104 ffff ffff 003d 000e 0000
0000 0000 0000 0000 0000 008a 008a 0000 0000 0000 0000 0000 00c9 0007 024f 0136
0000 00b1 0000 013a 00d7 00d5 0000 0000 0000 0000 0000 0000 0000 0448 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0001 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0004 2020 2fff 0000 0000 0000 0000 0000 0000 0000 0000 0001 0702
0001 0000 0000 0043 0000 0000 0000 0000 0000 0000 564e 5900 2020 2020 2020 2020
2020 0000 4e33 3146 0000 0000 0000 0000 0000 0000 0059 0000 0000 0020 564e 5900
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: OVR
01:04:46.330 274 N8063T 2 4763 4763 1V +126 +27 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 8
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-15.76 -2.88 259 16.01 2954 260 16.01 69.84 163.05 129 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
78 +7029 +6900 +6906 +6912 +1 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 d805 0000 dbaa 0000 d7d6 003b 4a87 fbf7 000a f81f fe90 0000 0000
08fc 01ed 0000 b8ab 1003 09f3 7fff 1004 1e2b 1176 28c3 0930 0112 0000 0000 08f4
081f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09f3 0005 0032 ffff 0032 002c 022a 0000
0000 0000 0000 01b8 0000 0003 0015 0000 0000 0000 00ae 0000 0070 0245 0112 00cb
0000 002d 0000 0194 0133 0144 0000 0000 0000 0000 0000 0000 0000 042f ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 00ff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0036 5041 3332 0000 0000 4f58 5200 4844 4600 2020 2020 2020 2020
2020 0000 4e38 3036 3354 0000 0000 0030 3030 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

01:04:46.440 Delete Track Msg 1704 0008 00c9 0010

01:04:46.440 Delete Track Msg 1704 0008 0007 0110
01:04:46.440 Delete Track Msg 1704 0008 015c 0310
Delete Track Msg 1704 0008 0136 0310
01:04:46.440 Delete Track Msg 1704 0008 00b1 0510
01:04:46.440 Delete Track Msg 1704 0008 013a 0710
01:04:46.440 Delete Track Msg 1704 0008 0080 0910
Delete Track Msg 1704 0008 00d5 0910
Delete Track Msg 1704 0008 0144 0910

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:46.440	362	2		0006	+209	-362			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-24.21	-2.53	264	24.31	3004 264	24.34	61.81	165.50	418	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
149	+14329	+14200	+14181	+13980	-43	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:46.440	Active Track Maintenance Msg	1700 0058 0001 b4e0 0001 bfca 0001 bb2d 003b 4abf fbf7 fea4 f3e5 febc 0000 0000
		0eee e641 0000 bbcc 1857 0006 7fff 1858 0006 0f74 2960 1dc3 016a 0000 0000 0100
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:46.440	475	N6887L	2	4714	4714	1V	+183	+2	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4
-16.66	-1.22	266	16.66	3024 266	16.70	69.36	164.88	183	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
89	+4929	+4800	+4818	+4818	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 9691 0000 9a0a 0000 9691 003b 4ad6 fbf7 0000 f7ac ff64 0000 0000
		0d0c 0030 0000 bd0e 10b4 09cc 7fff 10b4 0100 1157 2938 0d0c 01db 0000 0000 0101
		041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0004 0000 0000 0000 0000 0000 0000
		0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 2000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09cc 0005 0000 ffff 0032 0038 0253 0000
		0000 0000 0000 00f3 0000 0003 0015 0000 0000 0000 00f2 0000 0014 0138 01db 00c3
		0000 01aa 0000 0062 0054 01c9 0000 0000 0000 0000 0000 0000 0000 025c ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
		0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 1dff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102

0001 0000 0000 0036 4334 3231 0000 0000 4f58 5200 4343 4200 2020 2020 2020 2020
2020 0000 4e36 3838 374c 0000 0000 0037 3937 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:46.440	9	2	1275		-5	+1			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-12.52	-11.01	228	16.65	2602 229	16.66	70.88	154.38	5	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
288	-470	-599	-599	-599	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 ffff ed41 ffff f14b ffff ed41 003b 48fb fbf7 0000 f9bd fa7f 0000 0000 ff9f 0021 0000 a2a6 10a8 02bd 7fff 10ac 0000 11b8 2698 0066 0009 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:46.230	27	13.75	3121	274	4			72.86	166.27	4			RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:46.440	Radar Report Msg	0b01 001c 003b 4c1e 1237 2991 06e0 30c4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		13.16	3139	276	1			73.55	166.42	1			RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4c1e 1263 299b 0694 310c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		12.84	3146	277	1			73.89	166.44	1			RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4c1e 1279 299c 066c 3128 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	11.44	3216	283	2			75.70	167.03	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4c1e 12ed 29c2 05b8 3240 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.13	3244	285	4			77.09	166.80	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:46.470	Radar Report Msg	0b01 001c 003b 4c96 1346 29b3 0510 32b0 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	14.09	3290	289	1			74.14	169.63	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4c96 1289 2a68 070c 3368 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	35.84	3251	286	4					54.89	179.95	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4c96 0db9 2cfd 11ec 32cc 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	13.91	3283	289	4					74.22	169.39	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4ca0 128e 2a59 06f4 334c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	6.66	3306	291	3					80.50	165.56	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4ca0 1420 2964 0354 33a8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS

8.75	3357	295	5		79.16	167.33	5		RT	2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4ca0 13ca 29d5 0460 3474 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X	NM	SYSTEM Y	NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
7.25	3425	301	2			80.83	166.89	2				RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4ca0 1435 29b9 03a0 3584 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:46.550	297		2	1056		-10	+97		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-41.30	-0.95	268	41.26	3055 269	41.30	45.61	171.38	97	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
353	+6529	+6400	+6440	+6494	+11	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:46.550	Active Track Maintenance Msg	1700 0058 0000 caf5 0000 cc0a 0000 c944 003b 4afb fbf7 005e eb59 ff87 0000 0000
		ff3b 06e6 0000 befe 294e 022e 7fff 2950 0100 0b67 2ad8 06f1 0129 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:46.550	84	N774CS	2	3376	3376	1W	+158	-156	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
-19.93	+3.40	279	20.16	3182 280	20.22	67.41	170.16	222	INHIBIT MSAW PROCESS: YES

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
134	+9529	+9400	+9384	+9352	-6	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0001 2442 0001 29ca 0001 2542 003b 4b87 fbf7 ffc9 f609 01b3 0000 0000
0b43 f4d7 0000 c6e4 1439 06fe 7fff 1438 5858 10da 2a8a 0fda 0054 0000 0000 0118
051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 06fe 0003 012c ffff f830 0037 01ab 0000
0000 0000 0000 017e 0000 0007 002e 0000 0000 0000 00a9 0000 0215 0249 0054 0250
0000 021b 0000 0213 0091 014a 0000 0000 0000 0000 0000 0000 0000 03cb ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2056 2eff 0000 0000 0000 0000 0000 0101 0003 0000 0001 0001 0502
0001 0000 0000 0043 4332 3130 0000 0000 5341 3900 544f 4100 2020 2020 2020 2020
2020 0000 4e37 3734 4353 0000 0000 0036 3032 0000 0057 0000 0000 0020 0000 004f
4646 5620 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:46.440	28	8.94	3518	309	2		80.58	168.92	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:46.650	Radar Report Msg	0b01 001c 003b 4d68 1425 2a3b 0478 36f8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	56.66	3499	308	4			51.08	206.56	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4d68 0cc5 33a4 1c54 36ac 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	56.28	3532	310	4			53.59	207.95	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:46.770	Radar Report Msg	0b01 001c 003b 4d86 0d66 33fd 1c24 3730 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.28	3623	318	5			81.17	170.89	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 4d86 144b 2ab9 0524 389c 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:47.000	194	DDA77	2	4043	4043	1M	+328	-314	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4
-39.38	+13.88	289	41.75	3292 289	41.67	51.27	185.20	454	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
133	+15429	+15300	+15278	+14965	-60	+3	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:47.000	Active Track Maintenance Msg	1700 0058 0001 d3ad 0001 e22a 0001 dd76 003b 4c04 fbf7 fe19 ec50 06f0 0000 0000
		1756 e9a1 0018 cdca 29ac 0823 7fff 29c0 0001 0cd1 2e4d 2054 00c2 0000 0000 2de2
		041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0823 0007 0136 ffff 0172 003f 0204 0000
0000 0000 0000 0007 0000 0007 0000 0000 0000 0000 00ab 0000 0090 00b2 00c2 0000
0000 0000 0000 00c8 01da 00f5 0000 0000 0000 0000 0000 0000 0000 023d ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000 0100 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0005 2000 35ff 0000 0000 0000 0000 0000 0100 0000 0000 0001 0001 0102
0001 0000 0000 0043 4c4a 3335 0000 0000 4649 4d00 5656 5600 2020 2020 2020 2020
2020 0000 4444 4137 3700 0000 0000 0033 3535 0000 004d 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:47.000 51 2 1331 -199 +277 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-27.67 +22.01 308 35.31 3510 309 35.37 64.80 189.84 342 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
324 +31000 +31000 +31000 +31000 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0003 c8c0 0003 c8c0 0003 c8c0 003b 4cf8 0000 0000 f22a 0b01 0000 0000

f1ce 13c3 0000 db65 235f 02d9 7fff 235c 1d00 1033 2f76 1855 0033 0000 0000 2e40
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:47.000	400	2	4675		-198	-50			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-44.40	+32.29	306	54.86	3481 306	54.91	51.05	204.28	204	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
255	+14029	+13900	+13900	+13900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 b260 0001 b66a 0001 b260 003b 4cd9 fbf7 0000 e9cd 1025 0000 0000
		f1e6 fc6f 0000 d99b 36e8 09bd 7fff 36e8 0000 0cc3 3312 0e8b 0190 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:47.000	56	2	4752		-127	+183			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-29.68	+24.81	310	38.64	3525 310	38.67	63.39	193.31	223	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
325	+12029	+11900	+11900	+11900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 73e0 0001 77ea 0001 73e0 003b 4d0a fbf7 0000 f129 0c68 0000 0000
		f6f5 0d11 0000 dc5f 26ac 09ea 7fff 26b0 0000 0fd9 3054 0fe4 0038 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:47.000	384	2	1200		+98	+55			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-33.18	-0.66	269	33.13	3059 269	33.17	53.53	169.61	113	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
60	+5629	+5500	+5500	+5500	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 abe0 0000 afea 0000 abe0 003b 4afd fbf7 0000 ef69 ffab 0000 0000
0701 03f4 0000 bf33 212c 0280 7fff 2130 0000 0d62 2a67 080b 0180 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
01:04:46.770	30	1.63	3587	315	0				85.22	162.78	0			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:47.000	Radar Report Msg	0b01 001c 003b 4e3a 154e 28b2 00d0 380c 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
		4.97	3684	324	4				84.05	166.20	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4e3a 1503 298d 027c 3990 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.25	3674	323	1				83.86	166.45	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4e3a 14f7 299d 02a0 3968 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
3.31	3674	323	3				84.66	164.50	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4e3a 152a 2920 01a8 3968 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
4.88	3689	324	4				84.11	166.13	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4e3a 1507 2988 0270 39a4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
2.00	3845	338	0				85.61	162.98	0		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:47.010 Radar Report Msg 0b01 001c 003b 4ec6 1567 28bf 0100 3c14 0200 0000 0000 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	6.22	3865	340	2			85.17		167.80		2		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4ec6 154b 29f3 031c 3c64 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	1.91	3843	338	0			85.64		162.83		0		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 4ec6 1569 28b5 00f4 3c0c 0200 0000 0000 0000 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:47.090 322 N900RL 2 3601 3601 1Y +61 -200 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-9.52 +8.62 312 12.79 3550 312 12.82 78.77 172.56 210 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
162 +5929 +5800 +5805 +5567 -52 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:04:47.090 Active Track Maintenance Msg 1700 0058 0000 adfc 0000 b94a 0000 b56d 003b 4d28 fbf7 fe5f fb3e 044f 0000 0000
0466 f1b6 ffff dde8 0cd3 0781 7fff 0cd8 3239 13b1 2b24 0ef3 0142 0000 0000 0000
051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0781 008a 0122 ffff 01c2 0037 01b6 0000
0000 0000 0000 00ef 0000 0001 0001 0000 0000 0000 008f 0000 012b 00a5 0142 009b
0000 01c6 0000 01cb 000c 020d 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0100 0000 0000 0000 0000 0100 0000 0000 0001 0001 0702
0001 0000 0000 0031 474c 4634 0000 0000 504d 4400 5656 5600 2020 2020 2020 2020
2020 0000 4e39 3030 524c 0000 0000 0035 3736 0000 0059 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:47.090	392	2	7304		-259	+273			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-29.89	+26.11	311	39.64	3539 311	39.69	63.59	194.50	376	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
316	+24500	+24500	+24480	+24708	+55	+2	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0003 0427 0002 fda0 0002 fd04 003b 4d1a 0000 01bf f10e 0d0e 0000 0000 ed93 1373 0016 dd3e 27b1 0ec4 7fff 27b0 fbf7 0fe6 30a0 1acb 0188 0000 0000 9604 041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

END TIME START TIME TARGET REPORTS: LIVE SIMULATED VALID MODE-C: 0
01:04:46.980 01:04:42.380 RADAR-ONLY 112 0 0.0%
SENSOR = 2 BEACON-ONLY 0 0
RADAR & BEACON 0 0 VALID MODE-3/A: 0
TOTAL 112 0 0.0%

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:04:47.210 Sensor Sector Mark Msg 1715 000c 003b 4f84 0000 0200

TARGET REPORTS
STIME SN NM RANGE ACP ALT DEG X QUA NM BEACON Y ALT NM SYSTEM X COR NM SYSTEM Y PROC NM STR STAT SC TYP SYS
01:04:46.980 0 5.06 4011 353 3 86.36 166.59 3 RT 2

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:04:47.210 Radar Report Msg 0b01 001c 003b 4f84 1597 29a6 0288 3eac 0203 0300 0001 0203 1d00 0000

TRACKING DATA
TIME TRACK NUMBER AIRCRAFT ID/LINK SENSOR NUMBER ----BEACON CODE--- ASSIGNED REPORTED CONTROLLER KEYBOARD VELOCITY X KNOTS VELOCITY Y KNOTS LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:04:47.310 74 N40905 2 6701 6701 0 -62 +69 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY X DISPLAY NM DISPLAY Y DISPLAY NM PRED_AZIM AZI DEG PREDICTED RANGE NM SYSTEM ACP DEG SYSTEM RANGE NM SPEED X KNOTS SPEED Y KNOTS SPEED KNOTS ALTITUDE FIRMNESS: 10
-10.01 +16.69 329 19.45 3744 329 19.45 80.34 180.47 93 VALID ALTITUDE: YES
INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED DEGREES UNCORRECTED ALT FEET SMOOTHED ALT FEET PREDICTED ALT FEET VELOCITY Z FT/SEC ACCELERATION Z FT/SEC/SEC ALT SLID WINDOW
318 +10129 +10000 +10010 +10014 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

01:04:47.310 Active Track Maintenance Msg 1700 0058 0001 38f2 0001 3c8a 0001 38d6 003b 4e00 fbf7 0006 faff 0858 0000 0000
fb8e 04fa 0000 ea07 1372 0dc1 7fff 1378 0000 1416 2d1e 06ac 004a 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0dc1 0000 0064 0064 0064 058a 0094 0000
0000 0000 0000 0000 0000 0058 0005 0000 0000 0000 029c 0000 01cc 012f 004a 01c6
0000 0213 0000 0001 0134 005a 0000 0000 0000 0000 0000 0000 0000 00dc ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 9900 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
0001 0000 0000 0043 5032 3852 0000 0000 4d59 4600 4c48 5300 2020 2020 2020 2020
2020 0000 4e34 3039 3035 0000 0000 0035 3837 0000 0000 0000 0000 0020 0000 0056
3539 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:47.310	101	2	4661		+18	-91			RADAR-ONLY: NO

FIRMNESS: 15

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-6.22	-1.33	258	6.32	2947 259	6.36	79.42	162.13	93	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
168	+929	+800	+783	+842	+12	+0	00011

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 1a57 0000 1d0a 0000 187b 003b 4a71 fbf7 0067 fce4 ff56 0000 0000
		0152 f983 0000 b831 065c 09b1 7fff 065c 1be0 13db 2888 069f 0065 0000 0000 0000
		0403 0f00 0203 1000 0303 0100 0000 0100 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
01:04:47.110	1	11.09	4051	356	1		87.81	172.61	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:47.430	Radar Report Msg	0b01 001c 003b 5006 15f4 2b27 058c 3f4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
01:04:47.310	2	5.81	32	3	4		87.44	167.16	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:47.540	Radar Report Msg	0b01 001c 003b 506a 15dc 29ca 02e8 0080 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	6.16	140	12	2			88.45	167.13	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 506a 161d 29c8 0314 0230 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	1.09	115	10	0			86.08	162.50	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 506a 1585 28a0 008c 01cc 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.38	121	11	2			88.41	167.41	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 506a 161a 29da 0330 01e4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
10.34	195	17	1			91.14	170.52	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 506a 16c9 2aa1 052c 030c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
10.69	227	20	1			91.77	170.52	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:47.540	Radar Report Msg	0b01 001c 003b 50ce 16f1 2aa1 0558 038c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:47.650	358	2	7303		+276	+257			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X	DISPLAY NM	DISPLAY Y	DISPLAY NM	PRED_AZIM AZI DEG	PREDICTED RANGE NM	SYSTEM ACP	SYSTEM DEG	SYSTEM RANGE NM	SPEED X	SPEED NM	SPEED Y	SPEED NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES

+0.54 +18.52 1 18.50 14 1 18.51 90.92 179.39 377 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
47	+18700	+18700	+18724	+18891	+35	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:47.650	Active Track Maintenance Msg	1700 0058 0002 4e59 0002 4860 0002 4924 003b 4f99 0000 011f 0045 0942 0000 0000 13aa 124a 0000 00ec 1283 0ec3 0130 1288 0000 16bb 2cd9 1ada 0166 0000 0000 0000 081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR SYSTEM	SYSTEM PROC	STR	SC	TYP	SYS
01:04:47.430	3	10.56	227	20	3		91.69		170.42	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:47.650	Radar Report Msg	0b01 001c 003b 5146 16ec 2a9b 0548 038c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	27.59	374	33	5		106.08	180.42	5		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5146 1a85 2d1b 0dcc 05d8 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:47.750	460	EJA631	2	4757	4757	0	-269	-153	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+3.34	+25.80	7	25.96	84 7	26.02	95.52	185.89	310	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
240	+11529	+11400	+11400	+11199	-43	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:47.750	Active Track Maintenance Msg	1700 0058 0001 5dfd 0001 684a 0001 6443 003b 4fe2 fbf7 fea4 01ac 0ce6 0000 0000
		ecd2 f514 0000 0542 1a04 09ef 0540 1a04 0000 17e1 2e79 1613 01cc 0000 0000 0157
		0a1f 2600 0201 1000 0303 0100 0000 0000 0000 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09ef 0000 0172 ffff ffff 003c 026d 0000
		0000 0000 0000 0001 0001 0001 0001 0000 0000 0000 009a 0000 003e 01bd 01cc 01a5
		0000 01e5 0000 01c8 005b 0124 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2fff 0100 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0702
0001 0000 0000 0031 4335 3658 0000 0000 504d 4400 564e 5900 2020 2020 2020 2020
2020 0000 454a 4136 3331 0000 0000 0039 3135 0000 0000 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:47.540	4	27.09	339	30	3				104.70	181.13	3				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:47.760	Radar Report Msg	0b01 001c 003b 51b4 1a2d 2d48 0d8c 054c 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:47.870	491	2	2734		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+32.26	-21.73	124	38.86	1410 124	38.89	111.42	132.61	126	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+929	+800	+0	+929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:47.870	Active Track Maintenance Msg	1700 0058 0000 1d0a 0000 1d0a 0000 0000 0000 0000 fbf7 0000 1021 f522 0000 0000 0000 0000 0000 5828 26e5 05dc 5828 26e5 0000 1bdb 2127 0901 01eb 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	7.25	488	43	2		91.72	165.63	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:47.870	Radar Report Msg	0b01 001c 003b 5218 16ee 2968 03a0 07a0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	7.22	467	41	1		91.58	165.80	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5218 16e5 2973 039c 074c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	7.41	515	45	1					92.02	165.45	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5218 1701 295d 03b4 080c 0201 0100 0001 0000 1d00 0000
01:04:48.180	Delete Track Msg	1704 0008 01f0 0110

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
01:04:47.860	6	4.03	732	64	7				89.39	162.53	7			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:48.180	Radar Report Msg	0b01 001c 003b 52f4 1659 28a2 0204 0b70 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	3.59	714	63	1			88.89	162.53	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 52f4 1639 28a2 01cc 0b28 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	3.66	697	61	2			88.94	162.63	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:48.190	Radar Report Msg	0b01 001c 003b 52fe 163c 28a8 01d4 0ae4 0202 0200 0001 0103 1d00 0000
01:04:48.190	Delete Track Msg	1704 0008 01d0 0710

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:47.980	7	3.91	775	68	2		89.28	162.28	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:48.200	Radar Report Msg	0b01 001c 003b 5362 1652 2892 01f4 0c1c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:48.180	8	5.28	974	86	4		90.70	160.94	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:48.420	Radar Report Msg	0b01 001c 003b 5434 16ad 283c 02a4 0f38 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:48.530	6	2	1274	+1	+9				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+37.55	+17.89	64	41.54	733 64	41.60	126.61	169.64	10	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
8	-770	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:48.530	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e7eb ffff e3e1 003b 52bd fbf7 0000 12c6 08f2 0000 0000
		001d 00b6 0000 2dd6 2999 02bc 2de0 2998 0000 1fa7 2a69 00b9 0006 0000 0000 3fd8
		0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:48.640	248		2	0772			-240	-84	RADAR-ONLY: NO

FIRMNESS: 35

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+57.27	-1.67	91	57.27	1043 92	57.29	140.69	145.73	255	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
250	+15929	+15800	+15816	+15732	-23	-2	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:48.640	Active Track Maintenance Msg	1700 0058 0001 eba1 0001 f1ca 0001 ee45 003b 5419 fbf7 ff43 1ca3 ff2a 0000 0000
		eee1 f9f7 ffee 4134 394a 01fa 4130 394c 1cbe 232c 246f 1228 00f8 0000 0000 0000
		041f 2300 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:48.640	59		2		+264		+415		RADAR-ONLY: NO

FIRMNESS: 12

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: NO
+42.54	+31.31	53	52.79	610 54	52.82	134.67	181.28	492	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
32	CST	CST	+27102	+27162	+12	+0	01100

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0003 50d0 0003 4bc0 0003 4ef3 003b 1bfa 0000 0067 1545 0fa8 0000 0000
12d6 1d89 0000 2626 34d2 0e90 26b0 3310 0000 21ab 2d52 2308 003b 0000 0000 0ca0
030c 0c00 0203 1001 0303 0000 0000 0001 0100 0000 0100 0101

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X NM	Y NM	STAT					
01:04:48.430	10	38.47	1121	99	5			121.08	146.70	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:48.650	Radar Report Msg	0b01 001c 003b 5524 1e45 24ad 133c 1184 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X NM	Y NM	STAT					
	45.41	1131	99	4				127.17	143.33	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 552e 1fcb 23d5 16b4 11ac 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	3.03	1171	103	3				88.03		160.64	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 552e 1602 2829 0184 124c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	7.28	1164	102	3				92.09		158.61	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 552e 1706 27a7 03a4 1230 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	7.56	1173	103	4				92.30		158.39	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 552e 1713 2799 03c8 1254 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	2.91	1123	99	0				87.97		160.88	0		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:48.750 Radar Report Msg 0b01 001c 003b 554c 15fe 2838 0174 118c 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	2.91	1146	101	0			87.94		160.80		0		RT		2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 554c 15fc 2833 0174 11e8 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	7.69	1170	103	4			92.42		158.36		4		RT		2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 554c 171b 2797 03d8 1248 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.31	1260	111	4				90.73	158.30	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:48.760	Radar Report Msg	0b01 001c 003b 5588 16af 2793 0328 13b0 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.25	1271	112	2				89.78	158.88	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5588 1672 27b8 02a0 13dc 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.31	1234	108	3				90.88	158.50	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5588 16b8 27a0 0328 1348 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
41.66	1242	109	4				120.33	138.66	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 5588 1e15 22aa 14d4 1368 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM STAT	SYSTEM COR	SYSTEM	PROC	STR	SC	TYP	SYS
42.03	1267	111	4			119.72	137.14	4		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5588 1dee 2249 1504 13cc 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM STAT	SYSTEM COR	SYSTEM	PROC	STR	SC	TYP	SYS
11.16	1246	110	7			94.89	155.63	7		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5588 17b9 26e8 0594 1378 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	22.50	1301	114	5			103.19	147.70	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5588 19cc 24ed 0b40 1454 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	31.28	1368	120	7			107.88	139.78	7		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5588 1af8 22f2 0fa4 1560 0207 0700 0003 0302 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:48.850	527	2	4676	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+24.06	-26.08	137	35.47	1562 137	35.48	102.39	130.50	92	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
0	+1929	+1800	+0	+1929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:48.850	Active Track Maintenance Msg	1700 0058 0000 3c4a 0000 3c4a 0000 0000 0000 0000 fbf7 0000 0c08 f2f6 0000 0000

0000 0000 0000 61a3 237b 09be 61a3 237b 0000 1999 20a0 0696 020f 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:48.970	523	2		0646		-222	-91		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+38.45	-2.06	93	38.49	1058	93	38.48	122.38	150.13	240 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
247	+12329	+12200	+12179	+12119	-12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:48.970	Active Track Maintenance Msg	1700 0058 0001 7abd 0001 814a 0001 7c9e 003b 542b fbf7 ff99 1339 fef8 0000 0000
		f02b f980 0000 4226 267a 01a6 4230 2680 0002 1e98 2588 111d 020b 0000 0000 5524
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:48.970 519 2 1631 -157 -99 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+49.92 -10.88 102 51.04 1164 102 51.10 131.28 138.67 186 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
237 +8029 +7900 +7900 +7900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 f6e0 0000 faea 0000 f6e0 003b 54a1 fbf7 0000 18f6 fa8f 0000 0000
f4d4 f8e8 0000 48c0 3319 0399 48c0 3318 1d00 20d2 22ab 0d3c 0207 0000 0000 2483
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: DEP
01:04:48.970 394 N121NA 2 1320 1320 1V -133 +5 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 6
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+16.91 -3.06 100 17.15 1140 100 17.20 101.33 154.59 133 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
272 +5929 +5800 +5799 +5793 -1 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 b509 0000 b94a 0000 b53c 003b 5487 fbf7 fff6 0875 fe78 0000 0000
f686 005d 0000 4747 1132 02d0 4750 1130 0b01 1955 26a6 097b 018a 0000 0000 0928
061f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 02d0 0005 003c 003c 003c 0000 023d 0000
0000 0000 0000 0000 0000 0024 0003 0000 0000 0000 02db 0000 001a 015e 018a 0099
018b 0027 0000 0113 0248 0168 0000 0000 0000 0000 0000 0000 0000 020e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 a4ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5041 3434 0000 0000 5241 4c00 5344 3800 2020 2020 2020 2020
2020 0000 4e31 3231 4e41 0000 0000 0036 3932 0000 0056 0000 0000 0020 0000 0046
3036 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

01:04:48.970 Delete Track Msg 1704 0008 003b 0210

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:48.970	321	2	4665		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+43.58	-3.46	94	43.70	1075 95	43.71	127.02	147.39	145	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2129	+2000	+0	+2129	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:48.970	Active Track Maintenance Msg	1700 0058 0000 428a 0000 428a 0000 0000 0000 0000 fbf7 0000 15ca fe45 0000 0000
		0000 0000 0000 433a 2bb7 09b5 433a 2bb7 0000 1fc1 24d9 0a5a 0141 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:49.080	339	2	2201		-166	-83			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
+46.44	-13.93	106	48.46	1213 107	48.46	127.14	136.61	186	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
243	+8029	+7900	+7891	+7889	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:49.080 Active Track Maintenance Msg 1700 0058 0000 f68e 0000 faea 0000 f69e 003b 54d9 fbf7 fffd 1738 f909 0000 0000
f422 fa11 0000 4bd8 3077 0481 4be0 307c 0000 1fc9 2227 0d44 0153 0000 0000 0000
091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:49.080	298	2		0771			-213	-86	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+25.64	-7.18	105	26.59	1202 106	26.66	108.72	148.42	230	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
248	+8829	+8700	+8708	+8644	-14	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 0e21 0001 13ea 0001 1027 003b 54cc fbf7 ff90 0cd2 fc69 0000 0000
f0d3 f9dc 0000 4b22 1aa9 01f9 4b20 1aa0 1be0 1b2e 251b 1060 012a 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:49.080 389 2 1654 -160 +96 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 9
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+40.30 -13.73 108 42.51 1238 109 42.58 121.27 138.36 187 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
301 +6229 +6100 +6104 +6004 -21 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 bba7 0000 c2aa 0000 bec6 003b 54f4 fbf7 ff53 1427 f923 0000 0000
f493 06e2 0000 4d69 2a94 03ac 4d60 2a94 0000 1e51 2297 0d57 0185 0000 0000 0000
091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:49.080 207 N8451R 2 4647 4647 1X -102 +32 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+5.04 -2.63 117 5.64 1341 118 5.69 89.92 158.06 107 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
287	+6029	+5900	+5900	+5900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 b860 0000 bc6a 0000 b860 003b 5565 fbf7 0000 0285 feb0 0000 0000 f8b5 0253 0000 53d9 05b1 09a7 53a0 05b0 0000 167b 2784 07a8 00cf 0000 0000 0000 0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09a7 0015 003c 003c 003c 0028 0068 0000
0000 0000 0000 0000 0000 0026 0001 0000 0000 0000 00b0 0000 0037 00e1 00cf 0041
0000 0044 0000 01bb 0036 00bd 0000 0000 0000 0000 0000 0000 0000 020c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5032 3841 0000 0000 504f 4300 5656 5600 2020 2020 2020 2020
2020 0000 4e38 3435 3152 0000 0000 0036 3633 0000 0058 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:49.080 590 2 4624 -27 -101 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 9
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+33.67 -16.50 116 37.45 1321 116 37.53 114.16 137.36 105 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
195 +2929 +2800 +2795 +2790 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 5733 0000 5b8a 0000 5759 003b 5552 fbf7 fff9 10d6 f7c0 0000 0000

fe10 f8c9 0000 529a 2587 0994 5290 2580 0000 1c8a 2257 0778 024e 0000 0000 0000
091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:48.770	12	39.81	1443	127	7		110.52	130.70	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:49.080	Radar Report Msg	0b01 001c 003b 5678 1ba1 20ad 13e8 168c 0207 0700 0005 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		24.25	1532	135	5		98.11	141.03	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5678 1887 2342 0c20 17f0 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	25.59	1480	130	5			100.50	140.98	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5678 1920 233f 0ccc 1720 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	18.09	1523	134	3			95.17	146.47	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:49.100	Radar Report Msg	0b01 001c 003b 56c8 17cb 249e 090c 17cc 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:49.190	451	2	3220	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+4.06	-15.28	165	15.78	1878 165	15.81	85.81	146.03	139	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+529	+400	+0	+529	+0	+0		11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:49.190	Active Track Maintenance Msg	1700 0058 0000 108a 0000 108a 0000 0000 0000 0000 fbf7 0000 0208 f85c 0000 0000

0000 0000 0000 7569 0fcf 0690 7569 0fcf 0000 1574 2482 09ed 01c3 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:49.190	245	2	5266		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+44.48	-6.76	98	44.95	1122	99	44.98	127.05	143.97	145 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+4029	+3900	+0	+4029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 7dea 0000 7dea 0000 0000 0000 0000 fbf7 0000 163d fc9f 0000 0000
		0000 0000 0000 4624 2cfc 0ab6 4624 2cfc 0000 1fc3 23fe 0a5a 00f5 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:49.190	155	2	3275		+93	+166			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+28.97	-20.01	124	35.18	1417 125	35.21	108.72	135.17	191	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
29	+5029	+4900	+4900	+4900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:49.190	Active Track Maintenance Msg	1700 0058 0000 9920 0000 9d2a 0000 9920 003b 55bf fbf7 0000 0e7c f5ff 0000 0000 06a5 0bdf 0000 5890 2337 06bd 58a0 2334 0000 1b2e 21cb 0d9b 009b 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:49.190	278	2	4613		+244	+57			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+21.45	-20.41	133	29.57	1520 134	29.63	101.33	136.67	250	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
76	+6029	+5900	+5899	+5899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 b85b 0000 bc6a 0000 b85c 003b 5632 fbf7 0000 0ab9 f5cb 0000 0000
1160 0413 0000 5f02 1da2 098b 5f00 1d9c 0001 1955 222b 11d8 0116 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:49.190	424		2			-243	-234		RADAR-ONLY: NO

FIRMNESS: 24

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: NO
+49.31	+7.28	81	49.84	928 82	49.85	135.22	156.41	337	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
226	CST	CST	+18921	+18661	-57	+0	11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 472b 0002 4ea0 0002 4f4d 003b 419c 0000 fe36 18a8 03a4 0000 0000
		eeb1 ef5b fffe 3a05 31da 0983 39d0 3234 0000 21ce 271a 1803 01a8 0000 0000 0101
		061f 1800 0203 1001 0303 0000 0000 0001 0100 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:04:49.080	14	4.00	1716	151	2		86.67		158.30	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 57b8 15ab 2793 0200 1ad0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	5.03	1763	155	1			86.63		157.16	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:49.310	Radar Report Msg	0b01 001c 003b 57c2 15a8 274a 0284 1b8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	4.09	1785	157	4			86.31		158.11	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 57c2 1594 2787 020c 1be4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM				ALT	X	NM	Y	NM	STAT					
	23.16	1811	159	3			88.23	138.88	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 57c2 160f 22b8 0b94 1c4c 0203 0300 0004 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM				ALT	X	NM	Y	NM	STAT					
	22.31	1779	156	3			89.23	139.86	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 57c2 164f 22f7 0b28 1bcc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM				ALT	X	NM	Y	NM	STAT					
	4.09	1811	159	3			86.17	158.09	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 57c2 158b 2786 020c 1c4c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	4.03	1875	165	1					85.80	158.14	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 57c2 1573 2789 0204 1d4c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:49.410	561	2	4745	-155	+108				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+14.27	-15.64	137	21.14	1565	138 21.16	95.59	143.11	190	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
305	+4529	+4400	+4372	+4313	-12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:49.410	Active Track Maintenance Msg	1700 0058 0000 86c9 0000 8d8a 0000 88a2 003b 5665 fbf7 ff9a 0722 f82e 0000 0000
		f4e9 07bc 0000 61da 152a 09e5 61e0 152c 0000 17e6 23c7 0d85 0231 0000 0000 0000
		061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED:

NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:49.410 437 2 1200 +1 -80 RADAR-ONLY: NO
FIRMNESS: 33
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 9
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+11.62 -1.74 98 11.68 1121 99 11.75 96.56 157.22 80 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
178 +1729 +1600 +1600 +1600 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 3200 0000 360a 0000 3200 003b 5471 fbf7 0000 05cf ff21 0000 0000 001e fa42 0000 4616 0bc0 0280 4610 0bc0 a00d 1824 274e 05be 01b5 0000 0000 00d1 091f 2100 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:49.510	555	2	3507		+83	+179			RADAR-ONLY: NO

FIRMNESS: 30

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
+25.71	-25.55	134	36.19	1534 135	36.25	104.16	130.63	198	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
24	+5029	+4900	+4900	+4900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:49.510	Active Track Maintenance Msg	1700 0058 0000 9920 0000 9d2a 0000 9920 003b 5641 fbf7 0000 0cdb f33a 0000 0000 05eb 0cca 0000 5fe8 2440 0747 5fe0 2440 0706 1a0a 20a8 0e18 022b 0000 0000 3d28 081f 1e00 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:49.510	55	2	7230		-213	-74			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+11.23	-12.50	138	16.77	1574 138	16.79	93.47	146.91	226	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
250	+3129	+3000	+3022	+2821	-50	-3	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 582e 0000 61ca 0000 5e74 003b 566b fbf7 fe6a 059e f9c0 0000 0000
f0cb faaf ffe8 6264 10cb 0e98 6230 10d0 ffff 175e 24ba 101c 0037 0000 0000 ff33
041f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:49.510	329	2	4657		-142	+180			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+22.06	-22.06	135	31.20	1535 135	31.21	101.52	134.94	230	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
321	+7029	+6900	+6900	+6900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 d7a0 0000 dbaa 0000 d7a0 003b 5644 fbf7 0000 0b08 f4f8 0000 0000
f5d7 0cd5 0000 5fff 1f36 09af 6000 1f34 0004 1961 21bc 105e 0149 0000 0000 00c3
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:49.510 160 2 4645 +260 +282 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+7.19 -9.41 142 11.81 1626 143 11.84 90.22 151.19 384 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
42 +16829 +16700 +16685 +16855 +37 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0002 0ebf 0002 0dea 0002 0968 003b 56a5 fbf7 0129 0398 fb4c 0000 0000
128f 1414 0000 65a3 0bd8 09a5 6570 0bd8 0153 168e 25cc 1b58 00a0 0000 0000 249e
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:49.510 98 2 3253 -176 -49 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 6
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+7.57 -12.98 149 14.98 1707 150 15.10 89.80 147.38 183 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
254	+2929	+2800	+2776	+2629	-30	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 522f 0000 5b8a 0000 56c7 003b 5701 fbf7 ff09 03c9 f982 0000 0000 f36f fc73 0003 6ab0 0f1a 06ab 6a80 0f08 0005 1673 24d8 0d0f 0062 0000 0000 0700 061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:49.510	176	2	4772		+161	+1			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+6.40	-9.74	146	11.59	1667 147	11.61	89.48	150.81	161	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
89	+3829	+3700	+3675	+3613	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 70e9 0000 77aa 0000 72de 003b 56d9 fbf7 ff94 0333 fb21 0000 0000
		0b80 0017 0000 683c 0b9d 09fa 6850 0ba8 0ac4 165f 25b4 0b80 00b0 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:49.510	7	2	1275		+3	+6			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+41.67	-14.40	109	44.04	1241 109	44.09	122.39	137.38	7	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
24	+0	+0	+0	+0	+0		00000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 0000 0000 0000 0000 0000 003b 54f8 0000 0000 14d6 f8cd 0000 0000
0039 007b 0000 4d91 2c18 02bd 4d90 2c18 0003 1e99 2258 0088 0007 0000 0000 cf82
0000 2600 0203 1000 0300 0100 0000 0001 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:49.170	15	10.03	1890	166	7		85.63	151.94	7		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 588a 1568 25fc 0504 1d88 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		6.47	1887	166	4		85.70	155.58	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 588a 156d 26e5 033c 1d7c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
6.63	1891	166	1			85.67	155.41	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 588a 156b 26da 0350 1d8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
59.78	1947	171	4			79.73	102.41	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 588a 13ef 199a 1de4 1e6c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
26.47	1971	173	3			82.13	135.67	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 588a 1488 21eb 0d3c 1ecc 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:49.630	310	2	1051		+449	+109			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PREDICTED DEG	RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES

+13.42 -30.28 156 33.07 1776 156 33.13 91.05 129.38 462 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
76	+24000	+24000	+23974	+24143	+36	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:49.630	Active Track Maintenance Msg	1700 0058 0002 f27b 0002 ee00 0002 ed37 003b 5752 0000 0125 06b6 f0dc 0000 0000 1ff3 07d2 0000 6f00 2121 0229 6f00 2120 0000 16c3 2058 20e4 0136 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK	AIRCRAFT	SENSOR	----BEACON CODE---		CONTROLLER	VELOCITY	VELOCITY	LIVE/SIMULATED:
	NUMBER	ID/LINK	NUMBER	ASSIGNED	REPORTED	KEYBOARD	X KNOTS	Y KNOTS	ARR/DEP/OVERFLIGHT:
01:04:49.630	530	2	4643	-270	+184		RADAR-ONLY: NO		

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID
+17.77	-40.58	156	44.27	1778 156	44.29	92.66	118.22	327	ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
304	+20000	+20000	+20000	+20000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 7100 0002 7100 0002 7100 003b 5755 0000 0000 08e2 ebb6 0000 0000 ecc8 0d25 0000 6f26 2c4b 09a3 6f30 2c4c 0000 172a 1d8e 1748 0212 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK	AIRCRAFT	SENSOR	----BEACON CODE---		CONTROLLER	VELOCITY	VELOCITY	LIVE/SIMULATED:
	NUMBER	ID/LINK	NUMBER	ASSIGNED	REPORTED	KEYBOARD	X KNOTS	Y KNOTS	ARR/DEP/OVERFLIGHT:
01:04:49.630	406	2	4622	-156	+2		RADAR-ONLY: NO		

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID
+9.07	-21.98	157	23.73	1792 158	23.80	88.97	138.30	156	ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
271	+3929	+3800	+3809	+3803	-1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 76dc 0000 7aca 0000 770f 003b 5765 fbf7 fff6 0489 f503 0000 0000
f4e8 0031 0000 7009 17cd 0992 7010 17c8 0003 163e 2293 0b18 0196 0000 0000 0ede
061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:49.630	319		2		+41	+15			RADAR-ONLY: NO

FIRMNESS: 35

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: NO
+0.56	-0.25	114	0.61	1293 114	0.62	86.25	161.45	44	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
69	CST	CST	+624	+658	+7	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 1492 0000 16ca 0000 1386 003b 43b8 fbf7 003a 0048 ffe0 0000 0000
		02f4 0119 0000 50d8 009e 09d5 57d0 0084 a010 1590 285d 0326 013f 0000 0000 00d1
		061f 2300 0203 1001 0303 0000 0000 0001 0100 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:49.730	328	2	6655		+0	+0			RADAR-ONLY: NO
									FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+17.83	-20.99	139	27.49	1589 140	27.54	97.66	137.00	137	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+629	+500	+0	+629	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:49.730	Active Track Maintenance Msg	1700 0058 0000 13aa 0000 13aa 0000 0000 0000 0000 fbf7 0000 08ea f581 0000 0000
		0000 0000 0000 6350 1b8a 0dad 6350 1b8a 0000 186a 2240 09cf 0148 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
01:04:49.510	17	4.16	2003	176	1				85.05	158.08	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:49.740	Radar Report Msg	0b01 001c 003b 595c 1543 2785 0214 1f4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
5.13	2069	182	4				84.38		157.17	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 595c 1518 274b 0290 2054 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT NM	Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
5.00	2123	187	6				84.05		157.42	6		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 595c 1503 275b 0280 212c 0206 0600 0003 0202 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	5.34	2096	184	4			84.11		157.02	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 595c 1507 2741 02ac 20c0 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	31.81	2158	190	7			72.67		132.89	7		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:49.750	Radar Report Msg	0b01 001c 003b 5966 122b 2139 0fe8 21b8 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	4.44	2218	195	1			83.72		158.25	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5966 14ee 2790 0238 22a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	20.28	2137	188	4			78.03		143.16	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 5966 1382 23ca 0a24 2164 0204 0400 0004 0101 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:49.850	580	2	4614		-50	+69			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
-1.01	-17.25	183	17.28	2086 183	17.29	80.44	145.42	85	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
324	+5029	+4900	+4919	+4935	+3	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:49.850	Active Track Maintenance Msg	1700 0058 0000 9a38 0000 9d2a 0000 99ba 003b 58ae fbf7 001b ff7f f760 0000 0000
		fc6c 04f6 0000 8265 114b 098c 7fff 1148 0000 141c 245b 061d 0244 0000 0000 0000
		071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:49.740	19	4.44	2243	197	1		83.59	158.33	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:49.950	Radar Report Msg	0b01 001c 003b 5a4c 14e6 2795 0238 230c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:50.070	49	2	6311	+355	+28				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
-4.97	-44.82	186	45.08	2118	186	45.08	69.63	119.78	357 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
85	+9429	+9300	+9306	+9225	-18	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:50.070	Active Track Maintenance Msg	1700 0058 0001 204c 0001 26aa 0001 22d3 003b 58d5 fbf7 ff70 fd84 e997 0000 0000 194e 020e ffff 846f 2d14 0cc9 7fff 2d18 0000 1168 1df2 1963 0031 0000 0000 0000 051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:50.070	532	2	7234	-76	-218				RADAR-ONLY: NO

FIRMNESS: 34

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
-2.67	-18.58	188	18.75	2140 188	18.73	78.48	144.56	231	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
199	+3629	+3500	+3509	+3688	+38	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 7340 0000 716a 0000 6da9 003b 58ec fbf7 0136 feaa f6b6 0000 0000
		fa8e f073 0000 85c9 12ba 0e9c 7fff 12c4 1be0 139f 2424 107a 0214 0000 0000 0000
		0a1f 2200 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:50.070	449	2		7242	-316	+153			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-5.45	-31.38	189	31.84	2159 190	31.86	72.75	133.28	351	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
295	+33000	+33000	+32996	+32995	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 071c 0004 0740 0004 0726 003b 5902 0000 ffff fd47 f050 0000 0000
		e97f 0aed 0000 86fd 1fdd 0ea2 7fff 1fd8 0000 1230 2152 1904 01c1 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:50.070	173	2		6307	+528	-215			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-4.21	-15.49	195	15.99	2221 195	16.05	78.22	148.70	570	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
112	+32900	+32900	+32916	+32832	-23	-2	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0004 0201 0004 0420 0004 04a5 003b 5946 0000 ff43 fde5 f841 0000 0000
2597 f0b0 ffee 8ad0 100d 0cc7 7fff 1010 1a24 138e 252d 2897 00ad 0000 0000 0000
041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:50.070	379	2	6312		+250	+36			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
-2.29	-12.38	190	12.57	2165 190	12.62	80.44	150.48	252	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
81	+6929	+6800	+6809	+6639	-37	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 cf7c 0000 d88a 0000 d4c9 003b 5909 fbf7 fed4 fedb f9cf 0000 0000
		11ca 0298 fffe 8754 0c9e 0cca 7fff 0c98 0000 141c 259f 11fa 017b 0000 0000 0000
		051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:04:50.080	22	5.56	2531	222	1		81.30	158.95	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:50.300	Radar Report Msg	0b01 001c 003b 5b28 1453 27bd 02c8 278c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
		5.56	2506	220	1		81.41	158.78	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5b32 145a 27b2 02c8 2728 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
		5.97	2583	227	4		80.70	159.11	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:50.300	Radar Report Msg	0b01 001c 003b 5b96 142d 27c7 02fc 285c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
	6.78	2632	231	4						79.75		159.16	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5b96 13f0 27ca 0364 2920 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
	8.69	2659	234	3						77.83		158.69	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5b96 1375 27ac 0458 298c 0203 0300 0001 0203 1d00 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:50.390 219 2 1060 -394 -120 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-5.70 -19.53 196 20.31 2232 196 20.36 75.73 145.08 412 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
253 +35000 +35000 +34996 +34995 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:04:50.390 Active Track Maintenance Msg 1700 0058 0004 459a 0004 45c0 0004 45a0 003b 5954 0000 0000 fd27 f63c 0000 0000
e3f8 f766 0000 8b8c 145d 0230 7fff 1458 003a 12ef 2445 1d52 00db 0000 0000 0100
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:50.390 361 2 1022 -77 -266 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-6.04 -19.68 197 20.52 2247 198 20.59 74.95 144.34 277 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
196 +6629 +6500 +6522 +6886 +78 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 d730 0000 cf2a 0000 cbd1 003b 595e fbf7 0277 fcfb f629 0000 0000
fa86 ed14 0000 8c75 1496 0212 7fff 1498 0001 12bd 2416 13b3 0169 0000 0000 0100
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:50.390	586	2	4673		+308	-10			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-12.76	-12.18	226	17.59	2573 226	17.62	70.41	153.33	309	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
92	+10029	+9900	+9903	+9904	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:50.390	Active Track Maintenance Msg	1700 0058 0001 3585 0001 396a 0001 357e 003b 5ad4 fbf7 0002 f99f f9e9 0000 0000
		15f9 ff3e 0000 a0d4 119f 09bb 7fff 11a4 0000 119a 2655 15fc 024a 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:50.390	8	2	1273	-10	+7				RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-37.73	-33.26	228	50.26	2602 229	50.28	40.86	139.23	13	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC WINDOW
304	-899	-899	-899	-899	+0	+0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e3e1 ffff e3e1 003b 5af2 0000 0000 ed23 ef5f 0000 0000
		ff38 0089 0000 a2a4 3248 02bb 7fff 324c 0000 0a37 22cf 00f3 0008 0000 0000 0000
		0a1f 2603 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	22.00	2699	237	3			64.92	155.02	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:50.390	Radar Report Msg	0b01 001c 003b 5bf0 103b 26c1 0b00 2a2c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	7.22	2658	234	3				79.23		159.23	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5bf0 13cf 27cf 039c 2988 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	30.03	2666	234	3				57.78		151.09	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5bf0 0e72 25c6 0f04 29a8 0203 0300 0003 0003 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
8.03	2659	234	1		78.45	158.94	1		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5bf0 139d 27bc 0404 298c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
7.88	2692	237	2		78.47	159.36	2		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5bf0 139e 27d7 03f0 2a10 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
15.75	2747	241	2		70.56	158.08	2		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5bf0 11a4 2785 07e0 2aec 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
9.66	2734	240	2		76.58	159.36	2		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 5bf0 1325 27d7 04d4 2ab8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	8.75	2745	241	4			77.42		159.75	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5bf0 135b 27f0 0460 2ae4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	2.00	2795	246	5			84.61		161.64	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5bf0 1527 2869 0100 2bac 0205 0500 0003 0102 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:50.280	23	12.00	2835	249	3		73.95		160.56	3					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:50.510	Radar Report Msg	0b01 001c 003b 5c72 127d 2824 0600 2c4c 0203 0300 0001 0203 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:50.730	275	2	0257	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+35.81	+0.91	88	35.82	1007	89	35.82	120.63	153.59	135	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1629	+1500	+0	+1629	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:50.730	Active Track Maintenance Msg	1700 0058 0000 32ea 0000 32ea 0000 0000 0000 0000 fbf7 0000 11e8 0074 0000 0000 0000 0000 0000 3ef8 23d2 00af 3ef8 23d2 0000 1e28 2666 099d 0113 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:50.490	24	15.50	2999	264	4		70.52		164.05	4					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:50.730	Radar Report Msg	0b01 001c 003b 5d3a 11a1 2903 07c0 2edc 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:50.620	25	22.09	3011	265	3			64.03		165.39	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:50.840	Radar Report Msg	0b01 001c 003b 5d4e 1002 2959 0b0c 2f0c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		13.75	3117	274	4			72.83		166.19	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5d58 1235 298c 06e0 30b4 0204 0400 0001 0303 1d00 0000

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:50.950	304		2	7342	-321	+158			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-33.65	-17.79	242	38.02	2754 242	38.08	49.14	153.27	358	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
296	+35000	+35000	+35000	+34999	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:50.950	Active Track Maintenance Msg	1700 0058 0004 45bf 0004 45c0 0004 45c0 003b 5b9f 0000 0000 ef2d f71b 0000 0000 e92c 0b4a 0000 ac2c 2615 0ee2 7fff 2610 4017 0c49 2651 1978 0130 0000 0000 002c 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:50.950	87	CPF420	2	4664	4664	1X	+118	-39	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
-3.25	-1.10	251	3.42	2856 251	3.45	82.42	161.59	125	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
108	+5129	+5000	+4994	+5001	+1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 9c4b 0000 a04a 0000 9c14 003b 5c12 fbf7 000c fe60 ff73 0000 0000
0870 fd2c 0000 b289 0372 09b4 7fff 0370 5858 149b 2866 08e6 0057 0000 0000 0a5c
051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09b4 0015 0032 0032 0032 003c 017c 0000
0000 0000 0000 0000 0000 0001 0026 0000 0000 0000 00ed 0000 01b0 009b 0057 0201
0000 016b 0000 0010 0184 0185 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2eff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 4332 3036 0000 0000 5748 5000 544f 4100 2020 2020 2020 2020
2020 0000 4350 4634 3230 0000 0000 0035 3634 0000 0058 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:50.950	545	2	4706	-145	-27				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-25.24	-6.48	255	26.00	2906 255	26.07	59.72	161.95	148	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
259	+4029	+3900	+3900	+3900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 79e0 0000 7dea 0000 79e0 003b 5c4b fbf7 0000 f361 fcc3 0000 0000
		f59f fe05 0000 b5ae 1a13 09c6 7fff 1a10 031c 0eee 287d 0a91 0221 0000 0000 0001
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:50.950	591	2	0260	+49	+73				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-7.02	-1.69	256	7.20	2918 257	7.23	78.56	161.98	88	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
33	+1929	+1800	+1797	+1798	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 3835 0000 3c4a 0000 382e 003b 5c56 fbf7 0001 fc7e ff28 0000 0000
037e 053b 0000 b66a 073c 00b0 7fff 0738 0000 13a4 287f 064a 024f 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: OVR
01:04:50.950	274	N8063T	2	4763	4763	1V	+125	+32	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
-15.59	-2.83	259	15.81	2954 260	15.85	70.02	163.05	129	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
75	+7029	+6900	+6907	+6911	+1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 d7ff 0000 dbaa 0000 d7db 003b 5c80 fbf7 0008 f835 fe96 0000 0000 08ef 0251 0000 b8a7 0fd9 09f3 7fff 0fd8 0000 1181 28c3 093b 0112 0000 0000 0000 091f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 09f3 0005 0032 ffff 0032 002c 022a 0000 0000 0000 0000 01f0 0000 0003 0015 0000 0000 0000 00ae 0000 0070 0245 0112 00cb 0000 002d 0000 0194 0133 00ba 0000 0000 0000 0000 0000 0000 0000 042f ffff 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000 0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0006 2000 00ff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102 0001 0000 0000 0036 5041 3332 0000 0000 4f58 5200 4844 4600 2020 2020 2020 2020 2020 0000 4e38 3036 3354 0000 0000 0030 3030 0000 0056 0000 0000 0020 0000 0000 0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM X NM	COR Y	SYSTEM Y NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	13.13	3139	276	1			73.58			166.41		1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:50.950	Radar Report Msg	0b01 001c 003b 5e2a 1265 299a 0690 310c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM X NM	COR Y	SYSTEM Y NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	13.44	3123	274	1			73.17			166.20		1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5e2a 124b 298d 06b8 30cc 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	10.13	3244	285	4			77.09		166.80		4		RT		2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5e2a 1346 29b3 0510 32b0 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:51.170	297	2	1056	-17	+93				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-41.32	-0.95	268	41.32	3058 269	41.32	45.59	171.39	95	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
349	+6629	+6500	+6496	+6551	+11	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:51.170	Active Track Maintenance Msg	1700 0058 0000 ccb8 0000 cf2a 0000 cb04 003b 5cf3 fbf7 005f eb57 ff86 0000 0000 fec4 06aa 0000 bf22 2952 022e 7fff 2954 0006 0b66 2ad9 06c7 0129 0000 0000 49a8 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:51.170	362	2	0006	+210	-359				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-23.96	-2.95	263	24.11	2991 263	24.13	61.95	165.03	416	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
149	+14229	+14100	+14080	+13980	-15	+2	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0001 b4e2 0001 bcaa 0001 b800 003b 5caa fbf7 ff88 f405 fe86 0000 0000
0ef1 e66c 0017 baf3 1822 0006 7fff 1824 0000 0f7d 2942 1d9f 016a 0000 0000 0000
041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:51.170	475	N6887L	2	4714	4714	1V	+183	+5	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
-16.42	-1.21	265	16.42	3023 266	16.47	69.59	164.83	183	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
88	+5029	+4900	+4875	+4875	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 985c 0000 9d2a 0000 985c 003b 5cce fbf7 0000 f7ca ff65 0000 0000
0d0a 006a 0000 bcfb 1078 09cc 7fff 1078 0000 1166 2935 0d0b 01db 0000 0000 0000
051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0004 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 2000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09cc 0005 0000 ffff 0032 0038 0253 0000
0000 0000 0000 00f3 0000 0003 0015 0000 0000 0000 00f2 0000 0014 0138 01db 00c3
0000 01aa 0000 0062 0054 01c9 0000 0000 0000 0000 0000 0000 0000 025c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 1dff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0036 4334 3231 0000 0000 4f58 5200 4343 4200 2020 2020 2020 2020
2020 0000 4e36 3838 374c 0000 0000 0037 3937 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:51.170 9 2 1275 -5 -1 RADAR-ONLY: NO
FIRMNESS: 38

DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-12.52 -11.01 228 16.65 2602 229 16.67 70.88 154.38 5 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
258 -470 -599 -599 -599 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 ffff ed41 ffff f14b ffff ed41 003b 5af3 fbf7 0000 f9bd fa7f 0000 0000 ff9d ffec 0000 a2a8 10ac 02bd 7fff 10ac 0000 11b8 2698 0065 0009 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:50.940	27	6.03	3267	287	3				80.83		164.89 3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:51.170	Radar Report Msg	0b01 001c 003b 5efc 1435 2939 0304 330c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	14.09	3290	289	1					74.14		169.63 1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5efc 1289 2a68 070c 3368 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	13.91	3282	288	4					74.20	169.38	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5efc 128d 2a58 06f4 3348 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	6.63	3303	290	5					80.50	165.52	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5efc 1420 2961 0350 339c 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	8.69	3362	295	7					79.25	167.33	7		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5efc 13d0 29d5 0458 3488 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS

37.09	3379	297	4		58.09	186.45	4		RT	2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5efc 0e86 2e9d 128c 34cc 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X	NM	SYSTEM Y	NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
7.34	3415	300	2			80.69	166.88	2				RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5efc 142c 29b8 03ac 355c 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:51.280 84 N774CS 2 3376 3376 1W +163 -153 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 6
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-19.71 +3.20 279 19.94 3176 279 19.99 67.56 169.91 224 INHIBIT MSAW PROCESS: YES
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
133 +9429 +9300 +9320 +9271 -11 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

01:04:51.280 Active Track Maintenance Msg 1700 0058 0001 21be 0001 26aa 0001 2347 003b 5d7a fbf7 ffa5 f625 019a 0000 0000
0ba2 f51d fffe c68c 13fe 06fe 7fff 13f8 003b 10e4 2a7a 0fef 0054 0000 0000 0803
061f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 06fe 0003 012c ffff f830 0037 01ab 0000
0000 0000 0000 017e 0000 0007 002e 0000 0000 0000 00a9 0000 0215 0249 0054 0250
0000 021b 0000 0213 0091 014a 0000 0000 0000 0000 0000 0000 0000 03cb ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2056 2eff 0000 0000 0000 0000 0000 0101 0003 0000 0001 0001 0502
0001 0000 0000 0043 4332 3130 0000 0000 5341 3900 544f 4100 2020 2020 2020 2020
2020 0000 4e37 3734 4353 0000 0000 0036 3032 0000 0057 0000 0000 0020 0000 004f
4646 5620 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	7.25	3427	301	4					80.84	166.91	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:51.280	Radar Report Msg	0b01 001c 003b 5f10 1436 29ba 03a0 358c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	8.97	3518	309	2					80.56	168.95	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5f1a 1424 2a3d 047c 36f8 0202 0200 0001 0103 1d00 0000
01:04:51.390	Delete Track Msg	1704 0008 0044 0510

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:51.180	29	1.63	3583	315	0		85.22	162.77	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:51.390	Radar Report Msg	0b01 001c 003b 5fe2 154e 28b1 00d0 37fc 0200 0000 0000 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	5.53	3651	321	1			83.58	166.64	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 5fe2 14e5 29a9 02c4 390c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:51.490	194	DDA77	2	4043	4043	1M	+327	-306	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5
-38.97	+13.53	289	41.21	3288 289	41.17	51.58	184.77	448	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
133	+15029	+14900	+14910	+14548	-79	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:51.490	Active Track Maintenance Msg	1700 0058 0001 c6a2 0001 d5aa 0001 d1f1 003b 5df9 fbf7 fd85 ec84 06c4 0000 0000

1747 ea30 fffe cd8f 292c 0823 7fff 2940 0000 0ce5 2e31 1fe6 00c2 0000 0000 0000
051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0823 0007 0136 ffff 0172 003f 0204 0000
0000 0000 0000 0007 0000 0007 0000 0000 0000 0000 00ab 0000 0090 00b2 00c2 0000
0000 0000 0000 00c8 01da 00f5 0000 0000 0000 0000 0000 0000 0000 023d ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000 0100 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0005 2000 35ff 0000 0000 0000 0000 0000 0100 0000 0000 0001 0001 0102
0001 0000 0000 0043 4c4a 3335 0000 0000 4649 4d00 5656 5600 2020 2020 2020 2020
2020 0000 4444 4137 3700 0000 0000 0033 3535 0000 004d 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:51.490	400	2		4675	-198	-45			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-44.64	+32.26	305	55.06	3479 306	55.08	50.81	204.31	203	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
257	+14029	+13900	+13900	+13900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 b260 0001 b66a 0001 b260 003b 5ecf fbf7 0000 e9ae 1021 0000 0000
		f1e0 fcca 0000 d977 3714 09bd 7fff 3714 1be0 0cb4 3314 0e7d 0190 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:51.490	384	2		1200	+99	+51			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-33.05	-0.61	269	33.00	3060 269	33.05	53.66	169.63	111	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
62	+5629	+5500	+5500	+5500	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 abe0 0000 afea 0000 abe0 003b 5cf6 fbf7 0000 ef79 ffb2 0000 0000
070c 03b0 0000 bf47 210d 0280 7fff 2110 0000 0d6a 2a68 07f4 0180 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:51.280	30	58.41	3627	319	4		59.69		214.05	4			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:51.490	Radar Report Msg	0b01 001c 003b 6046 0eec 3583 1d34 38ac 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		5.38	3669	322	2		83.78		166.55	2			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6046 14f2 29a3 02b0 3954 0202 0200 0001 0103 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.97	3686	324	4			84.06	166.20	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6046 1504 298d 027c 3998 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	5.28	3667	322	1			83.80	166.45	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6046 14f3 299d 02a4 394c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.88	3687	324	4			84.09	166.11	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6046 1506 2987 0270 399c 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:51.610	56	2	4752	-128	+182				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PREDICTED DEG	RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES

-29.84 +25.02 310 38.91 3527 310 38.95 63.28 193.58 223 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
324	+12029	+11900	+11900	+11900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:51.610	Active Track Maintenance Msg	1700 0058 0001 73e0 0001 77ea 0001 73e0 003b 5f03 fbf7 0000 f114 0c83 0000 0000 f6d8 0cf5 0000 dc74 26f4 09ea 7fff 26f4 0e44 0fd2 3065 0fde 0038 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:51.610 51 2 1331 -202 +275 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-27.95 +22.37 308 35.75 3512 309 35.79 64.63 190.27 342 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
323 +31000 +31000 +31000 +31000 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0003 c8c0 0003 c8c0 0003 c8c0 003b 5ef3 0000 0000 f207 0b2f 0000 0000
f195 139d 0000 db85 23ca 02d9 7fff 23cc 1489 1028 2f91 1858 0033 0000 0000 0303
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:51.610 392 2 7304 -256 +276 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-30.22 +26.47 311 40.13 3540 311 40.17 63.36 194.94 377 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
317 +24700 +24700 +24702 +24955 +54 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0003 0bdf 0003 03e0 0003 03f5 003b 5f13 0000 01b6 f0e4 0d3c 0000 0000
edba 13a3 0000 dd4b 282b 0ec4 7fff 282c 0000 0fd7 30bc 1ad3 0188 0000 0000 8910
051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:51.610	322	N900RL	2	3601	3601	1Y	+67	-195	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6
-9.43	+8.39	311	12.57	3544 312	12.60	78.80	172.33	206	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
160	+5729	+5600	+5588	+5362	-48	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 a790 0000 b30a 0000 aea0 003b 5f19 fbf7 fe7c fb49 0432 0000 0000
		04ce f21f 0002 dd84 0c9a 0781 7fff 0ca0 0000 13b3 2b15 0eaf 0142 0000 0000 df20
		061f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0781 008a 0122 ffff 01c2 0037 01b6 0000
		0000 0000 0000 00ef 0000 0001 0001 0000 0000 0000 008f 0000 012b 00a5 0142 009b
		0000 01c6 0000 01cb 000c 020d 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
		0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 35ff 0100 0000 0000 0000 0000 0100 0000 0000 0001 0001 0702
		0001 0000 0000 0031 474c 4634 0000 0000 504d 4400 5656 5600 2020 2020 2020 2020
		2020 0000 4e39 3030 524c 0000 0000 0035 3736 0000 0059 0000 0000 0020 5656 5600
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE--- ASSIGNED	BEACON CODE--- REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:51.850	74	N40905	2	6701	6701	0	-58	+75	DEP

RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE
-10.07	+16.80	329	19.54	3743 329	19.57	80.31	180.58	95	INHIBIT MSAW PROCESS: NO

FIRMNESS: 10

VALID ALTITUDE: YES

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
321	+10129	+10000	+10009	+10011	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:51.850	Active Track Maintenance Msg	1700 0058 0001 38df 0001 3c8a 0001 38cb 003b 5ff8 fbf7 0004 faf7 0866 0000 0000 fbce 0558 0000 e9f7 1393 0dc1 7fff 1398 0c70 1414 2d25 06cc 004a 0000 0000 0000 0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:51.850	101	2	4661		+24	-73			RADAR-ONLY: NO

FIRMNESS: 20

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
-6.19	-1.40	257	6.34	2922 257	6.36	79.44	162.05	76	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
161	+929	+800	+812	+856	+9	+0	00111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 1ac2 0000 1d0a 0000 1967 003b 5c5f fbf7 004b fce8 ff4d 0000 0000
		01b6 face 0000 b6ad 065d 09b1 7fff 0658 0000 13dc 2883 0578 0065 0000 0000 6140
		0507 1400 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:51.510	31	9.03	3789	333	5		83.88	170.52	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:51.850	Radar Report Msg	0b01 001c 003b 6136 14f8 2aa1 0484 3b34 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		0.41	3811	335	0		85.72	162.09	0			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6136 156e 2886 0034 3b8c 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	1.97	3845	338	0			85.63	162.94	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6136 1568 28bc 00fc 3c14 0200 0000 0000 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	5.03	3837	337	2			85.09	166.55	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6136 1546 29a3 0284 3bf4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	6.19	3865	340	2				85.17		167.77	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6136 154b 29f1 0318 3c64 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	7.78	3840	338	2				84.73		169.38	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6136 152f 2a58 03e4 3c00 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	8.63	3976	349	2				86.38		170.28	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6136 1598 2a92 0450 3e20 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	10.91	4019	353	1				87.25		172.52	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:51.850 Radar Report Msg 0b01 001c 003b 6140 15d0 2b21 0574 3ecc 0201 0100 0001 0000 1d00 0000

END TIME START TIME TARGET REPORTS: LIVE SIMULATED VALID MODE-C: 0

01:04:51.720 01:04:46.980 RADAR-ONLY 104 0 0.0%

SENSOR = 2 BEACON-ONLY 0 0

RADAR & BEACON 0 0 VALID MODE-3/A: 0

TOTAL 104 0 0.0%

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:51.940	Sensor Sector Mark Msg	1715 000c 003b 6208 0000 0200

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
01:04:51.730	1	11.09	4051	356	1		87.81	172.61	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:51.950	Radar Report Msg	0b01 001c 003b 6212 15f4 2b27 058c 3f4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
9.03	51	4	1				88.67	170.22	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6212 162b 2a8e 0484 00cc 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
8.84	20	2	3				88.22	170.17	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6212 160e 2a8b 046c 0050 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.88	54	5	2				87.64	167.16	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6212 15e9 29ca 02f0 00d8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.38	123	11	1				88.42	167.39	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:52.060 Radar Report Msg 0b01 001c 003b 6280 161b 29d9 0330 01ec 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	10.34	211	19	1			91.36		170.38	1		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6280 16d7 2a98 052c 034c 0201 0100 0001 0000 1d00 0000
01:04:52.170	Delete Track Msg	1704 0008 01fb 0310

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:52.170	358	2		7303	+303	+239			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
+0.98	+18.84	2	18.83	29 3	18.84	91.42	179.58	386	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
51	+18900	+18900	+18895	+19064	+36	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:52.170	Active Track Maintenance Msg	1700 0058 0002 53c5 0002 4ea0 0002 4e7d 003b 622e 0000 0126 007e 096b 0000 0000 159c 1101 0000 01d2 12d8 0ec3 0220 12dc f6b4 16db 2ce5 1b7f 0166 0000 0000 2590 091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:51.850	2	10.69	229	20	2		91.80	170.50	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:52.200	Radar Report Msg	0b01 001c 003b 62e4 16f3 2aa0 0558 0394 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	18.09	305	27	7		97.70	175.33	7				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 62e4 186d 2bd5 090c 04c4 0207 0700 0003 0302 1d00 0000
01:04:52.340	Delete Track Msg	1704 0008 003b 0810

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:52.390	460	EJA631	2	4757	4757	0	-264	-159	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
+3.04	+25.59	6	25.73	76 7	25.78	95.17	185.77	308	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
239	+11329	+11200	+11199	+10999	-43	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:52.390	Active Track Maintenance Msg	1700 0058 0001 57b8 0001 620a 0001 5dfe 003b 625e fbf7 fea5 0185 0ccc 0000 0000
		ed30 f4b1 0000 04c0 19c8 09ef 04d0 19c8 0000 17cb 2e71 15f3 01cc 0000 0000 0000
		0a1f 2600 0201 1000 0303 0100 0000 0000 0000 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09ef 0000 0172 ffff ffff 003c 026d 0000
		0000 0000 0000 0001 0001 0001 0001 0000 0000 0000 009a 0000 003e 01bd 01cc 01a5
		0000 01e5 0000 01c8 005b 0124 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
		0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 2fff 0100 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0702
		0001 0000 0000 0031 4335 3658 0000 0000 504d 4400 564e 5900 2020 2020 2020 2020
		2020 0000 454a 4136 3331 0000 0000 0039 3135 0000 0000 0000 0000 0020 0000 0000
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:52.190	4	7.22	490	43	2		91.70	165.58	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 63de 16ed 2965 039c 07a8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		7.22	467	41	1		91.58	165.80	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:52.500	Radar Report Msg	0b01 001c 003b 6424 16e5 2973 039c 074c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.41	515	45	1			92.02	165.45	1				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6424 1701 295d 03b4 080c 0201 0100 0001 0000 1d00 0000

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:52.600	491	2	2734		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+32.21	-21.92	124	38.91	1413 124	38.96	111.33	132.44	129	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+929	+800	+0	+929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:52.600	Active Track Maintenance Msg	1700 0058 0000 1d0a 0000 1d0a 0000 0000 0000 0000 fbf7 0000 101b f50a 0000 0000 0000 0000 0000 5858 26f6 05dc 5858 26f6 0000 1bd5 211c 0930 01eb 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:52.380	5	3.59	714	63	1		88.89	162.53	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:52.610	Radar Report Msg	0b01 001c 003b 649c 1639 28a2 01cc 0b28 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:52.510	6	4.03	732	64	7		89.39	162.53	7		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:52.830	Radar Report Msg	0b01 001c 003b 6514 1659 28a2 0204 0b70 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	2.09	742	65	0			87.06	162.06	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:52.850	Radar Report Msg	0b01 001c 003b 6532 15c4 2884 010c 0b98 0200 0000 0000 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	1.44	694	61	0			86.70	162.08	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6532 15ad 2885 00b8 0ad8 0200 0000 0000 0103 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
3.97	756	66	1				89.34	162.39	1				RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6532 1656 2899 01fc 0bd0 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
3.66	697	61	2				88.94	162.63	2				RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6532 163c 28a8 01d4 0ae4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
2.00	738	65	0				86.91	162.05	0				RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6532 15ba 2883 0100 0b88 0200 0000 0000 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
3.91	776	68	2				89.28	162.27	2				RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 6532 1652 2891 01f4 0c20 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:53.040	6	2	1274	+0	+8				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
+37.53	+17.89	64	41.54	733 64	41.61	126.59	169.64	8	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
1	-770	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:53.040	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e7eb ffff e3e1 003b 6541 fbf7 0000 12c4 08f2 0000 0000
		0004 009c 0000 2dd6 299c 02bc 2de0 2994 a008 1fa6 2a69 009c 0006 0000 0000 00d1
		0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:53.160	311	2	4611		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+39.33	-46.45	139	60.84	1590 140	60.86	111.95	106.92	262	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+7129	+7000	+0	+7129	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:53.160	Active Track Maintenance Msg	1700 0058 0000 deca 0000 deca 0000 0000 0000 0000 fbf7 0000 13aa e8c6 0000 0000 0000 0000 0000 6360 3cdd 0989 6360 3cdd 0000 1bfd 1abb 12b0 0137 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:52.970	9	5.28	974	86	4		90.70	160.94	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:53.270	Radar Report Msg	0b01 001c 003b 66e0 16ad 283c 02a4 0f38 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	18.28	1091	96	3			102.81	155.44	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 66e0 19b4 26dc 0924 110c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	2.91	1123	99	0			ALT	87.97		160.88		0		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:53.280	Radar Report Msg	0b01 001c 003b 66e0 15fe 2838 0174 118c 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.97	1155	102	1			ALT	92.77		158.39		1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 66e0 1731 2799 03fc 120c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:53.400	527		2	4676		+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+24.01	-25.99	137	35.34	1561 137	35.38	102.36	130.59	93	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1929	+1800	+0	+1929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:53.400	Active Track Maintenance Msg	1700 0058 0000 3c4a 0000 3c4a 0000 0000 0000 0000 fbf7 0000 0c01 f301 0000 0000 0000 0000 0000 619d 2362 09be 619d 2362 0000 1997 20a6 06ac 020f 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:04:53.400	394	N121NA	2	1320	1320	1V	-133	+12	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
+16.74	-3.03	100	16.95	1141 100	17.02	101.17	154.67	134	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
275	+5929	+5800	+5796	+5791	-1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:53.400 Active Track Maintenance Msg 1700 0058 0000 b4fd 0000 b94a 0000 b526 003b 670b fbf7 fff8 085f fe7c 0000 0000
f682 00e7 0000 475c 1106 02d0 4750 1104 0000 194b 26ab 0989 018a 0000 0000 0000
071f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 02d0 0005 003c 003c 003c 0000 023d 0000
0000 0000 0000 0000 0000 0024 0003 0000 0000 0000 02db 0000 001a 015e 018a 0099
018b 0027 0000 0113 0248 0168 0000 0000 0000 0000 0000 0000 0000 020e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 a4ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5041 3434 0000 0000 5241 4c00 5344 3800 2020 2020 2020 2020
2020 0000 4e31 3231 4e41 0000 0000 0036 3932 0000 0056 0000 0000 0020 0000 0046
3036 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:53.400	248		2	0772	-239	-90			RADAR-ONLY: NO

FIRMNESS: 36

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+56.95	-1.84	91	56.96	1044 92	56.98	140.33	145.66	256	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
249	+15829	+15700	+15709	+15583	-28	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 e6ff 0001 eeaa 0001 eaed 003b 669f fbf7 ff20 1c7a ff15 0000 0000
		eef3 f988 fffe 4147 38fc 01fa 4150 38fc 0000 2315 246a 123c 00f8 0000 0000 0000
		051f 2400 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:53.400	523		2	0646	-224	-81			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+38.16	-2.11	93	38.18	1061 93	38.21	122.09	150.16	238	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
250	+12229	+12100	+12112	+12051	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0001 7898 0001 7e2a 0001 7a87 003b 66b0 fbf7 ff95 1315 fef2 0000 0000
f00a fa2f 0000 4250 2636 01a6 4240 2638 0000 1e86 258a 10fd 020b 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:53.400	519	2	1631			-154	-106		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+49.70	-11.08	102	50.90	1166 102	50.93	131.02	138.55	188	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
235	+8029	+7900	+7900	+7900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 f6e0 0000 faea 0000 f6e0 003b 6728 fbf7 0000 18da fa76 0000 0000
f4fd f86a 0000 48e2 32ed 0399 48f0 32ec 0000 20c1 22a3 0d5f 0207 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:53.410 339 2 2201 -170 -73 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 3
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+46.24 -13.94 106 48.24 1215 107 48.30 126.94 136.64 185 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
246 +7929 +7800 +7850 +7838 -2 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:04:53.410 Active Track Maintenance Msg 1700 0058 0000 f4f6 0000 f7ca 0000 f550 003b 675e fbf7 ffeb 171f f908 0000 0000
f3e3 facf 0000 4bff 304e 0481 4bf0 304c 3c1e 1fbc 2229 0d2e 0153 0000 0000 0000
031f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:53.410 298 2 0771 -216 -80 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+25.37 -7.27 106 26.33 1206 106 26.41 108.44 148.41 230 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
249	+8729	+8600	+8628	+8560	-14	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 0b82 0001 10ca 0001 0da7 003b 6754 fbf7 ff89 0caf fc5d 0000 0000 f09e fa4c 0000 4b66 1a69 01f9 4b60 1a64 0000 1b1c 251a 1068 012a 0000 0000 0101 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:53.170	11	7.34	1155	102	1		92.19		158.67	1			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:53.410	Radar Report Msg	0b01 001c 003b 674e 170c 27ab 03ac 120c 0201 0100 0001 0000 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.63	1168	103	4				92.38	158.41	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 674e 1718 279a 03d0 1240 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.47	1171	103	4				92.22	158.45	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 674e 170e 279d 03bc 124c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
3.03	1171	103	3				88.03	160.64	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 674e 1602 2829 0184 124c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.59	1219	107	1				90.31	159.02	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 674e 1694 27c1 02cc 130c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
6.31	1232	108	3						90.88	158.52	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 674e 16b8 27a1 0328 1340 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
54.47	1236	109	4						131.25	131.94	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 674e 20d0 20fc 1b3c 1350 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X	NM	Y	NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
3.28	1239	109	2				88.14	160.25	2				RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:53.410	Radar Report Msg	0b01 001c 003b 67b2 1609 2810 01a4 135c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X	NM	Y	NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
11.22	1244	109	7				94.97	155.63	7				RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 67b2 17be 26e8 059c 1370 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X	NM	Y	NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
22.56	1299	114	7				103.28	147.72	7				RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 67b2 19d2 24ee 0b48 144c 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X	NM	Y	NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
5.22	1267	111	1				89.78	158.92	1				RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 67b2 1672 27bb 029c 13cc 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
20.66	1242	109	1				102.86	150.38	1		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 67b2 19b7 2598 0a54 1368 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
7.34	1290	113	1				91.41	157.42	1		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 67b2 16da 275b 03ac 1428 0201 0100 0001 0000 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	21.19	1363	120	3			100.83	147.03	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 67b2 1935 24c2 0a98 154c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	28.94	1387	122	3			105.61	140.86	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:53.510	Radar Report Msg	0b01 001c 003b 6816 1a67 2337 0e78 15ac 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	47.34	1333	117	4			121.00	130.28	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6816 1e40 2092 17ac 14d4 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	20.63	1475	130	3			97.75	145.14	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 6816 1870 2449 0a50 170c 0203 0300 0004 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:53.720	389	2	1654		-158	+101			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
+40.10	-13.59	108	42.29	1237 109	42.34	121.11	138.55	188	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
302	+6129	+6000	+6003	+5902	-21	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:53.720	Active Track Maintenance Msg	1700 0058 0000 b873 0000 bf8a 0000 bb98 003b 6777 fbf7 ff52 140d f935 0000 0000
		f4b9 0731 0000 4d57 2a58 03ac 4d50 2a58 003b 1e47 22a3 0d60 0185 0000 0000 2468
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:53.720 590 2 4624 -30 -101 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+33.63 -16.67 116 37.51 1323 116 37.54 114.06 137.20 105 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
196 +2929 +2800 +2794 +2790 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 5730 0000 5b8a 0000 5750 003b 67d9 fbf7 fffa 10d0 f7aa 0000 0000
fdd5 f8d0 0000 52bd 258a 0994 52c0 2588 3340 1c84 224d 0782 024e 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:53.720 207 N8451R 2 4647 4647 1X -94 +55 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+4.92 -2.55 117 5.48 1341 118 5.55 89.83 158.17 109 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
300 +6029 +5900 +5900 +5900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 b860 0000 bc6a 0000 b860 003b 67e7 fbf7 0000 0276 feba 0000 0000
f943 03f6 0000 53da 058d 09a7 5380 058c 0000 1675 278b 07d1 00cf 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09a7 0015 003c 003c 003c 0028 0068 0000
0000 0000 0000 0000 0000 0026 0001 0000 0000 0000 00b0 0000 0037 00e1 00cf 0041
0000 00ec 0000 01bb 0036 00bd 0000 0000 0000 0000 0000 0000 0000 020c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5032 3841 0000 0000 504f 4300 5656 5600 2020 2020 2020 2020
2020 0000 4e38 3435 3152 0000 0000 0036 3633 0000 0058 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:53.730	321	2	4665		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+43.77	-3.45	94	43.88	1075 95	43.91	127.20	147.34	145	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2029	+1900	+0	+2029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:53.730	Active Track Maintenance Msg	1700 0058 0000 3f6a 0000 3f6a 0000 0000 0000 0000 fbf7 0000 15e3 fe46 0000 0000
		0000 0000 0000 4335 2be8 09b5 4335 2be8 0000 1fcd 24d6 0a5d 0141 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:53.730	451	2	3220		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+3.91	-15.34	165	15.79	1885 166	15.82	85.64	146.02	138	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+529	+400	+0	+529	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 108a 0000 108a 0000 0000 0000 0000 fbf7 0000 01f4 f855 0000 0000
0000 0000 0000 75d6 0fd3 0690 75d6 0fd3 0000 1569 2481 09d1 01c3 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:53.490	13	11.28	1540	135	3		91.34		152.17	3		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:53.730	Radar Report Msg	0b01 001c 003b 68f2 16d6 260b 05a4 1810 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		4.69	1571	138	3		87.78		157.92	3		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 68f2 15f2 277b 0258 188c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	50.78	1564	137	4			109.47	116.98	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 68f2 1b5e 1d3f 1964 1870 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	8.34	1635	144	3			88.78	154.23	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 68f2 1632 268f 042c 198c 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:53.840	155	2	3275	+89	+164				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+29.05	-19.86	124	35.12	1412 124	35.18	108.83	135.28	187	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
28	+5029	+4900	+4900	+4900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:53.840	Active Track Maintenance Msg	1700 0058 0000 9920 0000 9d2a 0000 9920 003b 683f fbf7 0000 0e86 f612 0000 0000

0660 0bae 0000 584d 232f 06bd 5870 2330 0001 1b35 21d2 0d4f 009b 0000 0000 0100
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:53.840	424	2	4603		-246	-225			RADAR-ONLY: NO

FIRMNESS: 26

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+48.98	+7.10	81	49.44	931 82	49.50	134.86	156.33	333	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
227	+18400	+18400	+18399	+18135	-57	+0	11101

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 36bf 0002 3f00 0002 3efc 003b 661e 0000 fe38 187e 038d 0000 0000
		ee7c eff7 0000 3a3a 3180 0983 3a20 3180 0000 21b7 2715 17bf 01a8 0000 0000 0000
		041d 1a00 0203 1001 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:53.840	245	2	5266		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+44.29	-6.78	98	44.76	1123 99	44.80	126.86	144.00	147	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+3929	+3800	+0	+3929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:53.840	Active Track Maintenance Msg	1700 0058 0000 7aca 0000 7aca 0000 0000 0000 0000 fbf7 0000 1625 fc9c 0000 0000 0000 0000 0000 4630 2cce 0ab6 4630 2cce 0000 1fb7 2400 0a75 00f5 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:04:53.940	Delete Track Msg	1704 0008 0183 0410

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:53.720	14	3.97	1717	151	2		86.67	158.33	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:53.960	Radar Report Msg	0b01 001c 003b 69ce 15ab 2795 01fc 1ad4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	19.03	1751	154	4			89.52	143.25	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 69ce 1661 23d0 0984 1b5c 0204 0400 0004 0101 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	22.38	1781	157	5			89.17		139.78	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:53.970	Radar Report Msg	0b01 001c 003b 69e2 164b 22f2 0b30 1bd4 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.03	1763	155	1			86.63		157.16	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 69e2 15a8 274a 0284 1b8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	4.09	1787	157	1			86.30	158.11	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 69e2 1593 2787 020c 1bec 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:54.060	278	2	4613		+241	+64			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+21.74	-20.32	133	29.71	1514 133	29.80	101.64	136.69	250	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
75	+6029	+5900	+5899	+5899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:54.060	Active Track Maintenance Msg	1700 0058 0000 b85d 0000 bc6a 0000 b85d 003b 68af fbf7 0000 0adf f5d7 0000 0000
		1135 0499 0000 5ea2 1dcc 098b 5ea0 1dc4 2a57 1969 222c 11cf 0116 0000 0000 e746
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:54.060	329	2	4657		-140	+181			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
+21.90	-21.83	135	30.89	1535 135	30.91	101.41	135.20	229	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
322	+7029	+6900	+6900	+6900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 d7a0 0000 dbaa 0000 d7a0 003b 68c6 fbf7 0000 0af3 f516 0000 0000
		f604 0cea 0000 5ff4 1eea 09af 5ff0 1eec 0000 195a 21cd 1053 0149 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:54.060	561	2	4745		-158	+105			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
+14.06	-15.52	137	20.93	1567 138	20.93	95.44	143.28	189	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
303	+4529	+4400	+4358	+4315	-9	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 86dd 0000 8d8a 0000 8835 003b 68ec fbf7 ffb6 0708 f83e 0000 0000
		f4c3 0779 0000 61f9 14ee 09e5 6200 14f0 0000 17dc 23d2 0d7f 0231 0000 0000 0000
		071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:54.060	555	2	3507		+84	+179			RADAR-ONLY: NO

FIRMNESS: 33

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
+25.81	-25.34	134	36.15	1530 134	36.17	104.31	130.80	198	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
25	+5029	+4900	+4900	+4900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 9920 0000 9d2a 0000 9920 003b 68c1 fbf7 0000 0ce8 f354 0000 0000
0602 0cbd 0000 5fa0 242b 0747 5fa0 242c 0000 1a14 20b3 0e15 022b 0000 0000 0000
091f 2100 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:54.060	160	2	4645		+262	+285			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+7.52	-9.05	140	11.71	1597 140	11.77	90.63	151.47	387	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
42	+17029	+16900	+16871	+17046	+38	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0002 14b2 0002 142a 0002 0f39 003b 690b fbf7 0131 03c3 fb7a 0000 0000
12ae 1447 0000 63de 0bc6 09a5 63c0 0bc4 0000 16a8 25de 1b92 00a0 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:54.060 437 2 1200 +1 -79 RADAR-ONLY: NO
FIRMNESS: 34
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+11.63 -1.84 98 11.76 1126 99 11.77 96.55 157.13 79 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
178 +1729 +1600 +1600 +1600 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 3200 0000 360a 0000 3200 003b 66fa fbf7 0000 05d0 ff15 0000 0000
001f fa5e 0000 466d 0bc5 0280 4660 0bc4 0000 1823 2748 05a3 01b5 0000 0000 0000
0a1f 2200 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:54.160 176 2 4772 +161 -19 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 3
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+6.60 -9.78 146 11.75 1659 146 11.76 89.67 150.72 162 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
97	+3829	+3700	+3650	+3593	-12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:54.160	Active Track Maintenance Msg	1700 0058 0000 704c 0000 77aa 0000 7210 003b 6954 fbf7 ff9f 034d fb1c 0000 0000 0b74 fe9a 0000 67b2 0bc3 09fa 67d0 0bcc 2a57 166b 25ae 0b89 00b0 0000 0000 e6ce 031f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:54.160	98	2	3253	-175	-33				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
+7.38	-13.02	150	14.95	1715 151	14.99	89.61	147.38	178	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
259	+2829	+2700	+2666	+2539	-26	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 4f5f 0000 586a 0000 5355 003b 698e fbf7 ff2a 03b0 f97d 0000 0000
		f37f fda6 0002 6b39 0efd 06ab 6b00 0ef8 0000 1667 24d8 0cb9 0062 0000 0000 0000
		071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:54.160	7	2	1275	+2	+6				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+41.67	-14.41	109	44.04	1240 109	44.09	122.39	137.38	7	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
23	+0	+0	+0	+0	+0		00000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 0000 0000 0000 0000 0000 003b 677c 0000 0000 14d6 f8cc 0000 0000
0035 007a 0000 4d8e 2c18 02bd 4d90 2c18 0000 1e99 2258 0085 0007 0000 0000 0000
0000 2600 0203 1000 0300 0100 0000 0001 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:54.160	319		2		+41	+15			RADAR-ONLY: NO

FIRMNESS: 33

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: NO
+0.62	-0.23	108	0.59	1254 110	0.66	86.31	161.47	44	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
69	CST	CST	+658	+691	+7	+0	11110

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 159e 0000 16ca 0000 1492 003b 43b8 fbf7 003a 004f ffe3 0000 0000 02f4 0119 0000 4e68 00a9 09d5 57d0 0084 0000 1594 285e 0326 013f 0000 0000 0000 031e 2100 0203 1001 0303 0000 0000 0001 0100 0000 0000 0101

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:53.940	16	23.16	1816	160	5			88.06	138.86	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:54.160	Radar Report Msg	0b01 001c 003b 6a5a 1604 22b7 0b94 1c60 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	36.34	1800	158	6				90.27	125.81	6		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6a5a 1691 1f74 122c 1c20 0206 0600 0004 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.09	1852	163	2				85.94	158.08	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6a5a 157c 2785 020c 1cf0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
4.09	1811	159	3				86.17	158.09	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6a5a 158b 2786 020c 1c4c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
4.00	1858	163	3				85.89	158.19	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6a5a 1579 278c 0200 1d08 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
22.31	1860	163	5				86.48	139.59	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6a5a 159f 22e6 0b28 1d10 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
6.53	1886	166	4				85.72	155.52	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6a5a 156e 26e1 0344 1d78 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
4.00	1874	165	3				85.80	158.17	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6a5a 1573 278b 0200 1d48 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
6.69	1888	166	4				85.69	155.34	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6a5a 156c 26d6 0358 1d80 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS

10.03 1893 166 5 85.58 151.94 5 RT 2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6a5a 1565 25fc 0504 1d94 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.16	2003	176	1			85.05	158.08	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:54.180	Radar Report Msg	0b01 001c 003b 6a6e 1543 2785 0214 1f4c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:54.280	530	2	4643	-270	+185				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+17.44	-40.33	156	43.92	1781 157	43.95	92.41	118.53	327	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
304	+20000	+20000	+20000	+20000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:54.280	Active Track Maintenance Msg	1700 0058 0002 7100 0002 7100 0002 7100 003b 69dc 0000 0000 08b8 ebd6 0000 0000 eccc 0d33 0000 6f5f 2bf2 09a3 6f60 2bf0 0000 171a 1da2 174d 0212 0000 0000 6816 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:54.280	310	2	1051	+449	+112				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+14.02	-30.13	155	33.22	1764 155	33.23	91.66	129.38	463	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
75	+24100	+24100	+24128	+24292	+35	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0002 f726 0002 f120 0002 f201 003b 69c8 0000 011d 0703 f0f0 0000 0000
1ff9 0808 0000 6e48 213c 0229 6e40 213c a000 16ea 2058 20f7 0136 0000 0000 0001
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:54.280	406	2	4622		-154	+8			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
+8.91	-21.97	158	23.66	1797 158	23.71	88.81	138.34	154	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
273	+3929	+3800	+3801	+3794	-1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 7696 0000 7aca 0000 76cd 003b 69ed fbf7 fff5 0474 f504 0000 0000 f503 009e 0000 705b 17b6 0992 7050 17b4 0000 1634 2296 0b02 0196 0000 0000 3039 071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:04:54.380	Delete Track Msg	1704 0008 0019 0910

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:54.070	17	5.09	2070	182	2		84.39	157.20	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:54.390	Radar Report Msg	0b01 001c 003b 6b2c 1519 274d 028c 2058 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
		5.31	2092	184	2		84.16	157.03	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6b2c 150a 2742 02a8 20b0 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:54.500	328	2	6655	+0	+0				RADAR-ONLY: NO
									FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0
+17.66	-20.94	140	27.37	1591 140	27.39	97.52	137.09	138	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+529	+400	+0	+529	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:54.500	Active Track Maintenance Msg	1700 0058 0000 108a 0000 108a 0000 0000 0000 0000 fbf7 0000 08d5 f588 0000 0000 0000 0000 0000 6372 1b64 0dad 6372 1b64 0000 1861 2246 09d3 0148 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:04:54.500	Delete Track Msg	1704 0008 024d 0010

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:54.600	49	2	6311		+353		+28		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
-4.55	-44.78	185	44.97	2112 186	45.00	70.03	119.70	354	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
85	+9329	+9200	+9210	+9118	-20	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:54.600	Active Track Maintenance Msg	1700 0058 0001 1cf1 0001 238a 0001 1fd1 003b 6b52 fbf7 ff5e fdba e99c 0000 0000
		1927 0204 0000 840b 2d00 0cc9 7fff 2d04 0000 1182 1ded 193b 0031 0000 0000 0000
		061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:54.600	580	2	4614		-57		+67		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
-1.11	-17.15	183	17.16	2088 184	17.20	80.36	145.55	88	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
319	+5029	+4900	+4918	+4929	+2	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 9a0d 0000 9d2a 0000 99b6 003b 6b37 fbf7 0013 ff72 f76d 0000 0000
fbf1 04ce 0000 828b 1133 098c 7fff 1130 1be0 1417 2463 064a 0244 0000 0000 0000
081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:54.600	379	2	6312		+245	+47			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6
-2.00	-12.32	189	12.47	2150 189	12.50	80.73	150.47	249	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
79	+6729	+6600	+6615	+6429	-40	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 c8ea 0000 d24a 0000 cebe 003b 6b7e fbf7 feb9 ff00 f9d7 0000 0000
		116d 035f ffff 8662 0c7f 0cca 7fff 0c7c 0000 142f 259e 11c0 017b 0000 0000 0000
		061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:54.600	55	2			-213	-74			RADAR-ONLY: NO
									FIRMNESS: 35

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: NO
+10.91	-12.62	139	16.61	1583 139	16.69	93.13	146.88	226	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
250	CST	CST	+3022	+2821	-50	-3	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 582e 0000 61ca 0000 5e74 003b 566b fbf7 fe6a 0575 f9b1 0000 0000
		f0cb faaf ffe8 62f5 10b0 0e98 6230 10d0 a017 1748 24b8 101c 0037 0000 0000 0400
		041f 2300 0203 1001 0303 0000 0000 0001 0100 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM PROC	STR	SC	TYP	SYS
01:04:54.270	18	28.72	2355	207	3			66.72	140.42	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:54.600	Radar Report Msg	0b01 001c 003b 6c76 10ae 231b 0e5c 24cc 0203 0300 0003 0003 1d00 0000
01:04:54.820	Delete Track Msg	1704 0008 01b9 0910

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:54.820	449	2	7242		-318	+150			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-5.86	-31.19	190	31.72	2168 191	31.73	72.41	133.56	352	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
295	+33000	+33000	+32997	+32996	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:54.820	Active Track Maintenance Msg	1700 0058 0004 0722 0004 0740 0004 0729 003b 6b90 0000 0000 fd12 f068 0000 0000
		e95f 0ab9 0000 878b 1fba 0ea2 7fff 1fbc 0a3a 121a 2164 190b 01c1 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:54.820	532	2		7234	-77	-224			RADAR-ONLY: NO

FIRMNESS: 35

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: YES
-2.77	-18.89	188	19.07	2142 188	19.04	78.31	144.28	237	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
199	+3729	+3600	+3650	+3821	+37	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 776b 0000 748a 0000 7210 003b 6b72 fbf7 0128 fe9d f68e 0000 0000 fa85 f00a 0000 85ec 1309 0e9c 7fff 1318 0005 1394 2412 10e0 0214 0000 0000 467e 031f 2300 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:54.820	173	2		6307	+531	-206			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
-3.54	-15.75	192	16.13	2191 193	16.16	78.77	148.30	570	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
111	+32900	+32900	+32887	+32843	-9	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0004 025e 0004 0420 0004 03b9 003b 6baa 0000 ffb6 fe3b f820 0000 0000
25cf f158 0000 88fc 102a 0cc7 7fff 1024 0001 13b1 2513 288d 00ad 0000 0000 467e
051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:54.820	361	2		1022		-28	-277		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-6.02	-20.04	196	20.88	2243	197	20.95	74.89	144.00	279 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
185	+7029	+6900	+6891	+7257	+79	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:54.820	Active Track Maintenance Msg	1700 0058 0000 e2c8 0000 dbaa 0000 d759 003b 6bdd fbf7 027b fcfe f5fb 0000 0000
		fe02 ec3f 0000 8c38 14f3 0212 7fff 14ec 079e 12b9 2400 13da 0169 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:54.820	219	2	1060		-391	-125			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-6.17	-19.70	197	20.62	2246 197	20.64	75.23	145.02	410	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
252	+35000	+35000	+34996	+34996	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 45a4 0004 45c0 0004 45a7 003b 6be6 0000 0000 fcea f627 0000 0000
		e431 f71c 0000 8c6e 14a5 0230 7fff 14a4 1be0 12cf 2441 1d32 00db 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:54.940	586	2	4673		+308	-20			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-12.34	-12.23	225	17.32	2563 225	17.35	70.80	153.17	308	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
93	+10029	+9900	+9903	+9903	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:54.940	Active Track Maintenance Msg	1700 0058 0001 357d 0001 396a 0001 3579 003b 6d4b fbf7 0001 f9d4 f9e3 0000 0000 15e9 fe93 0000 a038 115a 09bb 7fff 1160 0001 11b3 264b 15f5 024a 0000 0000 5b96 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:54.940	8	2	1273	-14	-1				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-37.73	-33.25	228	50.26	2602 229	50.29	40.86	139.23	14	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
264	-899	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e3e1 ffff e3e1 003b 6d76 0000 0000 ed23 ef60 0000 0000 fef6 ffe4 0000 a2a3 324b 02bb 7fff 324c a006 0a37 22cf 010b 0008 0000 0000 0000 0a1f 2603 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:54.730	22	7.47	2499	220	3		79.84	157.58	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:54.940	Radar Report Msg	0b01 001c 003b 6d52 13f6 2765 03bc 270c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.59	2506	220	1			81.39	158.77	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6d52 1459 27b1 02cc 2728 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.56	2531	222	1			81.30		158.95	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6d52 1453 27bd 02c8 278c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.97	2582	227	4			80.72		159.11	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6d52 142e 27c7 02fc 2858 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.44	2594	228	2			80.23	158.97	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:54.950	Radar Report Msg	0b01 001c 003b 6dc0 140f 27be 0338 2888 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.75	2635	232	4			79.77	159.20	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6dc0 13f1 27cd 0360 292c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.22	2666	234	1			79.20	159.31	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:54.950	Radar Report Msg	0b01 001c 003b 6dca 13cd 27d4 039c 29a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
8.03	2659	234	1			78.45	158.94	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 6dca 139d 27bc 0404 298c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM STAT	SYSTEM COR	SYSTEM	PROC STR	SC	TYP	SYS
21.97	2691	237	1			65.03	154.77	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6dca 1042 26b1 0afc 2a0c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM STAT	SYSTEM COR	SYSTEM	PROC STR	SC	TYP	SYS
8.69	2660	234	3			77.83	158.70	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6dca 1375 27ad 0458 2990 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	7.88	2694	237	2		78.47	159.38	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6dca 139e 27d8 03f0 2a18 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.38	2714	239	2		81.88	160.66	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6dca 1478 282a 0230 2a68 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	8.75	2743	241	2		77.44	159.72	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:55.040	Radar Report Msg	0b01 001c 003b 6e24 135c 27ee 0460 2adc 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	15.75	2747	241	2		70.56	158.08	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 6e24 11a4 2785 07e0 2aec 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT					
	11.03	2819	248	1			74.95		160.39	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:55.060	Radar Report Msg	0b01 001c 003b 6e2e 12bd 2819 0584 2c0c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT					
	12.00	2835	249	3			73.95		160.56	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6e2e 127d 2824 0600 2c4c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	2.00	2794	246	3			84.61	161.64	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6e2e 1527 2869 0100 2ba8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	15.28	2835	249	1			70.66	160.20	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6e2e 11aa 280d 07a4 2c4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:55.140	24	18.88	2922	257	5		66.97	162.33	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:55.390	Radar Report Msg	0b01 001c 003b 6f0a 10be 2895 0970 2da8 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:55.480	275	2	0257	+0	+0		RADAR-ONLY: NO		

FIRMNESS: 63

DISPLAY X	DISPLAY NM	DISPLAY Y	DISPLAY NM	PRED_AZIM AZI DEG	PREDICTED RANGE NM	SYSTEM ACP	SYSTEM DEG	SYSTEM RANGE NM	SPEED X	SPEED NM	SPEED Y	SPEED NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 ALTITUDE VALID: YES

+35.95 +0.92 88 35.95 1007 89 35.96 120.77 153.58 126 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1729	+1600	+0	+1729	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:55.480	Active Track Maintenance Msg	1700 0058 0000 360a 0000 360a 0000 0000 0000 0000 fbf7 0000 11fa 0076 0000 0000 0000 0000 0000 3ef4 23f7 00af 3ef4 23f7 0000 1e31 2665 08fc 0113 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:55.480	304		2	7342			-320	+158	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-34.05	-17.60	242	38.27	2761 243	38.34	48.80	153.53	357	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
296	+35000	+35000	+34999	+34999	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:55.480	Active Track Maintenance Msg	1700 0058 0004 45bf 0004 45c0 0004 45bf 003b 6e2a 0000 0000 eefa f733 0000 0000 e938 0b47 0000 ac93 2657 0ee2 7fff 2654 1bc6 0c33 2662 196c 0130 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:55.480	87	CPF420	2	4664	4664	1X	+121	-33	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
-3.09	-1.15	249	3.26	2837 249	3.32	82.58	161.52	126	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
105	+5229	+5100	+5060	+5099	+10	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 9f5f 0000 a36a 0000 9e25 003b 6e81 fbf7 0050 fe75 ff6d 0000 0000
08a7 fd97 0005 b15f 0351 09b4 7fff 034c 0003 14a5 2861 08fb 0057 0000 0000 0100
061f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09b4 0015 0032 0032 0032 003c 017c 0000
0000 0000 0000 0000 0000 0001 0026 0000 0000 0000 00ed 0000 01b0 009b 0057 0201
0000 016b 0000 0010 0184 0185 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2eff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 4332 3036 0000 0000 5748 5000 544f 4100 2020 2020 2020 2020
2020 0000 4350 4634 3230 0000 0000 0035 3634 0000 0058 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:55.480 545 2 4706 -143 -26 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-25.41 -6.53 255 26.19 2907 256 26.26 59.55 161.95 146 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
259 +4029 +3900 +3900 +3900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:04:55.480 Active Track Maintenance Msg 1700 0058 0000 79e0 0000 7dea 0000 79e0 003b 6ecf fbf7 0000 f34c fcbc 0000 0000
f5c3 fe26 0000 b5bf 1a42 09c6 7fff 1a3c 0001 0ee3 287d 0a67 0221 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:55.480 591 2 0260 +44 +75 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-6.98 -1.59 257 7.11 2925 257 7.14 78.63 162.06 87 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
30 +1929 +1800 +1799 +1800 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 3840 0000 3c4a 0000 3839 003b 6ee2 fbf7 0002 fc83 ff34 0000 0000
032f 0559 0000 b6d0 0724 00b0 7fff 0728 02d4 13a8 2884 0639 024f 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: OVR
01:04:55.480	274	N8063T	2	4763	4763	1V	+126	+37	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-15.41	-2.77	259	15.62	2955 260	15.68	70.20	163.06	132	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
73	+7029	+6900	+6907	+6910	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 d7f7 0000 dbaa 0000 d7db 003b 6f05 fbf7 0006 f84c fe9d 0000 0000
		0903 02b2 0000 b8b6 0fae 09f3 7fff 0fa8 0504 118d 28c4 0968 0112 0000 0000 4160
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09f3 0005 0032 ffff 0032 002c 022a 0000
		0000 0000 0000 01f0 0000 0003 0015 0000 0000 0000 00ae 0000 0070 0245 0112 00cb
		0000 002d 0000 0194 0133 00ba 0000 0000 0000 0000 0000 0000 0000 042f ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
		0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 00ff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
		0001 0000 0000 0036 5041 3332 0000 0000 4f58 5200 4844 4600 2020 2020 2020 2020
		2020 0000 4e38 3036 3354 0000 0000 0030 3030 0000 0056 0000 0000 0020 0000 0000
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:55.480	362	2		0006	+210	-357			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5
-23.70	-3.40	261	23.93	2978 262	23.93	62.09	164.55	414	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
149	+14029	+13900	+13915	+13760	-34	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 ae00 0001 b66a 0001 b2d8 003b 6f1f fbf7 fee9 f427 fe4d 0000 0000 0ef2 e697 fffc ba23 17ee 0006 7fff 17f0 0001 0f86 2923 1d7b 016a 0000 0000 2932 051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:55.480	475	N6887L	2	4714	4714	1V	+183	+10	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
-16.19	-1.19	265	16.23	3023 266	16.23	69.83	164.78	183	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
86	+5029	+4900	+4890	+4896	+1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 9904 0000 9d2a 0000 98d1 003b 6f52 fbf7 000b f7e8 ff68 0000 0000 0d05 00b7 0000 bcf9 103c 09cc 7fff 103c 1d00 1175 2932 0d0a 01db 0000 0000 2766 061f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0004 0000 0000 0000 0000 0000 0000 0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 2000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 09cc 0005 0000 ffff 0032 0038 0253 0000 0000 0000 0000 00f3 0000 0003 0015 0000 0000 0000 00f2 0000 0014 0138 01db 00c3 0000 01aa 0000 0062 0054 01c9 0000 0000 0000 0000 0000 0000 0000 025c ffff 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000 0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0006 2000 1dff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102 0001 0000 0000 0036 4334 3231 0000 0000 4f58 5200 4343 4200 2020 2020 2020 2020 2020 0000 4e36 3838 374c 0000 0000 0037 3937 0000 0056 0000 0000 0020 0000 0000 0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG X	QUA NM	BEACON Y	ALT NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:55.270	25	6.50	3070	270	5				79.67	163.41	5		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:55.490	Radar Report Msg	0b01 001c 003b 6f82 13eb 28da 0340 2ff8 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG X	QUA NM	BEACON Y	ALT NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		6.78	3035	267	3				79.31	163.14	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6f82 13d4 28c9 0364 2f6c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	15.47	2999	264	4			70.55	164.05	4		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6f82 11a3 2903 07bc 2edc 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	14.03	3044	268	6			72.14	164.78	6		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6f82 1209 2932 0704 2f90 0206 0600 0003 0202 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	13.28	3139	276	1					73.42	166.47	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6f82 125b 299e 06a4 310c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	13.75	3120	274	2					72.84	166.25	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:55.500	Radar Report Msg	0b01 001c 003b 6fe6 1236 2990 06e0 30c0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	13.44	3130	275	1					73.22	166.34	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6fe6 124e 2996 06b8 30e8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS

	11.50	3211	282	1			75.61	166.98	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 6fe6 12e7 29bf 05c0 322c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:04:55.370	26	10.13	3235	284	1		77.03		166.67	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:55.600	Radar Report Msg	0b01 001c 003b 704a 1342 29ab 0510 328c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	13.94	3283	289	4			74.19		169.41	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 704a 128c 2a5a 06f8 334c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	10.13	3258	286	1					77.20	166.98	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 704a 134d 29bf 0510 32e8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	14.09	3290	289	1					74.14	169.63	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 704a 1289 2a68 070c 3368 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:55.700	297		2	1056		-17	+92		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PREDICTED DEG	SYSTEM RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-41.34	-0.83	268	41.32	3059	269	41.35	45.61	171.52	93	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
349	+6629	+6500	+6533	+6584	+11	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:55.700	Active Track Maintenance Msg	1700 0058 0000 cdc2 0000 cf2a 0000 cc2b 003b 6f79 fbf7 0058 eb55 ff96 0000 0000 febb 068b 0000 bf3b 2959 022e 7fff 2958 0ccc 0b67 2ae1 06aa 0129 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:55.700	9	2	1275	-4	-2				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-12.52	-11.01	228	16.65	2602 229	16.68	70.88	154.38	4	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
236	-470	-599	-599	-599	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 ffff ed41 ffff f14b ffff ed41 003b 6d77 fbf7 0000 f9bd fa7f 0000 0000 ffb7 ffd0 0000 a2a6 10ae 02bd 7fff 10ac 0000 11b8 2698 0057 0009 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR ALT	SC STAT	TYP	SYS
6.56	3300	290	7				80.55	165.45	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:55.710	Radar Report Msg	0b01 001c 003b 70ae 1423 295d 0348 3390 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR ALT	SC STAT	TYP	SYS
5.03	3316	291	3				81.92	164.64	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 70ae 147b 2929 0284 33d0 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR ALT	SC STAT	TYP	SYS
01:04:55.590	27	36.47	3411	300	4		59.78	187.34	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:55.820	Radar Report Msg	0b01 001c 003b 7126 0ef2 2ed6 123c 354c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.00	3378	297	7				82.23	164.97	7			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7126 148f 293e 0280 34c8 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.25	3427	301	4				80.84	166.91	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7126 1436 29ba 03a0 358c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	COR X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.03	3405	299	5				82.34	165.14	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7126 1496 2949 0284 3534 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	5.03	3435	302	6					82.50	165.30	6		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7126 14a0 2953 0284 35ac 0206 0600 0003 0202 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:55.920	84	N774CS	2	3376	3376	1W	+165	-150	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7
-19.50	+3.01	278	19.73	3171 279	19.74	67.72	169.67	224	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: YES

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
132	+9429	+9300	+9288	+9247	-8	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:55.920	Active Track Maintenance Msg	1700 0058 0001 20fb 0001 26aa 0001 2243 003b 6ff8 fbf7 ffba f640 0181 0000 0000
		0bcd f548 0000 c63b 13be 06fe 7fff 13bc 0006 10ee 2a6b 0ff1 0054 0000 0000 714e
		071f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

0000 0000 0000 0000 0000 0000 0000 0000 06fe 0003 012c ffff f830 0037 01ab 0000
0000 0000 0000 017e 0000 0007 002e 0000 0000 0000 00a9 0000 0215 0249 0054 0250
0000 021b 0000 0213 0091 014a 0000 0000 0000 0000 0000 0000 0000 03cb ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2056 2eff 0000 0000 0000 0000 0000 0101 0003 0000 0001 0001 0502
0001 0000 0000 0043 4332 3130 0000 0000 5341 3900 544f 4100 2020 2020 2020 2020
2020 0000 4e37 3734 4353 0000 0000 0036 3032 0000 0057 0000 0000 0020 0000 004f
4646 5620 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.03	3451	303	6			82.58	165.38	6		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:55.930	Radar Report Msg	0b01 001c 003b 7144 14a5 2958 0284 35ec 0206 0600 0003 0202 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	45.16	3471	305	2					56.61	196.27	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7144 0e27 3111 1694 363c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	55.47	3428	301	4					47.23	201.67	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7144 0bcf 326b 1bbc 3590 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	42.88	3446	303	5					56.86	193.44	5		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7144 0e37 305c 1570 35d8 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	9.25	3476	306	4					79.94	168.83	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

	Radar Report Msg	0b01 001c 003b 7144 13fc 2a35 04a0 3650 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.03	3499	308	3			82.84		165.59		3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7144 14b6 2966 0284 36ac 0203 0300 0003 0003 1d00 0000
01:04:56.040	Delete Track Msg	1704 0008 016b 0510

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:56.040 194 DDA77 2 4043 4043 1M +327 -296 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-38.55 +13.19 289 40.70 3285 289 40.67 51.89 184.33 442 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
132 +14829 +14700 +14675 +14442 -42 +3 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:04:56.040 Active Track Maintenance Msg 1700 0058 0001 c351 0001 cf6a 0001 ca9b 003b 7079 fbf7 feac ecb9 0698 0000 0000
1753 eae2 001c cd5a 28ac 0823 7fff 28c0 1bc6 0cf9 2e15 1f77 00c2 0000 0000 0000
041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0823 0007 0136 ffff 0172 003f 0204 0000
0000 0000 0000 0007 0000 0007 0000 0000 0000 0000 00ab 0000 0090 00b2 00c2 0000
0000 0000 0000 00c8 01da 00f5 0000 0000 0000 0000 0000 0000 0000 023d ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000 0100 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0005 2000 35ff 0000 0000 0000 0000 0000 0100 0000 0000 0001 0001 0102
0001 0000 0000 0043 4c4a 3335 0000 0000 4649 4d00 5656 5600 2020 2020 2020 2020
2020 0000 4444 4137 3700 0000 0000 0033 3535 0000 004d 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE--- ASSIGNED	BEACON CODE--- REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:56.040	101	2	4661		+28	-72			RADAR-ONLY: NO

FIRMNESS: 24

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
-6.15	-1.50	256	6.30	2915 256	6.34	79.45	161.94	77	INHIBIT MSAW PROCESS: INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
158	+1029	+900	+882	+940	+13	+0	01111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 1d62 0000 202a 0000 1b94 003b 6ed7 fbf7 006a fced ff40 0000 0000 0202 fad6 0002 b637 0657 09b1 7fff 0654 0003 13dd 287c 058b 0065 0000 0000 0100 060f 1800 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:56.040	400	2	4675	-198	-49				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-44.93	+32.15	305	55.19	3477 306	55.26	50.50	204.28	204	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
256	+14029	+13900	+13900	+13900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:56.040	Active Track Maintenance Msg	1700 0058 0001 b260 0001 b66a 0001 b260 003b 714f fbf7 0000 e989 1013 0000 0000 f1e7 fc7b 0000 d955 3742 09bd 7fff 3740 402d 0ca0 3312 0e88 0190 0000 0000 001c 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:56.040	51	2	1331	-204	+274				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-28.21	+22.72	308	36.18	3514 309	36.22	64.45	190.67	342	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
323	+31000	+31000	+31000	+31000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0003 c8c0 0003 c8c0 0003 c8c0 003b 7179 0000 0000 f1e5 0b5c 0000 0000
f17b 1388 0000 dba2 2438 02d9 7fff 2438 003b 101d 2fab 1857 0033 0000 0000 0400
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:56.040	56	2	4752		-132	+180			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-30.03	+25.27	310	39.21	3528 310	39.23	63.16	193.84	224	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
323	+12029	+11900	+11900	+11900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 73e0 0001 77ea 0001 73e0 003b 7189 fbf7 0000 f0fc 0ca3 0000 0000
f695 0cdb 0000 dc85 273b 09ea 7fff 2740 1d00 0fca 3076 0ff0 0038 0000 0000 1808
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:04:56.040 322 N900RL 2 3601 3601 1Y +61 -196 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-9.36 +8.13 311 12.36 3538 311 12.38 78.80 172.05 205 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
162 +5629 +5500 +5477 +5369 -15 +3 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 a7cd 0000 afea 0000 ab28 003b 7194 fbf7 ff83 fb52 0410 0000 0000
0465 f207 001a dd28 0c61 0781 7fff 0c64 0000 13b3 2b03 0ea6 0142 0000 0000 0000
041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0781 008a 0122 ffff 01c2 0037 01b6 0000
0000 0000 0000 00ef 0000 0001 0001 0000 0000 0000 008f 0000 012b 00a5 0142 009b
0000 01c6 0000 01cb 000c 020d 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0100 0000 0000 0000 0000 0100 0000 0000 0001 0001 0702

0001 0000 0000 0031 474c 4634 0000 0000 504d 4400 5656 5600 2020 2020 2020 2020
2020 0000 4e39 3030 524c 0000 0000 0035 3736 0000 0059 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:56.040	392	2	7304		-253	+278			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID
-30.53	+26.82	311	40.61	3541 311	40.65	63.16	195.36	376	ALTITUDE: YES

FIRMNESS: 6

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
317	+24900	+24900	+24922	+25156	+49	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0003 1222 0003 0a20 0003 0ad3 003b 7198 0000 018f f0bc 0d69 0000 0000
		edf7 13c8 fffe dd5b 28a7 0ec4 7fff 28a4 0000 0fca 30d7 1ac5 0188 0000 0000 0000
		061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:56.040	384	2	1200		+97	+56			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-32.92	-0.51	269	32.88	3061 269	32.93	53.83	169.69	112	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
59	+5629	+5500	+5500	+5500	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 abe0 0000 afea 0000 abe0 003b 6f7c fbf7 0000 ef8a ffbf 0000 0000
		06f1 040c 0000 bf58 20ed 0280 7fff 20ec 0000 0d75 2a6c 0809 0180 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
01:04:55.810	29	5.03	3578	314	3				83.33	165.92	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:56.050	Radar Report Msg	0b01 001c 003b 719e 14d5 297b 0284 37e8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	1.66	3567	314	0			85.17	162.78	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 719e 154b 28b2 00d4 37bc 0200 0000 0000 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.31	3667	322	1			83.78	166.48	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 719e 14f2 299f 02a8 394c 0201 0100 0001 0000 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.03	3604	317	3			83.48	166.02	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:56.050	Radar Report Msg	0b01 001c 003b 7202 14df 2981 0284 3850 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.03	3635	319	3			83.69	166.11	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7202 14ec 2987 0284 38cc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
8.41	3690	324	3			82.81	169.53	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7202 14b4 2a62 0434 39a8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
4.81	3691	324	3			84.14	166.06	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 7216 1509 2984 0268 39ac 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.03	3683	324	4						84.02			166.27	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7216 1501 2991 0284 398c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.03	3722	327	7						84.28			166.36	7		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7216 1512 2997 0284 3a28 0207 0700 0003 0302 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:55.920	30	21.94	3789	333	5		81.11	183.20	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:56.150	Radar Report Msg	0b01 001c 003b 727a 1447 2dcd 0af8 3b34 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	0.34	3827	336	0			85.73	162.06	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 727a 156f 2884 002c 3bcc 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	6.25	3857	339	2			85.09	167.83	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:56.260	Radar Report Msg	0b01 001c 003b 72e8 1546 29f5 0320 3c44 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.03	3834	337	1			85.08	166.55	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 72e8 1545 29a3 0284 3be8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM STAT	SYSTEM COR	SYSTEM PROC	STR	SC	TYP	SYS
6.19	3867	340	3				85.20	167.78	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 72e8 154d 29f2 0318 3c6c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM STAT	SYSTEM COR	SYSTEM PROC	STR	SC	TYP	SYS
1.94	3845	338	0				85.63	162.88	0		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 72e8 1568 28b8 00f8 3c14 0200 0000 0000 0303 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: DEP
01:04:56.490 74 N40905 2 6701 6701 0 -61 +74 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-10.16 +16.89 329 19.68 3743 329 19.71 80.23 180.70 96 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
320 +10029 +9900 +9918 +9918 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:04:56.490 Active Track Maintenance Msg 1700 0058 0001 35f5 0001 396a 0001 35f5 003b 727a fbf7 0000 faeb 0872 0000 0000
fb9c 0551 0000 e9f5 13b5 0dc1 7fff 13b8 0000 140f 2d2d 06e5 004a 0000 0000 0100
041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0dc1 0000 0064 0064 0064 058a 0094 0000
0000 0000 0000 0000 0000 0058 0005 0000 0000 0000 029c 0000 01cc 012f 004a 01c6
0000 0213 0000 0001 0134 005a 0000 0000 0000 0000 0000 0000 0000 00dc ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 9900 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
0001 0000 0000 0043 5032 3852 0000 0000 4d59 4600 4c48 5300 2020 2020 2020 2020
2020 0000 4e34 3039 3035 0000 0000 0035 3837 0000 0000 0000 0000 0020 0000 0056
3539 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

END TIME START TIME TARGET REPORTS: LIVE SIMULATED VALID MODE-C: 0

01:04:56.270 01:04:51.720 RADAR-ONLY 122 0 0.0%
SENSOR = 2 BEACON-ONLY 0 0
RADAR & BEACON 0 0 VALID MODE-3/A: 0
TOTAL 122 0 0.0%

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:56.580	Sensor Sector Mark Msg	1715 000c 003b 73ce 0000 0200

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:56.370	1	8.63	3977	350	2		86.39	170.28	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:56.590	Radar Report Msg	0b01 001c 003b 73ba 1599 2a92 0450 3e24 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	10.59	3997	351	2			86.86		172.23	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 73ba 15b7 2b0f 054c 3e74 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	28.59	4010	352	3			89.30		190.16	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 73ba 1653 2f8a 0e4c 3ea8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	11.09	4049	356	2			87.77		172.63	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 73ba 15f1 2b28 058c 3f44 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	8.69	4067	357	3			87.56		170.17	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:56.600 Radar Report Msg 0b01 001c 003b 7432 15e4 2a8b 0458 3f8c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	8.88	20	2	3			88.23	170.20	3			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7432 160f 2a8d 0470 0050 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	5.81	32	3	4			87.44	167.16	4			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7432 15dc 29ca 02e8 0080 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	9.06	53	5	2			88.72	170.25	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7432 162e 2a90 0488 00d4 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:56.700	369	2	1007		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+59.03	-14.52	103	60.75	1181 104	60.79	139.09	132.78	263	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
0	+16029	+15900	+0	+16029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:56.700	Active Track Maintenance Msg	1700 0058 0001 f4ea 0001 f4ea 0000 0000 0000 0000 fbf7 0000 1d84 f8bd 0000 0000
		0000 0000 0000 49d4 3cca 0207 49d4 3cca 0000 22c6 2132 12b6 0171 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:56.470	2	5.88	56	5	2		87.66	167.16	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:56.700	Radar Report Msg	0b01 001c 003b 7496 15ea 29ca 02f0 00e0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X NM	SYSTEM Y NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	6.41	122	11	1			88.42	167.42	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7496 161b 29db 0334 01e8 0201 0100 0001 0000 1d00 0000
01:04:56.920	Delete Track Msg	1704 0008 0114 0010

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:57.020	358		2	7303	+313	+235			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+1.38	+19.13	4	19.17	44 4	19.16	91.88	179.77	392	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
53	+19000	+19000	+19040	+19202	+35	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:57.020	Active Track Maintenance Msg	1700 0058 0002 5813 0002 51c0 0002 5301 003b 7402 0000 0118 00b1 0991 0000 0000 1650 10b9 0000 02c9 1328 0ec3 02f0 1330 0000 16f8 2cf1 1be3 0166 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:57.020	460	EJA631	2	4757	4757	0	-265	-154	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+2.70	+25.41	6	25.52	68 6	25.54	94.80	185.69	306	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
239	+11129	+11000	+10999	+10798	-43	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0001 5174 0001 5bca 0001 57ba 003b 741b fbf7 fea5 015a 0cb5 0000 0000
ed25 f50a 0000 0448 1989 09ef 0450 1990 1be0 17b3 2e6c 15d0 01cc 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0000 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09ef 0000 0172 ffff ffff 003c 026d 0000
0000 0000 0000 0001 0001 0001 0001 0000 0000 0000 009a 0000 003e 01bd 01cc 01a5
0000 01e5 0000 01c8 005b 0124 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2fff 0100 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0702
0001 0000 0000 0031 4335 3658 0000 0000 504d 4400 564e 5900 2020 2020 2020 2020
2020 0000 454a 4136 3331 0000 0000 0039 3135 0000 0000 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:56.710	3	10.69	229	20	2		91.80		170.50	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:57.030	Radar Report Msg	0b01 001c 003b 7586 16f3 2aa0 0558 0394 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.34	195	17	1			91.14		170.52	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7586 16c9 2aa1 052c 030c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.59	245	22	2			91.95		170.28	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7586 16fd 2a92 054c 03d4 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:57.140	491	2	2734	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X	DISPLAY NM	DISPLAY Y	DISPLAY NM	PRED_AZIM AZI DEG	PREDICTED RANGE NM	SYSTEM ACP	SYSTEM DEG	SYSTEM RANGE NM	SPEED X	SPEED NM	SPEED Y	SPEED NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0
														VALID ALTITUDE: YES

+32.18 -22.03 124 38.93 1415 124 39.00 111.27 132.34 125 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+829	+700	+0	+829	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:57.140	Active Track Maintenance Msg	1700 0058 0000 19ea 0000 19ea 0000 0000 0000 0000 fbf7 0000 1017 f4fc 0000 0000 0000 0000 0000 0000 5875 26ff 05dc 5875 26ff 0000 1bd1 2116 08eb 01eb 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:56.920	5	7.22	490	43	1		91.70		165.58	1			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 764e 16ed 2965 039c 07a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.22	467	41	1			91.58	165.80	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 764e 16e5 2973 039c 074c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.41	515	45	1			92.02	165.45	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 764e 1701 295d 03b4 080c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:57.030	6	31.72	627	55	3		115.48	172.78	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:57.250	Radar Report Msg	0b01 001c 003b 76bc 1cdf 2b32 0fdc 09cc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	3.63	697	61	4			88.91	162.63	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:57.360 Radar Report Msg 0b01 001c 003b 7720 163a 28a8 01d0 0ae4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	4.03	732	64	7						89.39		162.53	7		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:57.360	Radar Report Msg	0b01 001c 003b 772a 1659 28a2 0204 0b70 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	1.84	743	65	0						86.98		162.05	0		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 772a 15bf 2883 00ec 0b9c 0200 0000 0000 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
3.06	694	61	5				88.28	162.47	5		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 772a 1612 289e 0188 0ad8 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
3.91	776	68	2				89.28	162.27	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 772a 1652 2891 01f4 0c20 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
53.91	795	70	4				139.39	166.95	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 772a 22d9 29bd 1af4 0c6c 0204 0400 0005 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:57.460	311	2	4611		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PREDICTED DEG	RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES

+39.16 -46.17 139 60.48 1589 140 60.54 111.86 107.23 261 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+7029	+6900	+0	+7029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:57.460	Active Track Maintenance Msg	1700 0058 0000 dbaa 0000 dbaa 0000 0000 0000 0000 fbf7 0000 1395 e8ea 0000 0000 0000 0000 0000 6356 3c8b 0989 6356 3c8b 0000 1bf7 1acf 129c 0137 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR SYSTEM	SYSTEM PROC	STR	SC	TYP	SYS
01:04:57.240	7	31.66	826	73	3		117.33		163.33	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:57.470	Radar Report Msg	0b01 001c 003b 7798 1d55 28d5 0fd4 0ce8 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:57.680	6	2	1274		+2	+7			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+37.55	+17.89	64	41.54	733 64	41.60	126.61	169.64	7	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
19	-770	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:57.680	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e7eb ffff e3e1 003b 7707 fbf7 0000 12c6 08f2 0000 0000
		002e 0082 0000 2dd6 299a 02bc 2de0 2998 0000 1fa7 2a69 008a 0006 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:57.360	8	5.28	973	86	4		90.70	160.94	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:57.690	Radar Report Msg	0b01 001c 003b 787e 16ad 283c 02a4 0f34 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		4.06	995	87	3		89.41	161.05	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 787e 165a 2843 0208 0f8c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:57.570	9	2.91	1123	99	0		87.97	160.88	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:57.800	Radar Report Msg	0b01 001c 003b 78ec 15fe 2838 0174 118c 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		45.47	1124	99	6		127.44	143.75	6			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 78f6 1fdc 23f0 16bc 1190 0206 0600 0004 0302 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:57.900	424	2	4603		-244	-226			RADAR-ONLY: NO

FIRMNESS: 29

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+48.69	+6.77	82	49.15	934 82	49.14	134.48	156.06	333	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
227	+18100	+18100	+18110	+17840	-58	+0	11011

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:57.900	Active Track Maintenance Msg	1700 0058 0002 2d83 0002 35a0 0002 35f6 003b 77e8 0000 fe2c 1858 0362 0000 0000 eea2 efe6 0000 3a60 3124 0983 3a60 3128 5858 219f 2704 17af 01a8 0000 0000 0584 051b 1d00 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	52.66	1204	106	4			131.09	135.13	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:57.910	Radar Report Msg	0b01 001c 003b 795a 20c6 21c8 1a54 12d0 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	7.63	1170	103	4			92.38	158.39	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 795a 1718 2799 03d0 1248 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	5.94	1210	106	1					90.66	158.89	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 795a 16aa 27b9 02f8 12e8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	2.91	1146	101	0					87.94	160.80	0		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 795a 15fc 2833 0174 11e8 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
7.56	1171	103	4			92.31	158.41	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 795a 1714 279a 03c8 124c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
11.28	1241	109	5			95.05	155.63	5		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 795a 17c3 26e8 05a4 1364 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:58.020	527	2	4676	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+23.95	-25.90	137	35.25	1561 137	35.27	102.33	130.70	92	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1929	+1800	+0	+1929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:58.020	Active Track Maintenance Msg	1700 0058 0000 3c4a 0000 3c4a 0000 0000 0000 0000 fbf7 0000 0bfa f30d 0000 0000

0000 0000 0000 6196 2346 09be 6196 2346 0000 1995 20ad 0697 020f 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:58.020	248	2		0772			-241	-88	RADAR-ONLY: NO

FIRMNESS: 37

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+56.64	-1.91	91	56.65	1046	92	56.68	140.00	145.66	256 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
250	+15729	+15600	+15595	+15477	-25	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:58.020	Active Track Maintenance Msg	1700 0058 0001 e3ab 0001 eb8a 0001 e759 003b 7866 fbf7 ff36 1c52 ff0b 0000 0000 eeda f9b9 0001 4163 38af 01fa 4160 38ac 0003 2300 246a 1243 00f8 0000 0000 796e 061f 2500 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:57.710	10	6.31	1257	110	2		90.75	158.33	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:58.020	Radar Report Msg	0b01 001c 003b 79b4 16b0 2795 0328 13a4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		6.34	1232	108	3		90.91	158.50	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 79b4 16ba 27a0 032c 1340 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		21.00	1259	111	3		102.84	149.73	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 79be 19b6 256f 0a80 13ac 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		5.22	1270	112	2		89.77	158.89	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 79be 1671 27b9 029c 13d8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	47.09	1285	113	4			123.03		133.11		4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 79be 1ec2 2147 178c 1414 0204 0400 0005 0003 1d00 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:58.120 523 2 0646 -220 -97 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+37.87 -2.32 93 37.88 1062 93 37.93 121.75 150.02 241 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
246 +12229 +12100 +12068 +12010 -12 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:04:58.120 Active Track Maintenance Msg 1700 0058 0001 7750 0001 7e2a 0001 7921 003b 787b fbf7 ff9c 12ef fed7 0000 0000
f04f f910 0000 4268 25ed 01a6 4280 25f0 5858 1e70 2581 1128 020b 0000 0000 0b24
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: DEP
01:04:58.120 394 N121NA 2 1320 1320 1V -134 +10 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 8
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+16.57 -3.02 100 16.83 1141 100 16.85 101.00 154.72 134 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
274 +5929 +5800 +5795 +5791 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 b4fd 0000 b94a 0000 b51c 003b 78d2 fbf7 fffa 0849 fe7d 0000 0000
f675 00bf 0000 475b 10d9 02d0 4760 10d8 07c8 1940 26ae 0992 018a 0000 0000 0000
081f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 02d0 0005 003c 003c 003c 0000 023d 0000
0000 0000 0000 0000 0000 0024 0003 0000 0000 0000 02db 0000 001a 015e 018a 0099
018b 0027 0000 0113 0248 0168 0000 0000 0000 0000 0000 0000 0000 020e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 a4ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5041 3434 0000 0000 5241 4c00 5344 3800 2020 2020 2020 2020
2020 0000 4e31 3231 4e41 0000 0000 0036 3932 0000 0056 0000 0000 0020 0000 0046
3036 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:58.120 519 2 1631 -160 -97 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+49.52 -11.12 102 50.72 1168 103 50.77 130.83 138.55 187 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
238 +8029 +7900 +7900 +7900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 f6e0 0000 faea 0000 f6e0 003b 78f0 fbf7 0000 18c2 fa71 0000 0000
f49c f91a 0000 490c 32c5 0399 4900 32c0 07e9 20b5 22a3 0d51 0207 0000 0000 1da2
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:58.120 339 2 2201 -174 -56 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+46.02 -13.95 106 48.06 1217 107 48.11 126.73 136.69 183 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
252 +7829 +7700 +7723 +7593 -35 -3 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 ed4a 0000 f4aa 0000 f159 003b 7926 fbf7 fee4 1703 f906 0000 0000
f390 fbff ffe7 4c19 301c 0481 4c00 3018 00a4 1faf 222c 0d11 0153 0000 0000 0187
041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:58.120	298	2		0771			-217	-75	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+25.10	-7.36	106	26.11	1210 106	26.16	108.16	148.38	230	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
251	+8629	+8500	+8539	+8465	-16	+0	11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 0889 0001 0daa 0001 0adb 003b 791f fbf7 ff7f 0c8d fc52 0000 0000
		f087 faa7 0000 4ba7 1a29 01f9 4ba0 1a28 a00f 1b0a 2518 105f 012a 0000 0000 09a7
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:04:57.810	11	47.41	1325	116	5			121.44		130.67	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:58.130	Radar Report Msg	0b01 001c 003b 79d2 1e5c 20ab 17b4 14b4 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
		7.34	1291	113	1			91.39		157.41	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 79d2 16d9 275a 03ac 142c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
		22.66	1298	114	7			103.38		147.69	7		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 79d2 19d8 24ec 0b54 1448 0207 0700 0003 0302 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:58.240 321 2 4665 +0 +0 RADAR-ONLY: NO
FIRMNESS: 63
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 0
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+43.95 -3.45 94 44.07 1075 94 44.08 127.38 147.31 145 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
0 +2029 +1900 +0 +2029 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:58.240	Active Track Maintenance Msg	1700 0058 0000 3f6a 0000 3f6a 0000 0000 0000 0000 fbf7 0000 15f9 fe47 0000 0000
		0000 0000 0000 4330 2c14 09b5 4330 2c14 0000 1fd8 24d4 0a55 0141 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:58.040	12	41.84	1418	125	4		113.02		130.14	4					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:58.240	Radar Report Msg	0b01 001c 003b 7aae 1c41 2089 14ec 1628 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	28.97	1387	122	7		105.64		140.83	7						RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7aae 1a69 2335 0e7c 15ac 0207 0700 0003 0302 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:58.340	245	2	5266	+0	+0		RADAR-ONLY: NO		

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+44.09	-6.80	98	44.57	1123 99	44.61	126.66	144.03	149	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	SLID WINDOW
0	+3929	+3800	+0	+3929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:58.340	Active Track Maintenance Msg	1700 0058 0000 7aca 0000 7aca 0000 0000 0000 0000 fbf7 0000 160b fc9a 0000 0000

0000 0000 0000 463b 2c9b 0ab6 463b 2c9b 0000 1faa 2402 0a99 00f5 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:58.340	389	2	1654		-157	+104			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID
+39.90	-13.45	108	42.08	1236 109	42.11	120.94	138.73	188	ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
303	+6029	+5900	+5901	+5800	-21	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:58.340	Active Track Maintenance Msg	1700 0058 0000 b545 0000 bc6a 0000 b86c 003b 793c fbf7 ff52 13f3 f947 0000 0000
		f4d2 0769 0000 4d45 2a1c 03ac 4d40 2a1c 0503 1e3c 22af 0d69 0185 0000 0000 001c
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:58.340	590		2	4624		-24	-104		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+33.59	-16.84	116	37.54	1326 117	37.55	113.98	137.05	107	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
193	+2929	+2800	+2793	+2790	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 5732 0000 5b8a 0000 574c 003b 79a2 fbf7 fffb 10cc f794 0000 0000
		fe40 f88b 0000 52e3 258e 0994 52f0 2594 0000 1c7f 2243 07a9 024e 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:04:58.340	207	N8451R	2	4647	4647	1X	-84	+70	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+4.83	-2.47	116	5.39	1336 117	5.41	89.77	158.28	109	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
310	+6029	+5900	+5900	+5900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 b860 0000 bc6a 0000 b860 003b 79a8 fbf7 0000 026a fec4 0000 0000
fa03 0508 0000 5381 0568 09a7 5340 056c a004 1671 2792 07d2 00cf 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09a7 0015 003c 003c 003c 0028 0068 0000
0000 0000 0000 0000 0000 0026 0001 0000 0000 0000 00b0 0000 0037 00e1 00cf 0041
0000 00ec 0000 01bb 0036 00bd 0000 0000 0000 0000 0000 0000 0000 020c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5032 3841 0000 0000 504f 4300 5656 5600 2020 2020 2020 2020
2020 0000 4e38 3435 3152 0000 0000 0036 3633 0000 0058 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:58.140	13	11.69	1567	138	7		91.13	151.58	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:58.360	Radar Report Msg	0b01 001c 003b 7b1c 16c8 25e5 05d8 187c 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	24.31	1531	135	3			98.17	141.00	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7b1c 188b 2340 0c28 17ec 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	28.72	1602	141	7			97.66	135.75	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7b1c 186a 21f0 0e5c 1908 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	58.22	1652	145	4			105.78	107.20	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 7b1c 1a72 1acd 1d1c 19d0 0204 0400 0005 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:58.460	155	2	3275		+92	+160			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+29.19	-19.63	124	35.17	1409 124	35.16	109.02	135.47	185	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
29	+5029	+4900	+4900	+4900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:58.460	Active Track Maintenance Msg	1700 0058 0000 9920 0000 9d2a 0000 9920 003b 7a00 fbf7 0000 0e98 f630 0000 0000
		068c 0b6e 0000 5810 2329 06bd 5820 232c a009 1b41 21de 0d2c 009b 0000 0000 2600
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:58.460	451	2	3220		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+3.73	-15.40	166	15.81	1893 166	15.84	85.45	146.00	138	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+429	+300	+0	+429	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:58.460	Active Track Maintenance Msg	1700 0058 0000 0d6a 0000 0d6a 0000 0000 0000 0000 fbf7 0000 01dd f84d 0000 0000 0000 0000 0000 7653 0fd7 0690 7653 0fd7 0000 155d 2480 09d8 01c3 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:58.230	14	5.03	1763	155	1		86.63	157.16	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7b76 15a8 274a 0284 1b8c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:58.560	278	2	4613		+235	+89			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
+22.05	-20.16	132	29.81	1508 133	29.95	101.97	136.77	251	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
69	+6029	+5900	+5899	+5899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:58.560	Active Track Maintenance Msg	1700 0058 0000 b85e 0000 bc6a 0000 b85e 003b 7a6d fbf7 0000 0b06 f5eb 0000 0000
		10bb 0661 0000 5e41 1df3 098b 5e30 1de0 2a54 197e 2231 11e8 0116 0000 0000 79d2
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:58.560	555	2	3507		+85	+179			RADAR-ONLY: NO

FIRMNESS: 34

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+25.94	-25.07	134	36.07	1525 134	36.09	104.50	131.03	199	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
25	+5029	+4900	+4900	+4900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 9920 0000 9d2a 0000 9920 003b 7a81 fbf7 0000 0cf8 f377 0000 0000
		061d 0ccc 0000 5f5b 2416 0747 5f50 2414 1fb3 1a20 20c2 0e2f 022b 0000 0000 0000
		0a1f 2200 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:58.560	437	2	1200		+6	-79			RADAR-ONLY: NO

FIRMNESS: 35

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+11.63	-1.94	99	11.79	1131 99	11.79	96.53	157.02	79	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
175	+1729	+1600	+1600	+1600	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 3200 0000 360a 0000 3200 003b 78c7 fbf7 0000 05d1 ff08 0000 0000
0079 fa5c 0000 46bf 0bc9 0280 46c0 0bcc a004 1822 2741 05a9 01b5 0000 0000 0000
0a1f 2300 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

01:04:58.560 Delete Track Msg 1704 0008 00ec 0510

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:58.700	160	2	4645		+269	+285			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+7.88	-8.67	137	11.68	1569	138	11.71	91.05	151.73	392	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
43	+17229	+17100	+17064	+17244	+39	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:58.700	Active Track Maintenance Msg	1700 0058 0002 1ae7 0002 1a6a 0002 1546 003b 7ab0 fbf7 0139 03f1 fbaa 0000 0000
		1328 1448 0000 6219 0bb6 09a5 61f0 0bb8 0000 16c3 25ef 1be6 00a0 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:58.700	329	2	4657		-138	+183			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+21.72	-21.59	134	30.58	1534 135	30.63	101.30	135.48	229	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
323	+7029	+6900	+6900	+6900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 d7a0 0000 dbaa 0000 d7a0 003b 7a8b fbf7 0000 0adc f535 0000 0000
		f629 0d0d 0000 5fe4 1ea0 09af 5fe0 1ea0 a014 1953 21df 1059 0149 0000 0000 2068
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:58.700	561	2	4745		-153	+109			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
+13.88	-15.36	137	20.66	1569 138	20.70	95.30	143.48	188	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
305	+4429	+4300	+4308	+4262	-9	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 8535 0000 8a6a 0000 86a3 003b 7ab3 fbf7 ffb1 06f1 f852 0000 0000 f514 07d2 0000 621b 14b3 09e5 6210 14b4 a014 17d3 23df 0d6f 0231 0000 0000 e84c 081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:58.700	7	2	1275		-3	+9			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID
+41.66	-14.41	109	44.04	1240 109	44.09	122.39	137.38	9	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
338	+0	+0	+0	+0	+0		00000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 0000 0000 0000 0000 0000 003b 7942 0000 0000 14d4 f8cc 0000 0000 ffbd 00a6 0000 4d8d 2c18 02bd 4d90 2c14 0000 1e99 2258 00b3 0007 0000 0000 0000 0000 2600 0203 1000 0300 0100 0000 0001 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:58.700	319	2			+41	+15			RADAR-ONLY: NO

FIRMNESS: 30

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID
+0.67	-0.21	106	0.65	1220 107	0.70	86.38	161.47	44	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
69	CST	CST	+691	+725	+7	+0	11100

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 16aa 0000 16ca 0000 159e 003b 43b8 fbf7 003a 0056 ffe5 0000 0000
02f4 0119 0000 4c43 00b4 09d5 57d0 0084 0000 1598 285e 0326 013f 0000 0000 0000
031c 1e00 0203 1001 0303 0000 0000 0001 0100 0000 0100 0101

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:58.360	15	22.47	1779	156	3			89.25		139.70	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:58.700	Radar Report Msg	0b01 001c 003b 7bee 1650 22ed 0b3c 1bcc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		23.16	1816	160	5			88.06		138.86	5		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7bee 1604 22b7 0b94 1c60 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
4.09	1786	157	3				86.31	158.11	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7bee 1594 2787 020c 1be8 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
13.72	1845	162	5				86.52	148.23	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:58.700	Radar Report Msg	0b01 001c 003b 7c66 15a1 250f 06dc 1cd4 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.56	1886	166	4				85.72	155.47	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7c66 156e 26de 0348 1d78 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
3.94	1862	164	3				85.88	158.25	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg	0b01 001c 003b 7c66 1578 2790 01f8 1d18 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	10.06	1891	166	7			85.61		151.91		7		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7c66 1567 25fa 0508 1d8c 0207 0700 0003 0302 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:58.790	176	2	4772		+155	-44			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+6.78	-9.84	145	11.91	1651 145	11.93	89.83	150.61	161	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
105	+3829	+3700	+3682	+3689	+1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:58.790	Active Track Maintenance Msg	1700 0058 0000 7349 0000 77aa 0000 7312 003b 7b13 fbf7 000c 0364 fb14 0000 0000 0b0e fcdd 0000 673f 0bee 09fa 6770 0bf4 0003 1675 25a7 0b7d 00b0 0000 0000 7cca 041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:58.790	98	2	3253		-171	-26			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
+7.19	-13.05	151	14.85	1723 151	14.89	89.42	147.39	173	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
261	+2729	+2600	+2567	+2454	-24	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 4cb3 0000 554a 0000 503e 003b 7b5d fbf7 ff3f 0398 f979 0000 0000
f3d6 fe1e 0001 6bb7 0ee5 06ab 6b80 0ee8 1d00 165b 24d9 0c4f 0062 0000 0000 0000
081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:58.790	310	2	1051		+451	+113			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+14.63	-29.97	154	33.32	1752 154	33.35	92.28	129.36	465	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
76	+24300	+24300	+24295	+24461	+36	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 fc6b 0002 f760 0002 f73d 003b 7b81 0000 0120 0751 f104 0000 0000
		201c 080e 0000 6d8f 2159 0229 6d80 215c 0000 1712 2057 211a 0136 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:58.790	530	2	4643		-274	+181			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+17.05	-40.11	157	43.52	1785 157	43.59	92.08	118.86	329	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
303	+20000	+20000	+20000	+20000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 7100 0002 7100 0002 7100 003b 7ba7 0000 0000 0886 ebf2 0000 0000
		ec7a 0ced 0000 6f95 2b96 09a3 6fa0 2b94 0000 1705 1db7 176a 0212 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:58.570	16	4.19	1976	174	2		85.20	158.02	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:58.800	Radar Report Msg	0b01 001c 003b 7cca 154d 2781 0218 1ee0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	8.91	1994	175	3				84.25		153.20	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7cca 1510 264d 0474 1f28 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	4.41	1978	174	1				85.16		157.78	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7cca 154a 2772 0234 1ee8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
4.16	2005	176	2			85.05	158.08	2		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7cca 1543 2785 0214 1f54 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:58.910	328	2	6655	+0	+0				RADAR-ONLY: NO
									FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+17.51	-20.82	140	27.19	1592 140	27.20	97.39	137.25	139	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC WINDOW
0	+529	+400	+0	+529	+0	+0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:58.910	Active Track Maintenance Msg	1700 0058 0000 108a 0000 108a 0000 0000 0000 0000 fbf7 0000 08c1 f597 0000 0000
		0000 0000 0000 6383 1b33 0dad 6383 1b33 0000 1859 2250 09f2 0148 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:04:58.680	17	31.84	2142	188	5		73.38	132.56	5	RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:58.910	Radar Report Msg	0b01 001c 003b 7d42 1258 2124 0fec 2178 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.28	2083	183	1			84.23		157.05		1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7d42 150f 2743 02a4 208c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.41	2115	186	1			83.95		157.00		1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7d42 14fd 2740 02b4 210c 0201 0100 0001 0000 1d00 0000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:59.010	Delete Track Msg	1704 0008 013f 0210

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:59.010	406	2	4622	-153	+8				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
+8.70	-21.96	158	23.59	1802 158	23.62	88.63	138.41	153	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
273	+3929	+3800	+3797	+3790	-1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:59.010	Active Track Maintenance Msg	1700 0058 0000 7677 0000 7aca 0000 76a9 003b 7bb9 fbf7 fff6 045a f505 0000 0000 f513 0094 0000 70a5 179e 0992 70a0 17a0 0000 1628 229a 0af1 0196 0000 0000 0000 081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.44	2219	195	1			83.72	158.25	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:59.130	Radar Report Msg	0b01 001c 003b 7dba 14ee 2790 0238 22ac 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS

	NM				ALT	X	NM	Y	NM	STAT		
	4.44	2243	197	1			83.59	158.33	1		RT	2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7dba 14e6 2795 0238 230c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
01:04:59.020	19	35.22	2307	203	4				64.39	133.91	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:59.230	Radar Report Msg	0b01 001c 003b 7e82 1019 217a 119c 240c 0204 0400 0005 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:59.350	55		2		-213	-74			RADAR-ONLY: NO

FIRMNESS: 33

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: NO
+10.64	-12.72	140	16.55	1594 140	16.58	92.84	146.84	226	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
250	CST	CST	+2821	+2586	-50	+0	11110

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:59.350	Active Track Maintenance Msg	1700 0058 0000 50d7 0000 61ca 0000 582e 003b 566b fbf7 fe6a 0552 f9a4 0000 0000 f0cb faaf 0000 63a0 1095 0e98 6230 10d0 0003 1736 24b6 101c 0037 0000 0000 2bc6 031e 2100 0203 1001 0303 0000 0000 0001 0100 0000 0000 0101

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:59.350	580		2	4614		-50	+73		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
-1.16	-17.05	183	17.04	2092 184	17.12	80.34	145.66	89	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
325	+5029	+4900	+4917	+4925	+1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:04:59.350 Active Track Maintenance Msg 1700 0058 0000 99e8 0000 9d2a 0000 99ab 003b 7cff fbf7 000d ff6c f779 0000 0000
fc64 0540 0000 82c6 111e 098c 7fff 1118 0000 1416 246a 065e 0244 0000 0000 fc19
091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:59.350	49	2	6311		+355	+21			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
-3.99	-44.75	185	44.92	2106 185	44.92	70.58	119.59	355	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
86	+9329	+9200	+9161	+9086	-16	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 1bf4 0001 238a 0001 1e4f 003b 7d0f fbf7 ff7e fe01 e9a0 0000 0000
1940 0181 0000 83a8 2cec 0cc9 7fff 2cf0 0000 11a5 1de6 194c 0031 0000 0000 0000
071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:59.350 379 2 6312 +240 +53 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 7
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-1.70 -12.26 187 12.36 2135 188 12.38 81.03 150.45 246 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
77 +6529 +6400 +6414 +6217 -42 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 c24e 0000 cc0a 0000 c870 003b 7d33 fbf7 feab ff26 f9df 0000 0000
111f 03c7 0000 857a 0c60 0cca 7fff 0c60 0000 1442 259d 1189 017b 0000 0000 0000
071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:59.350 173 2 6307 +532 -204 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 6
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-2.85 -16.02 190 16.24 2162 190 16.27 79.33 147.88 569 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
111	+32800	+32800	+32817	+32759	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0003 ffbe 0004 0100 0004 018c 003b 7d4f 0000 ff97 fe93 f7fe 0000 0000 25d7 f17b ffff 872d 1045 0cc7 7fff 1044 0000 13d5 24f8 2887 00ad 0000 0000 0000 061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:59.350	532	2		7234		-61	-236		RADAR-ONLY: NO

FIRMNESS: 36

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-2.82	-19.23	188	19.39	2144 188	19.36	78.17	143.97	244	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
194	+3829	+3700	+3720	+3788	+8	-2	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 7661 0000 77aa 0000 7442 003b 7d38 fbf7 0041 fe97 f662 0000 0000
		fba9 ef28 ffea 860b 135c 0e9c 7fff 1370 0000 138b 23fe 1165 0214 0000 0000 0000
		041f 2400 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:59.350	449	2		7242		-315	+152		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-6.22	-31.01	191	31.61	2177 191	31.62	72.11	133.83	350	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
295	+33000	+33000	+32997	+32997	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0004 0728 0004 0740 0004 072c 003b 7d5f 0000 0000 fce4 f07f 0000 0000
e98c 0ada 0000 881d 1f9f 0ea2 7fff 1fa0 0000 1207 2175 18f0 01c1 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:59.350	361	2		1022	+10	-277			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-5.97	-20.36	196	21.16	2237	197	21.29	74.86	143.69	277 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
177	+7329	+7200	+7237	+7598	+78	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 ed72 0000 e50a 0000 e22a 003b 7d9f fbf7 0271 fd04 f5d2 0000 0000
00bd ec4b 0000 8bda 154a 0212 7fff 1538 0000 12b7 23ec 13b8 0169 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:04:59.350 219 2 1060 -388 -125 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-6.66 -19.85 198 20.89 2259 199 20.95 74.73 144.98 408 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
252 +35000 +35000 +34997 +34997 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0004 45ac 0004 45c0 0004 45ae 003b 7dbb 0000 0000 fcac f613 0000 0000
e45e f718 0000 8d3d 14f4 0230 7fff 14f0 0000 12af 243f 1d08 00db 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:04:59.350 Delete Track Msg 1704 0008 00db 0110
Delete Track Msg 1704 0008 0082 0110

TARGET REPORTS
STIME SN RANGE ACP DEG QUA BEACON ALT COR SYSTEM SYSTEM PROC STR SC TYP SYS
NM ALT X NM Y NM STAT
01:04:59.130 20 38.41 2435 214 4 56.95 136.52 4 RT 2

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

01:04:59.360 Radar Report Msg 0b01 001c 003b 7f04 0e3d 2221 1334 260c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	5.56	2531	222	1			81.30		158.95		1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7f04 1453 27bd 02c8 278c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	5.97	2582	227	3			80.72		159.11		3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7f04 142e 27c7 02fc 2858 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.56	2507	220	1			81.41	158.78	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7f04 145a 27b2 02c8 272c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	12.47	2523	222	3			75.47	155.00	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7f04 12de 26c0 063c 276c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:04:59.230	21	6.78	2623	231	2		79.80	159.08	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:59.460	Radar Report Msg	0b01 001c 003b 7f5e 13f3 27c5 0364 28fc 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	8.69	2659	234	3			77.83	158.69	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 7f5e 1375 27ac 0458 298c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	6.63	2634	232	2			79.89		159.23		2		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7f5e 13f9 27cf 0350 2928 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	21.97	2691	237	1			65.03		154.77		1		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 7f5e 1042 26b1 0afc 2a0c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:59.790	586	2	4673		+305	-17			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-11.98	-12.23	224	17.06	2551 224	17.11	71.14	153.08	306	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
93	+10029	+9900	+9902	+9902	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:59.790	Active Track Maintenance Msg	1700 0058 0001 3576 0001 396a 0001 3573 003b 7f06 fbf7 0001 fa03 f9e2 0000 0000 15bb feca 0000 9f7c 111b 09bb 7fff 1120 003b 11c9 2645 15c4 024a 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:04:59.790	8	2	1273		-13	+0			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-37.78	-33.20	228	50.26	2602 229	50.32	40.83	139.30	13	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
272	-899	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 ffff e3e1 ffff e3e1 ffff e3e1 003b 7f3d 0000 0000 ed1c ef67 0000 0000
ff02 000a 0000 a2a1 3253 02bb 7fff 324c 0000 0a35 22d3 00fe 0008 0000 0000 67a8
0a1f 2603 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:04:59.470	23	7.22	2667	234	1			79.20	159.33	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:59.790	Radar Report Msg	0b01 001c 003b 8044 13cd 27d5 039c 29ac 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
		7.88	2693	237	2			78.47	159.38	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8044 139e 27d8 03f0 2a14 0202 0200 0001 0103 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
10.81	2667	234	1				75.78	158.02	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8044 12f2 2781 0568 29ac 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
15.75	2746	241	2				70.56	158.05	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8044 11a4 2783 07e0 2ae8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
8.72	2746	241	4				77.45	159.77	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8044 135d 27f1 045c 2ae8 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.47	2712	238	2				80.77	160.31	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 8044 1431 2814 02bc 2a60 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	1.97	2794	246	3						84.67		161.64	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:04:59.800	Radar Report Msg	0b01 001c 003b 8058 152b 2869 00fc 2ba8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	12.00	2836	249	3						73.95		160.58	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8058 127d 2825 0600 2c50 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	11.47	2851	251	3				74.45	160.89	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8058 129d 2839 05bc 2c8c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	15.06	2861	251	4				70.83	160.83	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8058 11b5 2835 0788 2cb4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	29.78	2883	253	3				56.06	160.83	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8058 0e04 2835 0ee4 2d0c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
01:04:59.790	24	15.44	2998	263	4			70.58	164.02	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:05:00.010 Radar Report Msg 0b01 001c 003b 818e 11a5 2901 07b8 2ed8 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	6.44	3065	269	7			79.72		163.34	7		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 818e 13ee 28d6 0338 2fe4 0207 0700 0003 0302 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:00.110	304		2	7342			-318	+163	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-34.48	-17.36	243	38.54	2767 243	38.61	48.44	153.88	358	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
297	+35000	+35000	+34999	+34999	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:00.110	Active Track Maintenance Msg	1700 0058 0004 45bf 0004 45c0 0004 45bf 003b 7ff8 0000 0000 eec2 f752 0000 0000 e951 0ba4 0000 acf6 269c 0ee2 7fff 269c 0003 0c1c 2678 197f 0130 0000 0000 8116 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:05:00.110	87	CPF420	2	4664	4664	1X	+122	-32	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-2.94	-1.19	248	3.17	2819 248	3.17	82.72	161.44	126	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
105	+5129	+5000	+5015	+5015	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:05:00.110 Active Track Maintenance Msg 1700 0058 0000 9cbc 0000 a04a 0000 9cbc 003b 8032 fbf7 0000 fe88 ff68 0000 0000
08ad fdaa 0000 b03a 032c 09b4 7fff 032c 0000 14ae 285c 08fc 0057 0000 0000 0000
041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09b4 0015 0032 0032 0032 003c 017c 0000
0000 0000 0000 0000 0000 0001 0026 0000 0000 0000 00ed 0000 01b0 009b 0057 0201
0000 00b1 0000 0010 0184 0185 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2eff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 4332 3036 0000 0000 5748 5000 544f 4100 2020 2020 2020 2020
2020 0000 4350 4634 3230 0000 0000 0035 3634 0000 0058 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 0005 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:00.110	591		2	0260	+47	+71			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-6.91	-1.51	257	7.04	2932 258	7.07	78.70	162.13	85	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
33	+1929	+1800	+1800	+1801	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 3848 0000 3c4a 0000 3840 003b 80af fbf7 0002 fc8b ff3f 0000 0000
		0360 0519 0000 b74c 0713 00b0 7fff 0714 fbf7 13ad 2888 061d 024f 0000 0000 fc78
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:00.110	101		2	4661	+30	-75			RADAR-ONLY: NO

FIRMNESS: 27

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
-6.10	-1.62	255	6.26	2905 255	6.32	79.47	161.81	81	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
158	+1129	+1000	+971	+1046	+16	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 20b2 0000 234a 0000 1e5d 003b 808e fbf7 0086 fcf3 ff31 0000 0000
0229 faa5 0002 b590 0651 09b1 7fff 0650 fbf7 13de 2874 05c6 0065 0000 0000 fa54
071f 1b00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:00.110	545	2	4706		-142	-28			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-25.59	-6.57	255	26.39	2908 256	26.43	59.36	161.97	144	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
258	+4029	+3900	+3900	+3900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 79e0 0000 7dea 0000 79e0 003b 8095 fbf7 0000 f334 fcb7 0000 0000
f5e5 fdf8 0000 b5c5 1a6f 09c6 7fff 1a6c fbf7 0ed7 287e 0a4f 0221 0000 0000 f9b5
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:05:00.110 362 2 0006 +210 -357 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 6
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-23.41 -3.87 260 23.68 2965 261 23.73 62.25 164.02 414 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
149 +13829 +13700 +13724 +13542 -40 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 a737 0001 b02a 0001 ace0 003b 80d5 fbf7 febf f44b fe11 0000 0000
0ef5 e69b fffe b950 17bc 0006 7fff 17bc fbf7 0f90 2901 1d79 016a 0000 0000 f9bc
061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:05:00.110 275 2 0257 +0 +0 RADAR-ONLY: NO
FIRMNESS: 63
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 0
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+36.09 +0.95 88 36.07 1006 88 36.11 120.91 153.56 118 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1729	+1600	+0	+1729	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:00.110	Active Track Maintenance Msg	1700 0058 0000 360a 0000 360a 0000 0000 0000 0000 fbf7 0000 120c 0079 0000 0000 0000 0000 0000 3eee 241b 00af 3eee 241b 0000 1e3a 2664 086c 0113 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR SYSTEM	SYSTEM PROC	STR	SC	TYP	SYS
01:04:59.800	25	13.31	3133	275	2		73.36		166.36	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:00.120	Radar Report Msg	0b01 001c 003b 81a2 1257 2997 06a8 30f4 0202 0200 0001 0103 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	13.75	3114	274	2			72.81	166.14	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 81a2 1234 2989 06e0 30a8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	12.88	3142	276	2			73.83	166.38	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 81a2 1275 2998 0670 3118 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	13.44	3130	275	2			73.22	166.34	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 81a2 124e 2996 06b8 30e8 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: OVR
01:05:00.340	274	N8063T	2	4763	4763	1V	+129	+32	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES

-15.24 -2.74 260 15.42 2956 260 15.50 70.38 163.05 133 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
76	+7029	+6900	+6907	+6909	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:00.340	Active Track Maintenance Msg	1700 0058 0000 d7ee 0000 dbaa 0000 d7d9 003b 80cb fbf7 0005 f861 fea1 0000 0000 093d 0250 0000 b8cb 0f80 09f3 7fff 0f7c 0001 1198 28c3 0986 0112 0000 0000 826a 0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09f3 0005 0032 ffff 0032 002c 022a 0000
0000 0000 0000 01f0 0000 0003 0015 0000 0000 0000 00ae 0000 0070 0245 0112 00cb
0000 002d 0000 0194 0133 00ba 0000 0000 0000 0000 0000 0000 0000 042f ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 00ff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0036 5041 3332 0000 0000 4f58 5200 4844 4600 2020 2020 2020 2020
2020 0000 4e38 3036 3354 0000 0000 0030 3030 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:05:00.340 475 N6887L 2 4714 4714 1V +182 +12 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 7
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-15.95 -1.17 266 15.98 3023 266 16.00 70.06 164.73 183 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
86 +4929 +4800 +4846 +4846 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 9770 0000 9a0a 0000 9770 003b 8118 fbf7 0000 f806 ff6a 0000 0000

0d00 00e9 0000 bcfc 1000 09cc 7fff 1000 1d00 1184 292f 0d08 01db 0000 0000 1505
071f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0004 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 2000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09cc 0005 0000 ffff 0032 0038 0253 0000
0000 0000 0000 00f3 0000 0003 0015 0000 0000 0000 00f2 0000 0014 0138 01db 00c3
0000 01aa 0000 0062 0054 01c9 0000 0000 0000 0000 0000 0000 0000 025c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 1dff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0036 4334 3231 0000 0000 4f58 5200 4343 4200 2020 2020 2020 2020
2020 0000 4e36 3838 374c 0000 0000 0037 3937 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:00.340	9	2	1275		-1	-1			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-12.51	-10.98	228	16.61	2602 229	16.68	70.89	154.38	2	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
222	-470	-599	-599	-599	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 ffff ed41 ffff f14b ffff ed41 003b 7f3d fbf7 0000 f9bf fa82 0000 0000
		ffe5 ffe3 0000 a2a3 10af 02bd 7fff 10a8 a010 11b9 2698 0027 0009 0000 0000 3c90
		0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001
01:05:00.340	Delete Track Msg	1704 0008 0185 0910

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:00.340	297	2	1056		-15	+91			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-41.35	-0.69	269	41.32	3061 269	41.37	45.63	171.64	92	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
350	+6729	+6600	+6589	+6641	+11	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:00.340	Active Track Maintenance Msg	1700 0058 0000 cf8f 0000 d24a 0000 cdee 003b 8141 fbf7 005b eb53 ffa8 0000 0000 fee5 0682 0000 bf56 295f 022e 7fff 295c 0000 0b68 2ae9 0699 0129 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:05:00.130	27	10.13	3243	285	4		77.09		166.78	4			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:00.350	Radar Report Msg	0b01 001c 003b 826a 1346 29b2 0510 32ac 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	13.94	3284	289	4			74.20		169.44	4			RT	2				

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 826a 128d 2a5c 06f8 3350 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
14.09	3291	289	1						74.16	169.64	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:00.360	Radar Report Msg	0b01 001c 003b 82d8 128a 2a69 070c 336c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.53	3297	290	7						80.55	165.41	7			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 82d8 1423 295a 0344 3384 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
40.84	3386	298	4						55.58	189.28	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 82d8 0de5 2f52 146c 34e8 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS

8.59 3362 295 7 79.31 167.28 7 RT 2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:00.370	Radar Report Msg	0b01 001c 003b 82e2 13d4 29d2 044c 3488 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
8.19	3395	298	1			79.91	167.31	1			RT	2						

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 82e2 13fa 29d4 0418 350c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
23.53	3370	296	3			68.02	177.19	3			RT	2						

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 82e2 1101 2c4c 0bc4 34a8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X NM	Y NM	STAT					
	5.03	3420	301	5			82.41	165.22	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 82e2 149a 294e 0284 3570 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X NM	Y NM	STAT					
	7.22	3429	301	4			80.89	166.89	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 82e2 1439 29b9 039c 3594 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X NM	Y NM	STAT					
	42.84	3447	303	5			56.92	193.45	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 82e2 0e3b 305d 156c 35dc 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X NM	Y NM	STAT					

45.16 3460 304 4 56.03 195.77 4 RT 2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 82e2 0e02 30f1 1694 3610 0204 0400 0005 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:00.550	84	N774CS	2	3376	3376	1W	+161	-156	ARR

RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8
-19.30	+2.80	278	19.45	3166 278	19.50	67.88	169.42	224	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: YES

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
134	+9329	+9200	+9225	+9176	-10	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:00.550	Active Track Maintenance Msg	1700 0058 0001 1ec3 0001 238a 0001 204b 003b 81b7 fbf7 ffaa f65a 0167 0000 0000
		0b85 f4e8 0000 c5ea 137f 06fe 7fff 1380 1d00 10f8 2a5b 0ffe 0054 0000 0000 27e2
		081f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 06fe 0003 012c ffff f830 0037 01ab 0000
		0000 0000 0000 017e 0000 0007 002e 0000 0000 0000 00a9 0000 0215 0249 0054 0250
		0000 021b 0000 0213 0091 014a 0000 0000 0000 0000 0000 0000 0000 03cb ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
		0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2056 2eff 0000 0000 0000 0000 0000 0101 0003 0000 0001 0001 0502
		0001 0000 0000 0043 4332 3130 0000 0000 5341 3900 544f 4100 2020 2020 2020 2020
		2020 0000 4e37 3734 4353 0000 0000 0036 3032 0000 0057 0000 0000 0020 0000 004f
		4646 5620 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED:
01:05:00.550	194	DDA77	2	4043	4043	1M	+327	-286	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE
-38.16	+12.87	288	40.22	3282 289	40.18	52.19	183.91	435	INHIBIT MSAW PROCESS: NO

FIRMNESS: 5

VALID ALTITUDE: YES

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
131	+14529	+14400	+14401	+14128	-59	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 b986 0001 c60a 0001 c20d 003b 823c fbf7 fe27 ecec 066f 0000 0000 174d eb9c 0000 cd2a 282d 0823 7fff 2844 0b01 0d0c 2dfa 1ef6 00c2 0000 0000 0a4c 051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0823 0007 0136 ffff 0172 003f 0204 0000 0000 0000 0000 0007 0000 0007 0000 0000 0000 0000 00ab 0000 0090 00b2 00c2 0000 0000 0000 0000 00c8 01da 00f5 0000 0000 0000 0000 0000 0000 0000 023d ffff 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000 0100 0000 0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0005 2000 35ff 0000 0000 0000 0000 0000 0100 0000 0000 0001 0001 0102 0001 0000 0000 0043 4c4a 3335 0000 0000 4649 4d00 5656 5600 2020 2020 2020 2020 2020 0000 4444 4137 3700 0000 0000 0033 3535 0000 004d 0000 0000 0020 5656 5600 0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:05:00.240	28	48.41	3531	310	4		58.03	201.45	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 83b4 0e82 325d 1834 372c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	12.91	3533	311	4			78.45	172.34	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 83b4 139d 2b16 0674 3734 0204 0400 0004 0101 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	33.41	3563	313	4			68.00	190.06	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 83b4 1100 2f84 10b4 37ac 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.22	3603	317	1			83.89	165.25	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 83b4 14f9 2950 021c 384c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:05:00.580	30	5.09	3683	324	4			83.98		166.31	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:00.800	Radar Report Msg	0b01 001c 003b 84a4 14ff 2994 028c 398c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
		4.78	3698	325	4			84.20		166.05	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 84a4 150d 2983 0264 39c8 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	5.25	3675	323	4			83.88	166.45	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 84a4 14f8 299d 02a0 396c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	30.34	3763	331	3			78.14	191.14	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 84a4 1389 2fc9 0f2c 3acc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.38	3802	334	4			84.98	165.81	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 84a4 153f 2974 0230 3b68 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:00.900	384	2		1200	+88	+76			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES

-32.81 -0.34 269 32.81 3063 269 32.80 53.97 169.81 117 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
49	+5629	+5500	+5500	+5500	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:00.900	Active Track Maintenance Msg	1700 0058 0000 abe0 0000 afea 0000 abe0 003b 8146 fbf7 0000 ef98 ffd4 0000 0000 0651 056a 0000 bf73 20cd 0280 7fff 20d0 0b02 0d7e 2a74 0852 0180 0000 0000 0ea2 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:00.900	400	2	4675		-198	-47			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-45.16	+32.11	305	55.36	3474 305	55.42	50.27	204.31	204	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
256	+14029	+13900	+13900	+13900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:00.900	Active Track Maintenance Msg	1700 0058 0001 b260 0001 b66a 0001 b260 003b 8313 fbf7 0000 e96b 100e 0000 0000
		f1e4 fc99 0000 d92d 376c 09bd 7fff 376c 0000 0c91 3314 0e84 0190 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:00.900	51	2	1331		-204	+274			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-28.47	+23.07	309	36.61	3516 309	36.64	64.30	191.08	342	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
323	+31000	+31000	+31000	+31000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0003 c8c0 0003 c8c0 0003 c8c0 003b 8341 0000 0000 f1c4 0b89 0000 0000
f17a 1383 0000 dbc0 24a5 02d9 7fff 24a4 3c02 1013 2fc5 1853 0033 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:00.900	56	2	4752		-135	+179			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-30.21	+25.50	310	39.52	3529 310	39.52	63.05	194.11	224	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
323	+12029	+11900	+11900	+11900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 73e0 0001 77ea 0001 73e0 003b 8350 fbf7 0000 f0e5 0cc0 0000 0000
f661 0cc4 0000 dc94 2785 09ea 7fff 2788 2a44 0fc3 3087 0ffc 0038 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:05:00.900 322 N900RL 2 3601 3601 1Y +59 -198 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-9.28 +7.84 310 12.11 3530 310 12.16 78.80 171.77 207 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
163 +5429 +5300 +5310 +5151 -35 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 a0f8 0000 a9aa 0000 a5f4 003b 8351 fbf7 fee5 fb5c 03ec 0000 0000
0437 f1e3 fffe dcaa 0c2a 0781 7fff 0c28 0000 13b3 2af1 0ebb 0142 0000 0000 00a5
051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0781 008a 0122 ffff 01c2 0037 01b6 0000
0000 0000 0000 00ef 0000 0001 0001 0000 0000 0000 008f 0000 012b 00a5 0142 009b
0000 01c6 0000 01cb 000c 020d 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0100 0000 0000 0000 0000 0100 0000 0000 0001 0001 0702

0001 0000 0000 0031 474c 4634 0000 0000 504d 4400 5656 5600 2020 2020 2020 2020
2020 0000 4e39 3030 524c 0000 0000 0035 3736 0000 0059 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:00.900	392	2	7304		-258	+272			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
-30.89	+27.14	311	41.10	3542 311	41.13	62.89	195.75	376	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
316	+25100	+25100	+25126	+25343	+46	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0003 17ff 0003 1060 0003 1136 003b 835e 0000 0174 f08e 0d92 0000 0000
		ed98 1365 ffff dd6b 2920 0ec4 7fff 2920 a008 0fb9 30f0 1abd 0188 0000 0000 2684
		071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:05:00.900	Delete Track Msg	1704 0008 008e 0510

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
01:05:00.680	31	1.91	3846	338	0				85.64	162.83	0		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:00.900	Radar Report Msg	0b01 001c 003b 84fe 1569 28b5 00f4 3c18 0200 0000 0000 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
	4.22	3828	336	1					85.16	165.67	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 84fe 154a 296b 021c 3bd0 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
	7.03	3846	338	6					84.89	168.61	6		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:00.900	Radar Report Msg	0b01 001c 003b 8512 1539 2a27 0384 3c18 0206 0600 0003 0202 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	7.81	3841	338	2					84.73	169.41	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8512 152f 2a5a 03e8 3c04 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	6.19	3866	340	2					85.19	167.77	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8512 154c 29f1 0318 3c68 0202 0200 0001 0103 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	8.63	3978	350	2			86.41	170.28	2	RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8512 159a 2a92 0450 3e28 0202 0200 0001 0103 1d00 0000

END TIME	START TIME	TARGET REPORTS: LIVE SIMULATED		VALID MODE-C:	0
01:05:00.780	01:04:56.270	RADAR-ONLY	119 0	0.0%	
SENSOR = 2		BEACON-ONLY	0 0		
		RADAR & BEACON	0 0	VALID MODE-3/A:	0
		TOTAL	119 0	0.0%	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:01.000	Sensor Sector Mark Msg	1715 000c 003b 856c 0000 0200

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:05:01.120	74	N40905	2	6701	6701	0	-65	+73	RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PREDICTED DEG	RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5
-10.25	+16.99	328	19.80	3742	329	19.84	80.17	180.81	98	VALID ALTITUDE: YES
										INHIBIT MSAW PROCESS: NO
										INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
318	+10029	+9900	+9905	+9898	-1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:01.120	Active Track Maintenance Msg	1700 0058 0001 3555 0001 396a 0001 358d 003b 843f fbf7 fff5 fae0 087f 0000 0000

fb54 0531 0000 e9e8 13d6 0dc1 7fff 13d8 19cd 140b 2d34 06fc 004a 0000 0000 0302
051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0dc1 0000 0064 0064 0064 058a 0094 0000
0000 0000 0000 0000 0000 0058 0005 0000 0000 0000 029c 0000 01cc 012f 004a 01c6
0000 0213 0000 0001 0134 005a 0000 0000 0000 0000 0000 0000 0000 00dc ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 9900 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
0001 0000 0000 0043 5032 3852 0000 0000 4d59 4600 4c48 5300 2020 2020 2020 2020
2020 0000 4e34 3039 3035 0000 0000 0035 3837 0000 0000 0000 0000 0020 0000 0056
3539 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:05:00.990	1	5.06	4010	352	3		86.36		166.59	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:01.240	Radar Report Msg	0b01 001c 003b 85e4 1597 29a6 0288 3ea8 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		8.75	4086	359	2		87.81		170.17	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 85e4 15f4 2a8b 0460 3fd8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		19.78	19	2	3		91.31		180.75	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:01.250	Radar Report Msg	0b01 001c 003b 85f8 16d4 2d30 09e4 004c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		5.81	33	3	4		87.45		167.16	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 85f8 15dd 29ca 02e8 0084 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM STAT	SYSTEM COR	SYSTEM	PROC STR	SC	TYP	SYS
11.09	4051	356	1			87.81	172.61	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 85f8 15f4 2b27 058c 3f4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM STAT	SYSTEM COR	SYSTEM	PROC STR	SC	TYP	SYS
8.88	16	1	4			88.19	170.22	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 85f8 160c 2a8e 0470 0040 0204 0400 0001 0303 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	9.06	55	5	4		88.73	170.23	4		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 85f8 162f 2a8f 0488 00dc 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:01.340	369	2	1007	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+58.78	-14.29	103	60.45	1179	104 60.49	138.91	133.08	264	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+16029	+15900	+0	+16029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:01.340	Active Track Maintenance Msg	1700 0058 0001 f4ea 0001 f4ea 0000 0000 0000 0000 fbf7 0000 1d64 f8db 0000 0000 0000 0000 0000 49b7 3c7e 0207 49b7 3c7e 0000 22ba 2145 12d2 0171 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:05:01.130	2	6.38	122	11	1		88.41	167.41	1	RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:01.350	Radar Report Msg	0b01 001c 003b 86c0 161a 29da 0330 01e8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR SYSTEM	SYSTEM PROC	STR	SC	TYP	SYS
	6.16	138	12	1			88.44		167.13	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 86c0 161c 29c8 0314 0228 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:05:01.440 460 EJA631 2 4757 4757 0 -277 -137 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+2.29 +25.24 5 25.29 60 5 25.32 94.36 185.61 309 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
243 +10929 +10800 +10799 +10598 -43 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

01:05:01.440 Active Track Maintenance Msg 1700 0058 0001 4b34 0001 558a 0001 5178 003b 85ae fbf7 fea5 0125 0c9f 0000 0000
ec4c f638 0000 03c7 1951 09ef 03b0 1958 2a4d 1797 2e67 1600 01cc 0000 0000 416a
0a1f 2600 0201 1000 0303 0100 0000 0000 0000 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09ef 0000 0172 ffff ffff 003c 026d 0000
0000 0000 0000 0001 0001 0001 0001 0000 0000 0000 009a 0000 003e 01bd 01cc 01a5
0000 01e5 0000 01c8 005b 0124 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2fff 0100 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0702
0001 0000 0000 0031 4335 3658 0000 0000 504d 4400 564e 5900 2020 2020 2020 2020
2020 0000 454a 4136 3331 0000 0000 0039 3135 0000 0000 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:05:01.440 358 2 7303 +337 +217 RADAR-ONLY: NO
FIRMNESS: 38

DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+1.88 +19.42 5 19.46 58 5 19.50 92.44 179.92 401 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
57 +19100 +19100 +19117 +19191 +10 -2 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0002 57be 0002 54e0 0002 5569 003b 85b2 0000 0055 00f1 09b6 0000 0000
1801 0f79 ffee 03a7 137f 0ec3 03f0 1384 0307 171c 2cfb 1c8f 0166 0000 0000 0000
041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:05:01.330	3	10.34	195	17	1		91.14	170.52	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:01.560	Radar Report Msg	0b01 001c 003b 8788 16c9 2aa1 052c 030c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.59	243	21	1			91.92	170.30	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8788 16fb 2a93 054c 03cc 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.69	229	20	2			91.80	170.50	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8788 16f3 2aa0 0558 0394 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	6.09	387	34	3			90.17	165.70	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:05:01.560 Radar Report Msg 0b01 001c 003b 879c 168b 296d 030c 060c 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:01.780	491	2	2734	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+32.13	-22.20	124	39.04	1418 125	39.05	111.17	132.19	125	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+729	+600	+0	+729	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:01.780	Active Track Maintenance Msg	1700 0058 0000 16ca 0000 16ca 0000 0000 0000 0000 fbf7 0000 1010 f4e6 0000 0000
		0000 0000 0000 58a3 270d 05dc 58a3 270d 0000 1bcb 210c 08ec 01eb 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:05:01.680	6	7.22	467	41	1		91.58	165.80	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:01.900	Radar Report Msg	0b01 001c 003b 8882 16e5 2973 039c 074c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		7.38	513	45	2		91.98	165.45	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8882 16ff 295d 03b0 0804 0202 0200 0001 0103 1d00 0000
01:05:02.000	Delete Track Msg	1704 0008 0213 0110

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:05:01.780	7	3.69	697	61	2		88.97	162.64	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:02.010	Radar Report Msg	0b01 001c 003b 8954 163e 28a9 01d8 0ae4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		4.03	732	64	7		89.39	162.53	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8954 1659 28a2 0204 0b70 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	3.59	714	63	1		88.89		162.53		1			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8954 1639 28a2 01cc 0b28 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	3.91	776	68	2		89.28		162.27		2			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8954 1652 2891 01f4 0c20 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:02.220	311	2	4611		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+39.00	-45.88	139	60.21	1588 140	60.21	111.78	107.56	260	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+7029	+6900	+0	+7029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:02.220	Active Track Maintenance Msg	1700 0058 0000 dbaa 0000 dbaa 0000 0000 0000 0000 fbf7 0000 1380 e910 0000 0000 0000 0000 0000 634b 3c36 0989 634b 3c36 0000 1bf2 1ae4 1284 0137 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:02.360	6	2	1274		+4	+5			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+37.55	+17.89	64	41.54	733 64	41.61	126.61	169.64	6	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
37	-770	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:05:02.360 Active Track Maintenance Msg 1700 0058 ffff e3e1 ffff e7eb ffff e3e1 003b 88a5 fbf7 0000 12c6 08f2 0000 0000
004a 0060 0000 2dd7 299c 02bc 2de0 2998 402e 1fa7 2a69 0079 0006 0000 0000 001c
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:02.360	424	2	4603				-245	-223	RADAR-ONLY: NO

FIRMNESS: 32

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+48.36	+6.48	82	48.74	937	82	48.80	134.11	155.88	332 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
227	+17900	+17900	+17876	+17614	-56	+0	10111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:02.360	Active Track Maintenance Msg	1700 0058 0002 2675 0002 2f60 0002 2ea1 003b 898a 0000 fe3d 182e 033e 0000 0000 ee85 f014 0001 3a95 30cd 0983 3a90 30cc 0000 2187 26f8 17a5 01a8 0000 0000 0010 0617 2000 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:05:02.110	9	5.28	978	86	3		90.70		160.91	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:02.400	Radar Report Msg	0b01 001c 003b 8a4e 16ad 283a 02a4 0f48 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	2.91	1123	99	0			87.97		160.88	0		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:02.430	Radar Report Msg	0b01 001c 003b 8a9e 15fe 2838 0174 118c 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	8.78	1107	97	1			93.77		158.61	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8a9e 1771 27a7 0464 114c 0201 0100 0002 0000 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:05:02.580 523 2 0646 -222 -89 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+37.59 -2.37 93 37.63 1065 94 37.66 121.48 150.05 239 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
248 +12129 +12000 +12006 +11947 -12 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:02.580	Active Track Maintenance Msg	1700 0058 0001 755e 0001 7b0a 0001 7735 003b 8a1a fbf7 ff9b 12cc fed1 0000 0000
		f035 f99e 0000 429d 25aa 01a6 4290 25ac 0000 1e5f 2583 1108 020b 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:05:02.260	10	7.56	1170	103	4		92.31	158.42	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:02.590	Radar Report Msg	0b01 001c 003b 8b84 1714 279b 03c8 1248 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		2.91	1146	101	0		87.94	160.80	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8b84 15fc 2833 0174 11e8 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		50.66	1140	100	1		131.69	140.55	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8b84 20ec 2323 1954 11d0 0201 0100 0002 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		7.31	1155	102	1		92.16	158.69	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 8b84 170a 27ac 03a8 120c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.91	1171	103	3			90.80		159.20		3		RT		2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8b84 16b3 27cd 02f4 124c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	6.31	1235	109	3			90.86		158.48		3		RT		2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8b84 16b7 279f 0328 134c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.69	1219	107	1			90.39	158.95	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8b84 1699 27bd 02d8 130c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:02.790	248		2	0772			-239	-94	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+56.34	-2.08	92	56.35	1047	92 56.38	139.67	145.58	257	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
248	+15729	+15600	+15579	+15535	-9	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:02.790	Active Track Maintenance Msg	1700 0058 0001 e57e 0001 eb8a 0001 e6dc 003b 8a07 fbf7 ffb5 1c2b fef6 0000 0000
		eeef f94f 0000 4178 3860 01fa 4180 3860 05fc 22eb 2465 1255 00f8 0000 0000 0000
		041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:05:02.790	394	N121NA	2	1320	1320	1V	-134	+7	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	
+16.40	-3.02	100	16.64	1142 100	16.68	100.84	154.77	135	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS: NO
									INHIBIT MSAW DISPLAY: NO

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
273	+5929	+5800	+5795	+5792	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 b501 0000 b94a 0000 b519 003b 8a71 fbf7 fffc 0833 fe7e 0000 0000
		f669 0081 0000 4769 10ad 02d0 4770 10ac 0314 1936 26b1 099a 018a 0000 0000 0001
		091f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000

0000 0000 0000 6196 232c 09be 6196 232c 0000 1992 20b3 0676 020f 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:02.790	321	2	4665		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+44.14	-3.44	94	44.26	1074	94	44.27	127.56	147.27	144

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1929	+1800	+0	+1929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 3c4a 0000 3c4a 0000 0000 0000 0000 fbf7 0000 1612 fe48 0000 0000

0000 0000 0000 432a 2c46 09b5 432a 2c46 0000 1fe4 24d1 0a47 0141 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR SYSTEM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:05:02.440	11	20.63	1243	109	1		102.81		150.36	1				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:02.800	Radar Report Msg	0b01 001c 003b 8bf2 19b4 2597 0a50 136c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR SYSTEM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
		20.97	1260	111	7		102.80		149.72	7				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8bf2 19b3 256e 0a7c 13b0 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR SYSTEM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
		22.72	1296	114	5		103.47		147.70	5				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8bf2 19de 24ed 0b5c 1440 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR SYSTEM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
		54.66	1236	109	4		131.41		131.84	4				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 8bf2 20da 20f6 1b54 1350 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
5.38	1252	110	4				89.97		158.92	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8bf2 167e 27bb 02b0 1390 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
40.56	1287	113	5				117.78		137.00	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8bfc 1d72 2240 1448 141c 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.34	1290	113	1			91.41	157.42	1				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8bfc 16da 275b 03ac 1428 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
25.88	1349	119	4			104.56	144.14	4				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8bfc 1a24 2409 0cf0 1514 0204 0400 0004 0101 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
24.38	1352	119	5			103.39	145.09	5				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8bfc 19d9 2446 0c30 1520 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
46.34	1364	120	4			118.75	129.34	4				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 8bfc 1db0 2056 172c 1550 0204 0400 0005 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:02.910	519	2	1631			-157	-102		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
+49.31	-11.30	102	50.58	1170 103	50.58	130.58	138.42	187	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
237	+8029	+7900	+7900	+7900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:02.910	Active Track Maintenance Msg	1700 0058 0000 f6e0 0000 faea 0000 f6e0 003b 8a91 fbf7 0000 18a8 fa59 0000 0000
		f4ce f8b5 0000 4928 3294 0399 4930 3298 003b 20a5 229b 0d5c 0207 0000 0000 0400
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:05:02.910 298 2 0771 -217 -78 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+24.80 -7.48 106 25.84 1214 107 25.92 107.83 148.34 231 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
250 +8529 +8400 +8442 +8362 -17 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 0553 0001 0a8a 0001 07d5 003b 8ac2 fbf7 ff74 0c67 fc42 0000 0000
f081 fa65 0000 4be7 19eb 01f9 4bf0 19e8 0000 1af5 2516 107b 012a 0000 0000 1670
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:05:02.910 389 2 1654 -151 +115 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+39.72 -13.25 108 41.84 1235 109 41.88 120.81 138.97 190 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
307 +5929 +5800 +5800 +5699 -21 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 b21b 0000 b94a 0000 b543 003b 8ad8 fbf7 ff52 13dc f960 0000 0000
f538 0839 0000 4d33 29e1 03ac 4d20 29e0 5858 1e34 22be 0d8f 0185 0000 0000 15d8
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:02.910	339	2	2201			-173	-60		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+45.78	-14.12	107	47.86	1218 107	47.89	126.45	136.59	184	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
250	+7629	+7500	+7515	+7272	-57	-2	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 e342 0000 ee6a 0000 eadc 003b 8ac7 fbf7 fe32 16e4 f8f1 0000 0000
		f3a6 fbad ffef 4c2b 2fe5 0481 4c30 2fe8 a00f 1f9d 2226 0d16 0153 0000 0000 0064
		041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:05:02.690	13	31.44	1366	120	5		108.06		139.75	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:02.920	Radar Report Msg	0b01 001c 003b 8c60 1b04 22f0 0fb8 1558 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		0.50	1369	120	4		86.00		161.59	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8c60 1580 2866 0040 1564 0204 0400 0004 0101 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		40.03	1441	127	7		110.75		130.61	7		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8c60 1bb0 20a7 1404 1684 0207 0700 0005 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.91	1496	131	4			91.77	152.88	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8c60 16f1 2638 0574 1760 0204 0400 0004 0101 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	18.25	1523	134	3			95.25	146.33	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:02.920	Radar Report Msg	0b01 001c 003b 8cce 17d0 2495 0920 17cc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.31	1536	135	4			87.78	158.39	4			RT	2		

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:02.920	Radar Report Msg	0b01 001c 003b 8cd8 15f2 2799 0228 1800 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X NM	Y NM	STAT					
	24.31	1532	135	7			98.14	140.97	7		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8cd8 1889 233e 0c28 17f0 0207 0700 0003 0302 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:03.010	451	2	3220	+0	+0		RADAR-ONLY: NO		
							FIRMNESS: 63		

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0
+3.57	-15.48	167	15.84	1900 167	15.88	85.28	145.97	138	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	ALT SLID WINDOW
0	+429	+300	+0	+429	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:03.010	Active Track Maintenance Msg	1700 0058 0000 0d6a 0000 0d6a 0000 0000 0000 0000 fbf7 0000 01c9 f843 0000 0000
		0000 0000 0000 76c3 0fe2 0690 76c3 0fe2 0000 1552 247e 09d5 01c3 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED:

NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:05:03.010 590 2 4624 -12 -106 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+33.61 -16.91 116 37.56 1328 117 37.60 113.98 136.97 107 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
186 +2929 +2800 +2793 +2791 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:03.010	Active Track Maintenance Msg	1700 0058 0000 5738 0000 5b8a 0000 574d 003b 8b42 fbf7 fffd 10ce f78b 0000 0000 ff1e f86d 0000 530c 259a 0994 5300 25a0 5858 1c7f 223e 07a0 024e 0000 0000 054c 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:05:03.010 207 N8451R 2 4647 4647 1X -79 +73 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+4.73 -2.38 116 5.25 1328 117 5.28 89.69 158.39 108 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
313 +6029 +5900 +5900 +5900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 b860 0000 bc6a 0000 b860 003b 8b42 fbf7 0000 025e fed0 0000 0000
fa5e 053f 0000 530c 0547 09a7 5300 054c ea6d 166c 2799 07b2 00cf 0000 0000 0001
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09a7 0015 003c 003c 003c 0028 0068 0000
0000 0000 0000 0000 0000 0026 0001 0000 0000 0000 00b0 0000 0037 00e1 00cf 0041
0000 01fc 0000 01bb 0036 00bd 0000 0000 0000 0000 0000 0000 0000 020c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5032 3841 0000 0000 504f 4300 5656 5600 2020 2020 2020 2020
2020 0000 4e38 3435 3152 0000 0000 0036 3633 0000 0058 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:05:03.010 155 2 3275 +96 +160 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+29.35 -19.34 123 35.10 1404 123 35.15 109.25 135.70 187 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
31 +5029 +4900 +4900 +4900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 9920 0000 9d2a 0000 9920 003b 8b97 fbf7 0000 0ead f654 0000 0000
06db 0b68 0000 57cf 2327 06bd 57c0 2328 003a 1b50 21ed 0d4f 009b 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:03.130	245	2	5266		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+43.86	-6.81	98	44.34	1124 99	44.38	126.44	144.08	152	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+3929	+3800	+0	+3929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:03.130	Active Track Maintenance Msg	1700 0058 0000 7aca 0000 7aca 0000 0000 0000 0000 fbf7 0000 15ee fc98 0000 0000
		0000 0000 0000 4647 2c62 0ab6 4647 2c62 0000 1f9c 2405 0ade 00f5 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:05:02.880	14	5.03	1763	155	1		86.63	157.16	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8d64 15a8 274a 0284 1b8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.00	1717	151	2			86.67	158.30	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:03.140	Radar Report Msg	0b01 001c 003b 8da0 15ab 2793 0200 1ad4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	22.53	1780	156	3				89.23		139.64	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8da0 164f 22e9 0b44 1bd0 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.09	1784	157	3				86.33		158.13	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8da0 1595 2788 020c 1be0 0203 0300 0001 0203 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:03.230	555	2	3507		+73	+184			RADAR-ONLY: NO

FIRMNESS: 35

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+25.98	-24.88	133	35.94	1521 134	36.00	104.59	131.19	198	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
21	+5029	+4900	+4900	+4900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:03.230	Active Track Maintenance Msg	1700 0058 0000 9920 0000 9d2a 0000 9920 003b 8c1c fbf7 0000 0cfe f38f 0000 0000
		0532 0d1d 0000 5f12 2401 0747 5f20 23fc 5858 1a26 20cc 0e1a 022b 0000 0000 04dc
		0a1f 2300 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:03.230	278	2	4613		+224	+113			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+22.30	-20.02	132	29.91	1501 132	30.04	102.25	136.84	251	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
63	+6029	+5900	+5899	+5899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 b85f 0000 bc6a 0000 b85f 003b 8c04 fbf7 0000 0b26 f5fd 0000 0000
0ffa 080a 0000 5dd2 1e0b 098b 5dd0 1df8 5453 1990 2236 11e2 0116 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:03.230	329	2	4657		-136	+184			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
+21.55	-21.35	134	30.27	1533 135	30.34	101.20	135.75	229	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
323	+7029	+6900	+6900	+6900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 d7a0 0000 dbaa 0000 d7a0 003b 8c28 fbf7 0000 0ac7 f553 0000 0000
f654 0d1c 0000 5fd3 1e56 09af 5fd0 1e58 1b7a 194d 21f0 104b 0149 0000 0000 0300
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:05:03.230 561 2 4745 -147 +113 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 9
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+13.71 -15.22 138 20.44 1570 138 20.46 95.17 143.66 186 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
307 +4329 +4200 +4236 +4182 -12 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 82b2 0000 874a 0000 8464 003b 8c52 fbf7 ffa0 06db f864 0000 0000
f585 081b 0000 622e 1477 09e5 6220 147c 0000 17cb 23ea 0d40 0231 0000 0000 0000
091f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:05:03.230 160 2 4645 +270 +287 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+8.23 -8.30 135 11.62 1540 135 11.69 91.45 152.02 394 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
43	+17529	+17400	+17374	+17685	+76	+3	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 28af 0002 23ca 0002 1ef1 003b 8c2f fbf7 0260 041d fbd9 0000 0000 133e 1475 001d 6047 0bb1 09a5 6030 0bb0 0000 16dd 2601 1c16 00a0 0000 0000 0000 041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:03.230	437	2		1200	+2	-80			RADAR-ONLY: NO

FIRMNESS: 36

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+11.63	-2.05	99	11.79	1137 100	11.82	96.50	156.91	80	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
178	+1729	+1600	+1600	+1600	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 3200 0000 360a 0000 3200 003b 8a6c fbf7 0000 05d1 fef9 0000 0000
		0029 fa46 0000 4716 0bd2 0280 4720 0bd0 0000 1820 273a 05bb 01b5 0000 0000 0000
		0a1f 2400 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:03.350	176	2		4772	+146	-70			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+6.96	-9.95	145	12.12	1646 145	12.11	89.98	150.47	162	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
115	+3829	+3700	+3696	+3707	+2	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:05:03.350 Active Track Maintenance Msg 1700 0058 0000 73de 0000 77aa 0000 7386 003b 8cac fbf7 0013 037b fb07 0000 0000
0a6a fb05 0000 66ef 0c1d 09fa 6720 0c24 0000 167f 259e 0b8b 00b0 0000 0000 0000
051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:03.350	7	2	1275		-12	+2			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+41.65	-14.46	109	44.05	1240 109	44.07	122.36	137.31	12	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
279	+0	+0	+0	+0	+0		00000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 0000 0000 0000 0000 0000 003b 8ae1 0000 0000 14d3 f8c5 0000 0000 ff19 0029 0000 4d8b 2c13 02bd 4da0 2c18 0000 1e97 2254 00eb 0007 0000 0000 0101 0000 2600 0203 1000 0300 0100 0000 0001 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:03.360	310	2	1051		+453	+107			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+15.20	-29.85	153	33.46	1741 153	33.48	92.86	129.34	466	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
76	+24500	+24500	+24474	+24643	+36	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:03.360	Active Track Maintenance Msg	1700 0058 0003 021d 0002 fda0 0002 fcd5 003b 8d12 0000 0126 079a f113 0000 0000 2045 07a7 0000 6cd5 217b 0229 6cd0 2180 0000 1737 2056 212a 0136 0000 0000 0156 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:03.360	98	2	3253		-165	-34			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
+6.98	-13.11	152	14.79	1731 152	14.82	89.20	147.39	168	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
258	+2629	+2500	+2473	+2367	-22	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 49fe 0000 522a 0000 4d4b 003b 8d05 fbf7 ff4b 037e f972 0000 0000 f441 fd83 0001 6c32 0ed2 06ab 6c10 0edc 0b01 164d 24d9 0c02 0062 0000 0000 1c0c 091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:03.360	530	2	4643			-273	+183		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+16.73	-39.86	157	43.17	1789 157	43.24	91.83	119.17	329	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
303	+20000	+20000	+20000	+20000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 7100 0002 7100 0002 7100 003b 8d48 0000 0000 085d ec12 0000 0000 ec8e 0d05 0000 6fd2 2b3d 09a3 6fd0 2b3c 003b 16f5 1dcb 1766 0212 0000 0000 0100 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:03.360	406	2	4622			-155	-4		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
+8.48	-21.98	159	23.50	1807 159	23.54	88.41	138.44	155	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
268	+3929	+3800	+3794	+3789	-1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 766c 0000 7aca 0000 7696 003b 8d5e fbf7 fff8 043d f503 0000 0000
f4f4 ffb4 0000 70f3 178a 0992 7100 1790 22d3 161a 229c 0b0d 0196 0000 0000 0000
091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:05:03.120	16	4.09	1811	159	3		86.17		158.09	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:03.360	Radar Report Msg	0b01 001c 003b 8e18 158b 2786 020c 1c4c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		4.47	1796	158	3		86.31		157.70	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8e18 1594 276d 023c 1c10 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
5.47	1811	159	3		86.33		156.64	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8e18 1595 2729 02bc 1c4c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
4.06	1854	163	4		85.92		158.11	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8e18 157b 2787 0208 1cf8 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
5.97	1885	166	4		85.73		156.09	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:03.360	Radar Report Msg	0b01 001c 003b 8e22 156f 2706 02fc 1d74 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
6.63	1892	166	2		85.66		155.41	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 8e22 156a 26da 0350 1d90 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT			
22.38	1855	163	5				86.66	139.55	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8e22 15aa 22e3 0b30 1cfc 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X	NM	Y	NM	STAT			
5.22	1889	166	2				85.70	156.88	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8e22 156d 2738 029c 1d84 0202 0200 0001 0103 1d00 0000

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TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	10.09	1893	166	5				85.58		151.88	5		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8e22 1565 25f8 050c 1d94 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	23.19	1814	159	5				88.14		138.83	5		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8e22 1609 22b5 0b98 1c58 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	3.94	1866	164	1				85.84		158.25	1		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8e22 1576 2790 01f8 1d28 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	18.47	1891	166	3				85.48		143.44	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 8e22 155f 23dc 093c 1d8c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM	Y	NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
4.16	2005	176	2			85.05	158.08	2			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:03.360	Radar Report Msg	0b01 001c 003b 8e9a 1543 2785 0214 1f54 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM	Y	NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:05:03.220	17	5.31	2114	186	4		84.00	157.09	4		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:03.460	Radar Report Msg	0b01 001c 003b 8ef4 1500 2746 02a8 2108 0204 0400 0001 0303 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
5.31	2098	184	4			84.11	157.05	4		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8efe 1507 2743 02a8 20c8 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
31.84	2142	188	5			73.38	132.56	5		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8efe 1258 2124 0fec 2178 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
13.63	2171	191	4			79.95	149.63	4		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8efe 13fd 2568 06d0 21ec 0204 0400 0004 0101 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:03.670	328	2	6655	+0	+0		RADAR-ONLY: NO		

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PREDICTED DEG	RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES

+17.34 -20.75 140 27.02 1594 140 27.04 97.25 137.36 140 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+429	+300	+0	+429	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:03.670	Active Track Maintenance Msg	1700 0058 0000 0d6a 0000 0d6a 0000 0000 0000 0000 fbf7 0000 08ac f5a0 0000 0000
		0000 0000 0000 63a2 1b0b 0dad 63a2 1b0b 0000 1850 2257 09f8 0148 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:03.790	55	2			-213	-74			RADAR-ONLY: NO

FIRMNESS: 30

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: NO
+10.37	-12.81	141	16.45	1604 141	16.48	92.55	146.83	226	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
250	CST	CST	+2586	+2352	-50	+0	11100

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:03.790	Active Track Maintenance Msg	1700 0058 0000 4980 0000 61ca 0000 50d7 003b 566b fbf7 fe6a 052f f998 0000 0000 f0cb faaf 0000 644c 107c 0e98 6230 10d0 0000 1723 24b5 101c 0037 0000 0000 0000 031c 1e00 0203 1001 0303 0000 0000 0001 0100 0000 0100 0101

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:05:03.540	19	4.44	2243	197	1		83.59	158.33	1			RT		2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:03.790	Radar Report Msg	0b01 001c 003b 8fda 14e6 2795 0238 230c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		4.44	2218	195	1		83.72	158.25	1			RT		2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 8fda 14ee 2790 0238 22a8 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:03.890	551	2	7230	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0
+10.64	-12.72	140	16.55	1593 140	16.58	92.55	146.78	225	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2929	+2800	+0	+2929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:03.890	Active Track Maintenance Msg	1700 0058 0000 5b8a 0000 5b8a 0000 0000 0000 0000 fbf7 0000 0552 f9a4 0000 0000
		0000 0000 0000 639d 1095 0e98 639d 1095 0000 1723 24b2 1002 0227 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:03.890	580	2	4614	-60	+68				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-1.25	-16.96	184	16.98	2094 184	17.01	80.27	145.77	91	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
319	+5029	+4900	+4915	+4921	+1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:03.890	Active Track Maintenance Msg	1700 0058 0000 99c8 0000 9d2a 0000 999c 003b 8ea2 fbf7 0009 ff60 f785 0000 0000 fbbb 04e8 0000 82eb 1103 098c 7fff 1104 003b 1411 2471 0681 0244 0000 0000 0700 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:03.890	173	2	6307	+532	-199				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
-2.18	-16.25	187	16.39	2134 188	16.42	79.88	147.47	568	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
110	+32800	+32800	+32782	+32734	-10	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0003 fef5 0004 0100 0004 0072 003b 8ecd 0000 ffae fee9 f7e0 0000 0000
25e0 f1d5 0000 8566 106c 0cc7 7fff 1068 0003 13f8 24de 2870 00ad 0000 0000 7586
071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:03.890	379	2	6312		+231	+75			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID
-1.45	-12.14	186	12.21	2120 186	12.27	81.31	150.48	243	ALTITUDE: YES

INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
72	+6329	+6200	+6209	+6009	-43	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 bbc9 0000 c5ca 0000 c20c 003b 8ec2 fbf7 fea4 ff47 f9ee 0000 0000
		106f 055c 0000 848e 0c44 0cca 7fff 0c3c a00b 1454 259f 1149 017b 0000 0000 0000
		081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:03.890	49	2	6311		+352	+24			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
-3.64	-44.72	184	44.83	2099	185	44.87	70.92	119.53	353 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
86	+9229	+9100	+9092	+9019	-15	+0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 19dd 0001 206a 0001 1c26 003b 8ea7 fbf7 ff83 fe2e e9a4 0000 0000
		1918 01bf 0000 833d 2cdf 0cc9 7fff 2ce0 0b02 11bb 1de2 1927 0031 0000 0000 0ff8
		081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:05:03.680	20	9.44	2291	201	6		80.30	154.31	6		RT		2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:03.890	Radar Report Msg	0b01 001c 003b 903e 1413 2694 04b8 23cc 0206 0600 0003 0202 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	3.50	2403	211	3			83.55	159.67	3			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 903e 14e3 27eb 01c0 258c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	5.56	2506	220	1			81.41	158.78	1			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:03.910	Radar Report Msg	0b01 001c 003b 90c0 145a 27b2 02c8 2728 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:04.010	449	2		7242	-317	+149			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-6.67	-30.80	192	31.45	2186 192	31.51	71.72	134.14	351	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
295	+33000	+33000	+32998	+32997	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:04.010	Active Track Maintenance Msg	1700 0058 0004 072d 0004 0740 0004 0730 003b 8f08 0000 0000 fcaa f099 0000 0000
		e966 0aa7 0000 88a9 1f83 0ea2 7fff 1f84 0b9e 11ee 2189 18fd 01c1 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:04.010	532	2		7234	-73	-241			RADAR-ONLY: NO

FIRMNESS: 37

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-2.96	-19.55	188	19.72	2144 188	19.71	77.95	143.69	252	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
197	+4029	+3900	+3886	+4053	+40	+1	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 7eac 0000 7dea 0000 7973 003b 8eda fbf7 0145 fe85 f63a 0000 0000
fac5 eed5 000f 8608 13b6 0e9c 7fff 13c8 1162 137d 23ec 11f3 0214 0000 0000 0000
041f 2500 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:04.010	361	2		1022	+62	-271			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: YES
-5.83	-20.70	195	21.49	2231 196	21.59	74.91	143.33	278	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
167	+7629	+7500	+7550	+7902	+76	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 f6f0 0000 ee6a 0000 ebf0 003b 8f35 fbf7 0261 fd16 f5a7 0000 0000
		046b ecb0 0000 8b7a 1596 0212 7fff 1580 0000 12ba 23d5 13d0 0169 0000 0000 0000
		031f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:04.010	219	2	1060		-387	-123			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-7.16	-20.00	199	21.23	2272 200	21.26	74.22	144.94	406	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
252	+35000	+35000	+34998	+34998	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 45b3 0004 45c0 0004 45b3 003b 8f68 0000 0000 fc6c f600 0000 0000
		e46f f730 0000 8e06 1543 0230 7fff 1540 0314 128e 243c 1cf1 00db 0000 0000 0001
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:05:04.110	Delete Track Msg	1704 0008 0037 0210

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:05:03.990	22	5.56	2531	222	1		81.30	158.95	1		RT		2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:04.230	Radar Report Msg	0b01 001c 003b 919c 1453 27bd 02c8 278c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.97	2582	227	4			80.72	159.11	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 91a6 142e 27c7 02fc 2858 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	6.78	2627	231	4			79.77	159.11	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 91a6 13f1 27c7 0364 290c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	6.63	2635	232	2			79.89	159.25	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 91a6 13f9 27d0 0350 292c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.22	2666	234	1			79.20	159.31	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:04.230	Radar Report Msg	0b01 001c 003b 91f6 13cd 27d4 039c 29a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	8.69	2659	234	3			77.83	158.69	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 91f6 1375 27ac 0458 298c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.88	2693	237	2			78.47	159.38	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 91f6 139e 27d8 03f0 2a14 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
15.75	2747	241	2						70.56	158.08	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 91f6 11a4 2785 07e0 2aec 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
8.72	2747	241	3						77.45	159.78	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 91f6 135d 27f2 045c 2aec 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	9.66	2740	241	1					76.55	159.45	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 91f6 1323 27dd 04d4 2ad0 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:04.330	586	2	4673	+304	-10				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-11.59	-12.24	223	16.80	2540 223	16.86	71.53	152.97	304	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
92	+10029	+9900	+9901	+9902	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:04.330	Active Track Maintenance Msg	1700 0058 0001 3570 0001 396a 0001 356e 003b 9097 fbf7 0000 fa35 f9e1 0000 0000
		15a2 ff3c 0000 9ecf 10db 09bb 7fff 10dc 0000 11e2 263e 15a6 024a 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:04.330	8	2	1273	-12	+1				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10

X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-37.78 -33.20 228 50.26 2602 229 50.33 40.83 139.30 12 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
278 -899 -899 -899 -899 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e3e1 ffff e3e1 003b 90db 0000 0000 ed1c ef66 0000 0000 ff1a 0020 0000 a2a3 3254 02bb 7fff 324c 0000 0a35 22d3 00e8 0008 0000 0000 0000 0a1f 2603 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
01:05:04.120	23	2.00	2796	246	5			84.61	161.64	5	RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:04.340	Radar Report Msg	0b01 001c 003b 920a 1527 2869 0100 2bb0 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	24.72	2762	243	3					61.70	156.47	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 920a 0f6d 271e 0c5c 2b28 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	27.53	2776	244	4					58.83	156.44	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 920a 0eb5 271c 0dc4 2b60 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	12.00	2835	249	3					73.95	160.56	3		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 920a 127d 2824 0600 2c4c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	15.22	2839	250	4					70.72	160.30	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 920a 11ae 2813 079c 2c5c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
							ALT								
01:05:04.230	24	15.09	2861	251	4		70.80	160.83	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:04.450	Radar Report Msg	0b01 001c 003b 92d2 11b3 2835 078c 2cb4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	SYSTEM Y	PROC NM	STR STAT	SC	TYP	SYS
							ALT								
	9.59	2915	256	3			76.31	161.98	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 92d2 1314 287f 04cc 2d8c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
15.38	2996	263	4						70.63	163.95	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:04.460	Radar Report Msg	0b01 001c 003b 92e6 11a8 28fd 07b0 2ed0 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
6.41	3062	269	5						79.75	163.31	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 92e6 13f0 28d4 0334 2fd8 0205 0500 0003 0102 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:04.550	304	2	7342	-318	+164				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-34.88	-17.16	243	38.85	2773 244	38.88	48.09	154.17	358	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	SLID WINDOW
297	+35000	+35000	+34999	+34999	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:04.550	Active Track Maintenance Msg	1700 0058 0004 45bf 0004 45c0 0004 45bf 003b 919c 0000 0000 ee8f f76c 0000 0000

e958 0bba 0000 ad5d 26e0 0ee2 7fff 26e0 5858 0c06 268b 1983 0130 0000 0000 0068
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	BEACON CODE--- ASSIGNED	BEACON CODE--- REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:05:04.550	87	CPF420	2	4664	4664	1X	+121	-31	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5
-2.79	-1.23	246	2.99	2798 246	3.05	82.86	161.36	125	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
104	+5129	+5000	+5004	+4998	-1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 9c36 0000 a04a 0000 9c65 003b 91ba fbf7 fff7 fe9b ff62 0000 0000
		08ab fdc0 0000 aeef 030c 09b4 7fff 030c 0000 14b7 2857 08f5 0057 0000 0000 4f58
		051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
		0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09b4 0015 0032 0032 0032 003c 017c 0000
		0000 0000 0000 0000 0000 0001 0026 0000 0000 0000 00ed 0000 01b0 009b 0057 0201
		0000 00b1 0000 0010 0184 00d5 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
		0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 2eff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
		0001 0000 0000 0043 4332 3036 0000 0000 5748 5000 544f 4100 2020 2020 2020 2020
		2020 0000 4350 4634 3230 0000 0000 0035 3634 0000 0058 0000 0000 0020 0000 0000
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0100 0000 0000 0005 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	14.16	3068	270	5			72.14		165.31	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:04.560	Radar Report Msg	0b01 001c 003b 934a 1209 2954 0714 2ff0 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	13.28	3134	275	2			73.39		166.36	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 934a 1259 2997 06a4 30f8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:05:04.440	25	13.72	3114	274	1				72.84	166.13	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:04.690	Radar Report Msg	0b01 001c 003b 93b8 1236 2988 06dc 30a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	12.91	3146	277	1					73.83	166.45	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 93b8 1275 299d 0674 3128 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
13.44	3126	275	2			73.19	166.27	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 93b8 124c 2991 06b8 30d8 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:04.770	545	2	4706		-139	-31			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-25.76	-6.62	255	26.57	2908 256	26.61	59.19	161.97	142	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
257	+4029	+3900	+3900	+3900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:04.770	Active Track Maintenance Msg	1700 0058 0000 79e0 0000 7dea 0000 79e0 003b 9233 fbf7 0000 f31f fcb1 0000 0000 f617 fdc4 0000 b5c6 1a9d 09c6 7fff 1a98 0890 0ecc 287e 0a29 0221 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:04.770	101	2	4661		+26	-78			RADAR-ONLY: NO

FIRMNESS: 30

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
-6.07	-1.72	254	6.29	2892 254	6.30	79.47	161.70	83	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
161	+1129	+1000	+1023	+1089	+14	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 220a 0000 234a 0000 1ffb 003b 9220 fbf7 0072 fcf7 ff24 0000 0000
		01da fa64 0000 b4cf 064d 09b1 7fff 0650 16a0 13de 286d 05e9 0065 0000 0000 0003
		081f 1e00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:04.770	591		2	0260	+36	+76			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID
-6.88	-1.41	258	7.01	2938 258	7.00	78.75	162.20	84	ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
25	+1929	+1800	+1800	+1801	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 384c 0000 3c4a 0000 3845 003b 9256 fbf7 0002 fc8f ff4b 0000 0000
		0292 056b 0000 b7af 06ff 00b0 7fff 0708 0764 13b0 288d 05ff 024f 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:04.780	275		2	0257	+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE VALID
+36.23	+0.97	88	36.20	1006 88	36.25	121.05	153.55	113	ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1729	+1600	+0	+1729	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:05:04.780 Active Track Maintenance Msg 1700 0058 0000 360a 0000 360a 0000 0000 0000 0000 fbf7 0000 121e 007c 0000 0000
0000 0000 0000 3ee9 243f 00af 3ee9 243f 0000 1e43 2663 0810 0113 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:04.900	362	2		0006	+210	-357			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
-23.14	-4.34	259	23.52	2951 259	23.55	62.39	163.50	415	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
149	+13629	+13500	+13520	+13325	-42	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:04.900	Active Track Maintenance Msg	1700 0058 0001 a06a 0001 a9ea 0001 a683 003b 9263 fbf7 feab f46e fdd5 0000 0000
		0ef0 e68c 0000 b875 178c 0006 7fff 178c 0001 0f99 28e0 1d83 016a 0000 0000 9354
		071f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: OVR
01:05:04.900	274	N8063T	2	4763	4763	1V	+130	+35	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3
-15.08	-2.69	259	15.30	2956 260	15.32	70.55	163.06	134	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
74	+7129	+7000	+6950	+6960	+2	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 d982 0000 deca 0000 d930 003b 926a fbf7 0013 f876 fea8 0000 0000
		0941 028a 0001 b8cb 0f52 09f3 7fff 0f50 003b 11a3 28c4 0999 0112 0000 0000 6ea8
		031f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09f3 0005 0032 ffff 0032 002c 022a 0000
		0000 0000 0000 01f0 0000 0003 0015 0000 0000 0000 00ae 0000 0070 0245 0112 00cb
		0000 002d 0000 0194 0133 00ba 0000 0000 0000 0000 0000 0000 0000 042f ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
		0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 00ff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102

0001 0000 0000 0036 5041 3332 0000 0000 4f58 5200 4844 4600 2020 2020 2020 2020
2020 0000 4e38 3036 3354 0000 0000 0030 3030 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:04.900	475	N6887L	2	4714	4714	1V	+182	+13	ARR RADAR-ONLY: NO FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES INHIBIT MSAW PROCESS: NO INHIBIT MSAW DISPLAY: NO
-15.73	-1.15	265	15.73	3023 266	15.77	70.30	164.70	183	

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
85	+4929	+4800	+4824	+4818	-1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 9691 0000 9a0a 0000 96c5 003b 92b6 fbf7 fff6 f823 ff6d 0000 0000
		0cfd 00fb 0000 bcff 0fc4 09cc 7fff 0fc4 0001 1193 292d 0d07 01db 0000 0000 7658
		081f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0004 0000 0000 0000 0000 0000 0000
		0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 2000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09cc 0005 0000 ffff 0032 0038 0253 0000
		0000 0000 0000 00f3 0000 0003 0015 0000 0000 0000 00f2 0000 0014 0138 01db 00c3
		0000 01aa 0000 0062 0054 01c9 0000 0000 0000 0000 0000 0000 0000 025c ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
		0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 1dff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
		0001 0000 0000 0036 4334 3231 0000 0000 4f58 5200 4343 4200 2020 2020 2020 2020
		2020 0000 4e36 3838 374c 0000 0000 0037 3937 0000 0056 0000 0000 0020 0000 0000
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:04.900	297	2	1056		-8	+94			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-41.38	-0.50	269	41.38	3063 269	41.38	45.66	171.83	95	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
354	+6829	+6700	+6662	+6719	+12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 d1fa 0000 d56a 0000 d030 003b 92e3 fbf7 0064 eb50 ffc0 0000 0000 ff5d 06ba 0000 bf72 2962 022e 7fff 2960 0404 0b6a 2af5 06c2 0129 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:04.900	9	2	1275	+0	-2				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-12.52	-11.00	228	16.65	2602 229	16.67	70.88	154.38	2	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
201	-470	-599	-599	-599	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 ffff ed41 ffff f14b ffff ed41 003b 90db fbf7 0000 f9bd fa80 0000 0000 fff2 ffdb 0000 a2a1 10ac 02bd 7fff 10ac 1700 11b8 2698 0028 0009 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:05:04.560	26	10.13	3258	286	2			77.20	166.98	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:04.900	Radar Report Msg	0b01 001c 003b 9430 134d 29bf 0510 32e8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		6.47	3294	290	7			80.59	165.34	7		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:04.900	Radar Report Msg	0b01 001c 003b 949e 1426 2956 033c 3378 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		10.13	3235	284	1			77.03	166.67	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 949e 1342 29ab 0510 328c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
9.09	3242	285	1						77.98	166.25	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 949e 137f 2990 048c 32a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
14.09	3290	289	1						74.14	169.63	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 949e 1289 2a68 070c 3368 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
35.16	3363	296	4						58.97	184.52	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 949e 0ebe 2e21 1194 348c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	8.56	3362	295	7					79.34	167.25	7		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:04.910	Radar Report Msg	0b01 001c 003b 94a8 13d6 29d0 0448 3488 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	7.28	3424	301	4					80.80	166.91	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 94a8 1433 29ba 03a4 3580 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	8.16	3399	299	5					79.95	167.33	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 94a8 13fd 29d5 0414 351c 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS

01:05:04.770	27	5.06	3421	301	5		82.39	165.25	5		RT	2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:05.000	Radar Report Msg	0b01 001c 003b 950c 1499 2950 0288 3574 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	7.13	3446	303	2			81.08		166.95	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 950c 1445 29bd 0390 35d8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	14.47	3466	305	3			76.39		172.73	3		RT	2			

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Radar Report Msg 0b01 001c 003b 950c 1319 2b2f 073c 3628 0203 0300 0003 0003 1d00 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:05:05.110 84 N774CS 2 3376 3376 1W +156 -161 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 9
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-19.11 +2.59 277 19.23 3160 278 19.27 68.00 169.17 224 INHIBIT MSAW PROCESS: YES
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
135 +9329 +9200 +9187 +9142 -9 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:05:05.110 Active Track Maintenance Msg 1700 0058 0001 1db0 0001 238a 0001 1f19 003b 934f fbf7 ffb3 f672 014c 0000 0000
0b23 f484 0000 c588 1345 06fe 7fff 1348 003b 1100 2a4b 0fff 0054 0000 0000 0400
091f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 06fe 0003 012c ffff f830 0037 01ab 0000
0000 0000 0000 017e 0000 0007 002e 0000 0000 0000 00a9 0000 0215 0249 0054 0250
0000 021b 0000 0213 0091 014a 0000 0000 0000 0000 0000 0000 0000 03cb ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2056 2eff 0000 0000 0000 0000 0000 0101 0003 0000 0001 0001 0502
0001 0000 0000 0043 4332 3130 0000 0000 5341 3900 544f 4100 2020 2020 2020 2020
2020 0000 4e37 3734 4353 0000 0000 0036 3032 0000 0057 0000 0000 0020 0000 004f

4646 5620 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

01:05:05.110 Delete Track Msg 1704 0008 0194 0710

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:05:05.210 194 DDA77 2 4043 4043 1M +323 -276 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-37.77 +12.53 288 39.77 3279 288 39.69 52.48 183.50 425 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
130 +14129 +14000 +14021 +13639 -89 -2 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:05.210	Active Track Maintenance Msg	1700 0058 0001 aa3a 0001 b98a 0001 b62c 003b 93d7 fbf7 fd32 ed1e 0644 0000 0000
		170a ec58 ffe9 ccfc 27b1 0823 7fff 27cc 0000 0d1f 2de0 1e49 00c2 0000 0000 0000
		041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0823 0007 0136 ffff 0172 003f 0204 0000
		0000 0000 0000 0007 0000 0007 0000 0000 0000 0000 00ab 0000 0090 00b2 00c2 0000
		0000 0000 0000 00c8 01da 00f5 0000 0000 0000 0000 0000 0000 0000 023d ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000 0100 0000
		0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0005 2000 35ff 0000 0000 0000 0000 0000 0100 0000 0000 0001 0001 0102
		0001 0000 0000 0043 4c4a 3335 0000 0000 4649 4d00 5656 5600 2020 2020 2020 2020
		2020 0000 4444 4137 3700 0000 0000 0033 3535 0000 004d 0000 0000 0020 5656 5600
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
01:05:04.990	29	5.06	3680	323	4		83.98		166.28	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 95d4 14ff 2992 0288 3980 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	4.94	3689	324	4			84.09		166.19	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:05.220	Radar Report Msg	0b01 001c 003b 95de 1506 298c 0278 39a4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.25	3670	323	4			83.83		166.44	4		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 95de 14f5 299c 02a0 3958 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.72	3690	324	1			83.80		166.95	1		RT	2					

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Radar Report Msg 0b01 001c 003b 95de 14f3 29bd 02dc 39a8 0201 0100 0001 0000 1d00 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:05:05.330 400 2 4675 -198 -44 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-45.41 +32.08 305 55.56 3472 305 55.59 50.02 204.33 203 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
257 +14029 +13900 +13900 +13900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:05:05.330 Active Track Maintenance Msg 1700 0058 0001 b260 0001 b66a 0001 b260 003b 94af fbf7 0000 e94c 100a 0000 0000
f1df fcdf 0000 d909 3798 09bd 7fff 3798 0000 0c81 3315 0e78 0190 0000 0000 3283
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:05:05.330 51 2 1331 -203 +274 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-28.72 +23.41 309 37.00 3517 309 37.07 64.13 191.50 341 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW

323 +31000 +31000 +31000 +31000 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0003 c8c0 0003 c8c0 0003 c8c0 003b 94e1 0000 0000 f1a4 0bb5 0000 0000
f18b 138b 0000 dbde 2511 02d9 7fff 2510 0000 1008 2fe0 184f 0033 0000 0000 00d1
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:05:05.330 384 2 1200 +91 +73 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-32.69 -0.30 269 32.69 3066 269 32.70 54.09 169.83 117 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
51 +5629 +5500 +5500 +5500 +0 +0 11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 abe0 0000 afea 0000 abe0 003b 92e5 fbf7 0000 efa8 ffda 0000 0000
		0684 0538 0000 bfa3 20b4 0280 7fff 20b0 0000 0d86 2a75 0859 0180 0000 0000 9340
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:05:05.220	30	4.72	3707	326	4		84.28	166.00	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:05.440	Radar Report Msg	0b01 001c 003b 96c4 1512 2980 025c 39ec 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	21.84	3787	333	3			81.06	183.09	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 96c4 1444 2dc6 0aec 3b2c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA ALT	BEACON X	ALT NM	COR Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	7.75	3851	338	3			84.86	169.36	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:05.450	Radar Report Msg	0b01 001c 003b 96ce 1537 2a57 03e0 3c2c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	4.28	3834	337	1			85.19	165.75	1				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 96ce 154c 2970 0224 3be8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	4.41	3795	334	1			84.92	165.84	1				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 96ce 153b 2976 0234 3b4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	5.03	3834	337	4			85.08	166.55	4				RT	2			

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Radar Report Msg 0b01 001c 003b 96ce 1545 29a3 0284 3be8 0204 0400 0001 0303 1d00 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:05:05.550 392 2 7304 -265 +264 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 8
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-31.24 +27.45 311 41.54 3543 311 41.61 62.63 196.14 374 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
314 +25400 +25400 +25371 +25599 +49 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:05:05.550 Active Track Maintenance Msg 1700 0058 0003 1ffe 0003 19c0 0003 18da 003b 94fc 0000 018f f061 0db9 0000 0000
ed20 12c8 0001 dd70 299b 0ec4 7fff 2998 4074 0fa8 3109 1aa1 0188 0000 0000 0058
081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:05:05.550 322 N900RL 2 3601 3601 1Y +63 -196 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 6
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-9.20 +7.61 309 11.90 3522 310 11.94 78.83 171.52 206 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW

162 +5229 +5100 +5120 +4939 -39 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 9a5e 0000 a36a 0000 a003 003b 94e7 fbf7 fec1 fb67 03ce 0000 0000
		048d f207 fffe dc25 0bf0 0781 7fff 0bf0 a00a 13b5 2ae1 0eb2 0142 0000 0000 0058
		061f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0781 008a 0122 ffff 01c2 0037 01b6 0000
0000 0000 0000 00ef 0000 0001 0001 0000 0000 0000 008f 0000 012b 00a5 0142 009b
0000 01c6 0000 01cb 000c 020d 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0100 0000 0000 0000 0000 0100 0000 0000 0001 0001 0702
0001 0000 0000 0031 474c 4634 0000 0000 504d 4400 5656 5600 2020 2020 2020 2020
2020 0000 4e39 3030 524c 0000 0000 0035 3736 0000 0059 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:05:05.550 56 2 4752 -136 +178 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-30.38 +25.73 310 39.78 3530 310 39.80 62.94 194.38 225 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
322 +12029 +11900 +11900 +11900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 73e0 0001 77ea 0001 73e0 003b 94ef fbf7 0000 f0cf 0cdd 0000 0000

f642 0cb5 0000 dca2 27ce 09ea 7fff 27d0 0000 0fbc 3098 1003 0038 0000 0000 0058
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:05:05.320	31	5.06	4014	353	2		86.39		166.58	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:05.560	Radar Report Msg	0b01 001c 003b 9728 1599 29a5 0288 3eb8 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: DEP
01:05:05.650 74 N40905 2 6701 6701 0 -68 +71 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 6
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-10.34 +17.08 328 19.93 3741 329 19.96 80.11 180.92 99 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
316 +10029 +9900 +9899 +9892 -1 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:05:05.650 Active Track Maintenance Msg 1700 0058 0001 3526 0001 396a 0001 355b 003b 95dc fbf7 fff5 fad4 088a 0000 0000
fb1e 0517 0000 e9d6 13f6 0dc1 7fff 13f8 003b 1407 2d3b 070e 004a 0000 0000 0700
061f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0dc1 0000 0064 0064 0064 058a 0094 0000
0000 0000 0000 0000 0000 0058 0005 0000 0000 0000 029c 0000 01cc 012f 004a 01c6
0000 0213 0000 0001 0134 005a 0000 0000 0000 0000 0000 0000 0000 00dc ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 9900 0000 0000 0000 0000 0000 0100 0000 0000 0301 0000 0102
0001 0000 0000 0043 5032 3852 0000 0000 4d59 4600 4c48 5300 2020 2020 2020 2020
2020 0000 4e34 3039 3035 0000 0000 0035 3837 0000 0000 0000 0000 0020 0000 0056
3539 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

END TIME START TIME TARGET REPORTS: LIVE SIMULATED VALID MODE-C: 0

01:05:05.430 01:05:00.780 RADAR-ONLY 119 0 0.0%
SENSOR = 2 BEACON-ONLY 0 0
RADAR & BEACON 0 0 VALID MODE-3/A: 0
TOTAL 119 0 0.0%

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:05.650	Sensor Sector Mark Msg	1715 000c 003b 9796 0000 0200

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:05:05.430	0	8.63	3977	350	2		86.39	170.28	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:05.650	Radar Report Msg	0b01 001c 003b 9796 1599 2a92 0450 3e24 0202 0200 0001 0103 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	11.09	4059	357	3			87.94	172.58	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9796 15fc 2b25 058c 3f6c 0203 0300 0001 0203 1d00 0000
01:05:05.770	Delete Track Msg	1704 0008 021c 0910

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:05:05.570	1	10.91	4019	353	1		87.25	172.52	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:05.890	Radar Report Msg	0b01 001c 003b 9818 15d0 2b21 0574 3ecc 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	9.06	44	4	2			88.59	170.28	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9818 1626 2a92 0488 00b0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	8.84	26	2	1			88.30	170.14	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9818 1613 2a89 046c 0068 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.81	27	2	3		87.41		167.17		3		RT	2						

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9818 15da 29cb 02e8 006c 0203 0300 0001 0203 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:05.990	369		2	1007		+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+58.50	-14.05	103	60.15	1177 104	60.16	138.70	133.38	266	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+15929	+15800	+0	+15929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:05.990	Active Track Maintenance Msg	1700 0058 0001 f1ca 0001 f1ca 0000 0000 0000 0000 fbf7 0000 1d40 f8f9 0000 0000 0000 0000 0000 499b 3c2a 0207 499b 3c2a 0000 22ad 2158 12f1 0171 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:05:06.000	Delete Track Msg	1704 0008 0143 0910

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:05:06.000	460	EJA631	2	4757	4757	0	-269	-147	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+2.00	+25.05	4	25.08	50 4	25.14	94.03	185.50	307	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
241	+10729	+10600	+10599	+10398	-43	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:06.000	Active Track Maintenance Msg	1700 0058 0001 44f5 0001 4f4a 0001 4b38 003b 97d0 fbf7 fea5 0100 0c86 0000 0000 eccd f57d 0000 032d 1924 09ef 0340 1920 003b 1782 2e60 15e3 01cc 0000 0000 0400 0a1f 2600 0201 1000 0303 0100 0000 0000 0000 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:06.000	358	2		7303		+342	+218		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+2.30	+19.71	6	19.81	74 7	19.80	92.91	180.09	406	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
57	+19300	+19300	+19286	+19456	+41	+2	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 6003 0002 5b20 0002 5ab2 003b 97eb 0000 014b 0127 09db 0000 0000 185d 0f8a 0010 04a3 13ce 0ec3 04c0 13d8 a012 173a 2d06 1ce6 0166 0000 0000 3e74 041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:05:05.770	2	6.38	123	11	1		88.42	167.39	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:06.000	Radar Report Msg	0b01 001c 003b 98ea 161b 29d9 0330 01ec 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		6.13	139	12	1		88.44	167.09	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 98ea 161c 29c6 0310 022c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.88	56	5	2			87.66		167.16	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 98ea 15ea 29ca 02f0 00e0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	6.22	107	9	1			88.22		167.31	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 98ea 160e 29d4 031c 01ac 0201 0100 0001 0000 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.72	229	20	5			91.81	170.53	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 98ea 16f4 2aa2 055c 0394 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:05:05.880	3	10.34	203	18	3		91.25	170.44	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:06.090	Radar Report Msg	0b01 001c 003b 9958 16d0 2a9c 052c 032c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.59	245	22	2			91.95	170.28	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9958 16fd 2a92 054c 03d4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	18.22	307	27	3			97.83	175.39	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 9958 1875 2bd9 091c 04cc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:05:05.990	4	27.91	384	34	5		106.59	180.31	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:06.210	Radar Report Msg	0b01 001c 003b 99bc 1aa6 2d14 0df4 0600 0205 0500 0003 0102 1d00 0000
01:05:06.310	Delete Track Msg	1704 0008 00f1 0810
01:05:06.310	Delete Track Msg	1704 0008 005c 0910

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		7.22	467	41	1		91.58	165.80	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:06.310	Radar Report Msg	0b01 001c 003b 9a2a 16e5 2973 039c 074c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
7.22	489	43	2			91.70	165.59	2		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9a2a 16ed 2966 039c 07a4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
7.41	515	45	1			92.02	165.45	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9a2a 1701 295d 03b4 080c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:06.540	491	2	2734	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+32.10	-22.38	125	39.10	1420 125	39.13	111.11	132.03	126	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	SLID WINDOW
0	+729	+600	+0	+729	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:06.540	Active Track Maintenance Msg	1700 0058 0000 16ca 0000 16ca 0000 0000 0000 0000 fbf7 0000 100d f4d0 0000 0000

0000 0000 0000 58cd 2721 05dc 58cd 2721 0000 1bc7 2102 08fb 01eb 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:05:06.320	6	1.97	687	60	0			86.84	162.13	0			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:06.560	Radar Report Msg	0b01 001c 003b 9ab6 15b6 2888 00fc 0abc 0200 0000 0000 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	ALT	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
		3.69	694	61	4			88.97	162.66	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9b1a 163e 28aa 01d8 0ad8 0204 0400 0001 0303 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.03	732	64	7			89.39	162.53	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9b1a 1659 28a2 0204 0b70 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	3.59	715	63	1			88.89	162.53	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9b1a 1639 28a2 01cc 0b2c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	3.91	775	68	2			89.28	162.28	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:06.590	Radar Report Msg	0b01 001c 003b 9b24 1652 2892 01f4 0c1c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	2.00	734	65	0			86.91	162.05	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 9b24 15ba 2883 0100 0b78 0200 0000 0000 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	3.97	755	66	1			89.34		162.39	1		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9b24 1656 2899 01fc 0bcc 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:06.980	6	2	1274		+3	+2			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+37.53	+17.88	64	41.54	733 64	41.62	126.59	169.64	4	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
49	-770	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:06.980	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e7eb ffff e3e1 003b 9acf fbf7 0000 12c4 08f1 0000 0000
		0038 0031 0000 2dd9 299e 02bc 2de0 2994 00fe 1fa6 2a69 004a 0006 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:05:06.770	9	5.31	970	85	3		90.75	160.95	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:07.000	Radar Report Msg	0b01 001c 003b 9c6e 16b0 283d 02a8 0f28 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	ALT Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	47.47	1108	97	4			129.72	144.02	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:07.020	Radar Report Msg	0b01 001c 003b 9cdc 206e 2401 17bc 1150 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	8.78	1107	97	3			93.77	158.61	3				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9cdc 1771 27a7 0464 114c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	2.94	1123	99	0			88.02	160.86	0				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9cdc 1601 2837 0178 118c 0200 0000 0000 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:07.100	311	2	4611		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+38.79	-45.63	139	59.86	1588 140	59.88	111.64	107.86	259	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+7029	+6900	+0	+7029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:07.100	Active Track Maintenance Msg	1700 0058 0000 dbaa 0000 dbaa 0000 0000 0000 0000 fbf7 0000 1365 e930 0000 0000 0000 0000 0000 634a 3be2 0989 634a 3be2 0000 1be9 1af7 1273 0137 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:07.100	424	2	4603		-247	-220			RADAR-ONLY: NO

FIRMNESS: 34

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
+48.05	+6.22	82	48.39	940 83	48.45	133.73	155.70	331	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
228	+17700	+17700	+17659	+17418	-51	+0	01111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:05:07.100 Active Track Maintenance Msg 1700 0058 0002 2055 0002 2920 0002 27db 003b 9bb7 0000 fe66 1807 031c 0000 0000
ee6a f04d 0003 3ac7 3072 0983 3ac0 3074 0001 216f 26ed 1793 01a8 0000 0000 9bec
070f 2200 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR SYSTEM	SYSTEM PROC	STR	SC	TYP	SYS
01:05:06.880	10	7.97	1155	102	1		92.77		158.39	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:07.100	Radar Report Msg	0b01 001c 003b 9d36 1731 2799 03fc 120c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR SYSTEM	SYSTEM PROC	STR	SC	TYP	SYS
		7.59	1169	103	4		92.34		158.42	4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9d36 1716 279b 03cc 1244 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	51.47	1179	104	4			131.05		137.45	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9d36 20c3 225d 19bc 126c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	45.47	1124	99	4			127.44		143.75	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9d36 1fdc 23f0 16bc 1190 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	41.34	1155	102	4			122.83		143.61	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9d36 1eb5 23e7 14ac 120c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	7.47	1171	103	1			92.22		158.45	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 9d36 170e 279d 03bc 124c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM STAT	SYSTEM COR	SYSTEM	PROC STR	SC	TYP	SYS
17.72	1139	100	3				101.78	154.44	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9d36 1972 269c 08dc 11cc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM STAT	SYSTEM COR	SYSTEM	PROC STR	SC	TYP	SYS
2.91	1147	101	0				87.94	160.80	0		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9d36 15fc 2833 0174 11ec 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	2.72	1160	102	0			87.72	160.86	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9d36 15ee 2837 015c 1220 0200 0000 0000 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.34	1251	110	1			89.95	158.94	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:07.110	Radar Report Msg	0b01 001c 003b 9d4a 167d 27bc 02ac 138c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	22.81	1294	114	5			103.59	147.70	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9d4a 19e6 24ed 0b68 1438 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.66	1214	107	2			90.39	159.02	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 9d4a 1699 27c1 02d4 12f8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
6.34	1242	109	1				90.86		158.42	1		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9d4a 16b7 279b 032c 1368 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
3.31	1237	109	2				88.17		160.25	2		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9d4a 160b 2810 01a8 1354 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
20.66	1242	109	1			102.86	150.38	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9d4a 19b7 2598 0a54 1368 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
5.22	1274	112	1			89.75	158.88	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9d4a 1670 27b8 029c 13e8 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:07.200	248	2		0772		-241	-90		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+56.02	-2.15	92	56.04	1049	92 56.07	139.34	145.59	257	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
249	+15629	+15500	+15510	+15448	-14	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:07.200	Active Track Maintenance Msg	1700 0058 0001 e2c7 0001 e86a 0001 e4b6 003b 9c32 fbf7 ff8e 1c03 feed 0000 0000

eed4 f992 fffe 4194 3813 01fa 4190 3810 0000 22d6 2466 1256 00f8 0000 0000 0000
051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

01:05:07.200 Delete Track Msg 1704 0008 00c9 0110

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:07.200	527	2	4676		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0
+23.84	-25.71	137	35.02	1560 137	35.06	102.27	130.91	88	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1929	+1800	+0	+1929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:07.200	Active Track Maintenance Msg	1700 0058 0000 3c4a 0000 3c4a 0000 0000 0000 0000 fbf7 0000 0beb f325 0000 0000 0000 0000 0000 618a 230f 09be 618a 230f 0000 1991 20ba 0646 020f 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:07.320	523		2	0646			-223	-83	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+37.31	-2.46	93	37.39	1067 94	37.39	121.19	150.02	238	INHIBIT MSAW PROCESS: INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
249	+12029	+11900	+11931	+11868	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:07.320	Active Track Maintenance Msg	1700 0058 0001 72e2 0001 77ea 0001 74da 003b 9c46 fbf7 ff93 12a8 fec5 0000 0000 f01e fa18 0000 42bb 2563 01a6 42b0 2564 0000 1e4c 2581 10f2 020b 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:05:07.320	394	N121NA	2	1320	1320	1V	-134	+14	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+16.23	-2.99	100	16.45	1143 101	16.50	100.69	154.84	135	INHIBIT MSAW PROCESS: NO INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
276	+6029	+5900	+5882	+5882	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 b7d0 0000 bc6a 0000 b7d0 003b 9c9b fbf7 0000 081d fe81 0000 0000 f671 0105 0000 477c 1081 02d0 4770 1080 0000 192c 26b6 099d 018a 0000 0000 0000 041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 02d0 0005 003c 003c 003c 0000 023d 0000
0000 0000 0000 0000 0000 0024 0003 0000 0000 0000 02db 0000 001a 015e 018a 0099
018b 0027 0000 0113 0248 0168 0000 0000 0000 0000 0000 0000 0000 020e ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 a4ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5041 3434 0000 0000 5241 4c00 5344 3800 2020 2020 2020 2020
2020 0000 4e31 3231 4e41 0000 0000 0036 3932 0000 0056 0000 0000 0020 0000 0046
3036 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:05:07.320 519 2 1631 -157 -102 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+49.11 -11.42 103 50.36 1172 103 50.42 130.36 138.36 187 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
237 +8029 +7900 +7900 +7900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 f6e0 0000 faea 0000 f6e0 003b 9cbd fbf7 0000 188e fa4a 0000 0000

f4cb f8b9 0000 494f 326c 0399 4950 326c a005 2097 2297 0d5d 0207 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:07.320	298	2		0771	-217	-85			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+24.52	-7.60	107	25.64	1219 107	25.68	107.53	148.30	233	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
248	+8529	+8400	+8375	+8299	-16	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 0358 0001 0a8a 0001 05bf 003b 9cf2 fbf7 ff7c 0c43 fc33 0000 0000
		f08b f9f4 0000 4c34 19ad 01f9 4c40 19ac 0000 1ae2 2513 1099 012a 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:05:06.990	11	38.47	1304	115	5		115.50		137.50	5					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:07.330	Radar Report Msg	0b01 001c 003b 9dc2 1ce0 2260 133c 1460 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	0.97	1331	117	3			86.25		161.41	3					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9dc2 1590 285a 007c 14cc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	45.72	1332	117	4			119.84		131.42	4					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9dc2 1df6 20db 16dc 14d0 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	37.19	1363	120	4			112.27		135.81	4					RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 9dc2 1c11 21f4 1298 154c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	42.00	1416	124	5			113.22		130.11		5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:07.330	Radar Report Msg	0b01 001c 003b 9e12 1c4e 2087 1500 1620 0205 0500 0005 0102 1d00 0000
	Delete Flight Data Msg	1809 0008 000a 0500

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:07.430	321	2	4665		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+44.31	-3.43	94	44.44	1074 94	44.44	127.73	147.23	143	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1929	+1800	+0	+1929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:07.430	Active Track Maintenance Msg	1700 0058 0000 3c4a 0000 3c4a 0000 0000 0000 0000 fbf7 0000 1628 fe49 0000 0000
		0000 0000 0000 4325 2c71 09b5 4325 2c71 0000 1fef 24cf 0a33 0141 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:07.540	389	2	1654		-155	+109			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+39.50	-13.18	108	41.62	1233 108	41.65	120.63	139.09	190	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
305	+5829	+5700	+5699	+5598	-21	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:05:07.540 Active Track Maintenance Msg 1700 0058 0000 aef6 0000 b62a 0000 b21d 003b 9d02 fbf7 ff52 13c0 f969 0000 0000
f4eb 07c4 0000 4d15 29a6 03ac 4d20 29a4 0000 1e28 22c6 0d88 0185 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:07.540	339	2	2201			-175	-52		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+45.56	-14.13	107	47.70	1220 107	47.71	126.25	136.64	182	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
253	+7429	+7300	+7298	+7081	-47	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 dd48 0000 e82a 0000 e415 003b 9cf2 fbf7 fe88 16c8 f8f0 0000 0000
f388 fc46 0000 4c4c 2fb6 0481 4c40 2fb4 0000 1f90 2229 0d03 0153 0000 0000 0000
051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:05:07.540 590 2 4624 -12 -105 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 3
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+33.59 -17.03 116 37.62 1330 117 37.67 113.94 136.86 105 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
186 +2829 +2700 +2750 +2739 -2 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 559f 0000 586a 0000 55f0 003b 9d6e fbf7 ffee 10cb f77c 0000 0000
ff24 f887 0000 532b 25ac 0994 5320 25a8 0000 1c7c 2237 0785 024e 0000 0000 0000
031f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:05:07.550 245 2 5266 +0 +0 RADAR-ONLY: NO
FIRMNESS: 63
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 0
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+43.67 -6.78 98 44.14 1124 99 44.19 126.27 144.16 156 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+4029	+3900	+0	+4029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:07.550	Active Track Maintenance Msg	1700 0058 0000 7dea 0000 7dea 0000 0000 0000 0000 fbf7 0000 15d6 fc9c 0000 0000 0000 0000 0000 4646 2c31 0ab6 4646 2c31 0000 1f91 240a 0b25 00f5 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X	SYSTEM NM	COR Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:05:07.330	13	35.97	1433	126	5			108.55		134.06	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:07.550	Radar Report Msg	0b01 001c 003b 9e94 1b23 2184 11fc 1664 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	40.09	1434	126	4			111.13		130.84	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9e94 1bc8 20b6 140c 1668 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	18.31	1518	133	5			95.41		146.36	5		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9e94 17da 2497 0928 17b8 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	4.31	1534	135	2			87.80		158.39	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9e94 15f3 2799 0228 17f8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM					ALT	X	NM	Y	NM	STAT				
	24.31	1553	136	7			97.45		140.59	7		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:05:07.550 Radar Report Msg 0b01 001c 003b 9ef8 185d 2326 0c28 1844 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	24.31	1533	135	7			98.11		140.95		7		RT		2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9ef8 1887 233d 0c28 17f4 0207 0700 0003 0302 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:05:07.640 207 N8451R 2 4647 4647 1X -81 +70 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+4.62 -2.28 116 5.09 1323 116 5.15 89.61 158.50 107 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
311 +6029 +5900 +5900 +5900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:05:07.640 Active Track Maintenance Msg 1700 0058 0000 b860 0000 bc6a 0000 b860 003b 9d67 fbf7 0000 024f fedc 0000 0000
fa38 0509 0000 52b1 0527 09a7 52c0 0528 0314 1667 27a0 07ab 00cf 0000 0000 0001
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09a7 0015 003c 003c 003c 0028 0068 0000
0000 0000 0000 0000 0000 0026 0001 0000 0000 0000 00b0 0000 0037 00e1 00cf 0041
0000 01fc 0000 01bb 0036 00bd 0000 0000 0000 0000 0000 0000 0000 020c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 5032 3841 0000 0000 504f 4300 5656 5600 2020 2020 2020 2020
2020 0000 4e38 3435 3152 0000 0000 0036 3633 0000 0058 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:07.640	155	2	3275		+92	+160			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+29.43	-19.20	123	35.09	1400 123	35.15	109.36	135.81	185	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
29	+5029	+4900	+4900	+4900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 9920 0000 9d2a 0000 9920 003b 9dbe fbf7 0000 0eb7 f666 0000 0000 0695 0b72 0000 5783 2326 06bd 5790 2324 a003 1b57 21f4 0d34 009b 0000 0000 00d1 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:07.640	278	2	4613		+213	+134			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+22.57	-19.84	131	30.02	1494 131	30.11	102.56	136.95	251	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
57	+6029	+5900	+5899	+5899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 b85f 0000 bc6a 0000 b85f 003b 9e26 fbf7 0000 0b49 f615 0000 0000
		0f2c 0988 0000 5d65 1e1d 098b 5d60 1e0c 13c4 19a4 223d 11eb 0116 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:07.640	551	2	7230		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+10.14	-12.94	142	16.43	1614 142	16.44	92.28	146.75	223	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2829	+2700	+0	+2829	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:05:07.640 Active Track Maintenance Msg 1700 0058 0000 586a 0000 586a 0000 0000 0000 0000 fbf7 0000 0512 f988 0000 0000
0000 0000 0000 64e9 1070 0e98 64e9 1070 0000 1712 24b0 0fe3 0227 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:07.640	451	2	3220		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+3.41	-15.53	167	15.86	1907 168	15.90	85.11	145.95	137	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+329	+200	+0	+329	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 0a4a 0000 0a4a 0000 0000 0000 0000 fbf7 0000 01b4 f83c 0000 0000
		0000 0000 0000 7734 0fe6 0690 7734 0fe6 0000 1547 247d 09ca 01c3 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	3.25	1691	149	7		86.58	159.14	7		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:07.650	Radar Report Msg	0b01 001c 003b 9f2a 15a5 27c9 01a0 1a6c 0207 0700 0003 0302 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:07.760	160	2	4645		+269	+292			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5
+8.58	-7.91	132	11.63	1511 133	11.68	91.88	152.30	397	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
42	+17729	+17600	+17614	+17863	+52	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:07.760	Active Track Maintenance Msg	1700 0058 0002 2e3b 0002 2a0a 0002 2671 003b 9e38 fbf7 01a6 044a fc0c 0000 0000
		132b 14cc fffd 5e7a 0bae 09a5 5e60 0bac 003b 16f8 2613 1c48 00a0 0000 0000 0500
		051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:07.760	329	2	4657		-135	+185			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+21.38	-21.11	134	30.01	1532 135	30.05	101.09	136.02	229	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
323	+7029	+6900	+6900	+6900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 d7a0 0000 dbaa 0000 d7a0 003b 9e51 fbf7 0000 0ab0 f572 0000 0000 f661 0d2d 0000 5fc2 1e0d 09af 5fc0 1e0c 150c 1946 2201 1050 0149 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:07.760	561	2	4745		-166	+90			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+13.44	-15.14	138	20.23	1571 138	20.24	94.92	143.80	189	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
298	+4329	+4200	+4189	+4138	-11	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 8151 0000 874a 0000 82ee 003b 9e81 fbf7 ffa8 06b8 f86e 0000 0000
		f42f 0672 0000 623b 143d 09e5 6270 1440 0268 17bb 23f3 0d76 0231 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:07.760	437	2	1200		-1	-81			RADAR-ONLY: NO

FIRMNESS: 37

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+11.63	-2.16	100	11.82	1143 100	11.84	96.47	156.80	81	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
181	+1729	+1600	+1600	+1600	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 3200 0000 360a 0000 3200 003b 9c9d fbf7 0000 05d0 feec 0000 0000
ffe3 fa30 0000 4774 0bd6 0280 4780 0bd4 2092 181e 2733 05d0 01b5 0000 0000 0300
0a1f 2500 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:05:07.450	14	20.31	1699	149	3		91.34		142.38	3		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:07.770	Radar Report Msg	0b01 001c 003b 9f84 16d6 2398 0a28 1a8c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		3.97	1718	151	4		86.66		158.33	4		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9f84 15aa 2795 01fc 1ad8 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.03	1763	155	1			86.63	157.16	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9f84 15a8 274a 0284 1b8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
36.34	1786	157	4			91.03	125.92	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:07.770	Radar Report Msg	0b01 001c 003b 9fca 16c2 1f7b 122c 1be8 0204 0400 0004 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
4.09	1785	157	4			86.31	158.11	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b 9fca 1594 2787 020c 1be4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
3.97	1860	163	4			85.88	158.22	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b 9fca 1578 278e 01fc 1d10 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:08.000	176	2	4772		+129	-97			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+7.10	-10.07	145	12.29	1643 144	12.32	90.08	150.31	162	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
126	+3729	+3600	+3618	+3537	-23	-2	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:08.000	Active Track Maintenance Msg	1700 0058 0000 6e8f 0000 748a 0000 7110 003b 9ed4 fbf7 ff47 038d faf7 0000 0000
		093c f914 ffed 66bd 0c52 09fa 6700 0c54 0104 1685 2594 0b8b 00b0 0000 0000 002c
		041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:08.000	7	2	1275		-10	+3			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+41.66	-14.40	109	44.04	1241 109	44.05	122.39	137.38	10	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
289	+0	+0	+0	+0	+0	00000	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 0000 0000 0000 0000 0000 003b 9d0a 0000 0000 14d4 f8cd 0000 0000 ff44 0044 0000 4d94 2c0d 02bd 4d90 2c14 7f00 1e99 2258 00c8 0007 0000 0000 001c 0000 2600 0203 1000 0300 0100 0000 0001 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:05:07.780	16	39.28	1866	164	4		86.67	122.61	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:08.000	Radar Report Msg	0b01 001c 003b a042 15ab 1ea7 13a4 1d28 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	6.66	1887	166	4			85.70	155.38	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a042 156d 26d8 0354 1d7c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	10.13	1891	166	3			85.61		151.84	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:08.000	Radar Report Msg	0b01 001c 003b a0ba 1567 25f6 0510 1d8c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	5.22	1888	166	2			85.72		156.88	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a0ba 156e 2738 029c 1d80 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
18.47	1891	166	3				85.48	143.44	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a0ba 155f 23dc 093c 1d8c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.34	1891	166	1				85.67	155.70	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a0ba 156b 26ed 032c 1d8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
23.47	2019	177	3				80.84	138.95	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a0ba 1436 22bd 0bbc 1f8c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
4.16	2005	176	2				85.05	158.08	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:05:08.010 Radar Report Msg 0b01 001c 003b a0c4 1543 2785 0214 1f54 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:08.090	310	2	1051		+453	+101			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+15.72	-29.73	152	33.57	1730	152	33.64	93.39	129.33	464 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
77	+24600	+24600	+24628	+24793	+35	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:08.090	Active Track Maintenance Msg	1700 0058 0003 06c9 0003 00c0 0003 01a2 003b 9f31 0000 011d 07dc f122 0000 0000
		203c 073f 0000 6c20 21a3 0229 6c30 21a4 5858 1759 2055 210a 0136 0000 0000 045c
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:08.090	530	2		4643		-269	+187		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+16.41	-39.61	157	42.82	1792 158	42.88	91.59	119.50	328	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
305	+20000	+20000	+20000	+20000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0002 7100 0002 7100 0002 7100 003b 9f76 0000 0000 0834 ec32 0000 0000 ecda 0d5e 0000 7009 2ae2 09a3 7000 2ae0 0000 16e6 1de0 175a 0212 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:08.090	98	2		3253		-159	-47		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+6.79	-13.18	152	14.76	1739 153	14.79	89.00	147.38	166	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
253	+2529	+2400	+2379	+2278	-21	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 4735 0000 4f0a 0000 4a5f 003b 9f39 fbf7 ff52 0365 f969 0000 0000
f4b0 fc9c 0000 6cb8 0ec9 06ab 6ca0 0ed4 0000 1640 24d8 0bd0 0062 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:08.090	406	2	4622		-153	+2			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+8.32	-21.96	159	23.46	1812 159	23.49	88.25	138.50	154	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
271	+3929	+3800	+3793	+3789	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:08.090	Active Track Maintenance Msg	1700 0058 0000 7669 0000 7aca 0000 768c 003b 9f8c fbf7 fffa 0429 f505 0000 0000
		f50d 002e 0000 714d 177e 0992 7140 177c 0000 1610 22a0 0af4 0196 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:08.090	555	2			+73	+184			RADAR-ONLY: NO

FIRMNESS: 32

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: NO
+26.10	-24.63	133	35.86	1517 133	35.89	104.77	131.41	198	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
21	CST	CST	+4900	+4900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 9920 0000 9d2a 0000 9920 003b 8c1c fbf7 0000 0d0d f3af 0000 0000
		0532 0d1d 0000 5ed3 23e4 0747 5f20 23fc 0000 1a31 20da 0e1a 022b 0000 0000 0000
		0a1f 2000 0203 1001 0303 0000 0000 0001 0100 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:08.210	328	2		6655		+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+17.19	-20.61	140	26.80	1594 140	26.83	97.14	137.53	142	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+329	+200	+0	+329	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:08.210	Active Track Maintenance Msg	1700 0058 0000 0a4a 0000 0a4a 0000 0000 0000 0000 fbf7 0000 0898 f5b2 0000 0000 0000 0000 0000 63ad 1ad5 0dad 63ad 1ad5 0000 1849 2262 0a26 0148 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:05:07.980	18	16.94	2100	185	7	4614-0	000-18	000	80.20		145.92	7	W			RB	0	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:08.210	Beacon Report Msg	0b02 002c 003b a18c 0000 0000 0000 098c 140d 247b 0878 20d0 0207 0700 0312 0000 7f00 0000 0001 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	31.88	2142	188	6			73.36	132.53	6		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:08.210	Radar Report Msg	0b01 001c 003b a18c 1257 2122 0ff0 2178 0206 0600 0004 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.44	2219	195	1			83.72	158.25	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a18c 14ee 2790 0238 22ac 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:08.310	49	2	6311		+351	+35			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
-3.16	-44.67	184	44.73	2093	184	44.80	71.41	119.47	353 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	SLID WINDOW
84	+9129	+9000	+9011	+8935	-16	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:08.310	Active Track Maintenance Msg	1700 0058 0001 173a 0001 1d4a 0001 199a 003b a0c9 fbf7 ff7c fe6c e9aa 0000 0000

18ff 0286 0000 82d9 2cce 0cc9 7fff 2cc8 0000 11da 1dde 191f 0031 0000 0000 0000
091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

01:05:08.430 Delete Track Msg 1704 0008 0196 0010

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:05:08.320	20	5.56	2507	220	1		81.41	158.78	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a2e0 145a 27b2 02c8 272c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		5.56	2531	222	1		81.30	158.95	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:08.550	Radar Report Msg	0b01 001c 003b a2e0 1453 27bd 02c8 278c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	12.53	2523	222	3			75.42	154.97	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a2e0 12db 26be 0644 276c 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:08.650	379	2	6312		+225	+79			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
-1.15	-12.05	185	12.05	2107	185	12.11	81.63	150.50	239 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
70	+6129	+6000	+6005	+5803	-43	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:08.650	Active Track Maintenance Msg	1700 0058 0000 b55a 0000 bf8a 0000 bbab 003b a0db fbf7 fea2 ff6d f9fa 0000 0000
		1009 05ad 0000 83bb 0c1b 0cca 7fff 0c1c 1d00 1468 25a0 1103 017b 0000 0000 2c7b
		091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:08.650	173	2	6307		+530	-197			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
-1.52	-16.51	185	16.57	2106 185	16.59	80.41	147.06	566	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
110	+32700	+32700	+32718	+32664	-11	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0003 fcc7 0003 fde0 0003 fe74 003b a0d9 0000 ffa2 ff3d f7bf 0000 0000
		25ba f1ef 0000 83ab 1097 0cc7 7fff 1094 5858 141a 24c4 2843 00ad 0000 0000 0060
		081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:05:08.650 532 2 7234 -81 -245 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-3.08 -19.88 188 20.11 2146 189 20.06 77.77 143.39 259 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
198 +4329 +4200 +4175 +4486 +75 +3 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 8c37 0000 874a 0000 827d 003b a106 fbf7 025c fe76 f60f 0000 0000
fa38 ee83 001c 862f 1410 0e9c 7fff 1420 1d00 1371 23d9 126b 0214 0000 0000 da40
041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:05:08.650 580 N6574G 2 4614 4614 1W -67 +64 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 3
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: NO
-1.35 -16.88 184 16.93 2098 184 16.94 80.20 145.88 93 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
313 -129 +4921 +4926 +1 +0 11110

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 99f4 0000 0000 0000 99c8 003b a0d0 fbf7 0009 ff53 f790 0000 0000
fb34 049b 0000 832b 10f0 098c 7fff 10f0 0000 140d 2478 06a6 0244 0000 0000 03e0
031e 2600 0201 1000 0300 0100 0000 0001 0001 0000 0000 0101

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 098c 0003 0032 0032 0032 0037 0066 0000
0000 0000 0000 0000 0000 002c 002e 0000 0000 0000 00e2 0000 0030 00be 0244 0107
0000 00ec 0000 01fc 0105 0156 0000 0000 0000 0000 0000 0000 0000 01fd ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0201 0000 0001 0001 0502
0001 0000 0000 0043 4331 3732 0000 0000 4848 5200 5656 5600 2020 2020 2020 2020
2020 0000 4e36 3537 3447 0000 0000 0035 3935 0000 0057 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0100 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:08.650	449	2		7242	-316	+153			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-7.07	-30.59	193	31.37	2195 193	31.42	71.39	134.44	351	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
296	+33000	+33000	+32998	+32998	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:08.650	Active Track Maintenance Msg	1700 0058 0004 0732 0004 0740 0004 0734 003b a13c 0000 0000 fc77 f0b4 0000 0000 e980 0aef 0000 893c 1f6b 0ea2 7fff 1f68 003b 11d9 219c 1904 01c1 0000 0000 23bf 0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:08.650	361	2		1022	+122	-255			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-5.60	-20.98	194	21.66	2223 195	21.85	75.06	143.00	283	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
154	+8029	+7900	+7900	+8249	+75	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0001 01cc 0000 faea 0000 f6e3 003b a155 fbf7 025d fd33 f583 0000 0000
08be edd8 0000 8af4 15d9 0212 7fff 15b8 5858 12c4 23c0 1427 0169 0000 0000 0b04
041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:08.650	219	2	1060		-385	-124			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-7.63	-20.16	200	21.52	2284 201	21.58	73.72	144.89	404	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
252	+35000	+35000	+34998	+34999	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 45b8 0004 45c0 0004 45b7 003b a19f 0000 0000 fc2f f5ec 0000 0000
		e49a f726 0000 8ecc 1594 0230 7fff 1590 0000 126e 2439 1ccb 00db 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	5.97	2582	227	4			80.72	159.11	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a34e 142e 27c7 02fc 2858 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	16.16	2584	227	2			71.61	154.23	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a34e 11e7 268f 0814 2860 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
01:05:08.520	21	21.22	2618	230	3		66.63	152.81	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:08.750	Radar Report Msg	0b01 001c 003b a3b2 10a8 2634 0a9c 28e8 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
8.03	2660	234	1							78.45		158.95	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a3b2 139d 27bd 0404 2990 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
6.78	2630	231	2							79.77		159.14	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a3b2 13f1 27c9 0364 2918 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
8.69	2660	234	3							77.83		158.70	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a3b2 1375 27ad 0458 2990 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	7.22	2667	234	1					79.20	159.33	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a3b2 13cd 27d5 039c 29ac 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	7.88	2692	237	4					78.47	159.36	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a3b2 139e 27d7 03f0 2a10 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	4.38	2713	238	2					81.88	160.66	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a3b2 1478 282a 0230 2a64 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS

| | | |

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a420 119b 27aa 07e0 2b50 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X NM	Y NM	STAT					
	2.00	2794	246	3			84.61	161.64	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a420 1527 2869 0100 2ba8 0203 0300 0003 0003 1d00 0000
01:05:08.970	Delete Track Msg	1704 0008 0075 0910

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:08.970	586	2	4673		+302	-18			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-11.20	-12.28	222	16.59	2530 222	16.60	71.89	152.84	303	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
93	+10029	+9900	+9901	+9901	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:08.970	Active Track Maintenance Msg	1700 0058 0001 356a 0001 396a 0001 356a 003b a2b4 fbf7 0000 fa66 f9dc 0000 0000
		1587 feb8 0000 9e21 1099 09bb 7fff 10a0 2a44 11f9 2636 1591 024a 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:05:08.970 8 2 1273 -10 -7 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-37.73 -33.26 228 50.26 2602 229 50.33 40.86 139.23 12 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
234 -899 -899 -899 -899 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e3e1 ffff e3e1 003b a304 0000 0000 ed23 ef5f 0000 0000 ff45 ff7c 0000 a2a5 3254 02bb 7fff 324c 0000 0a37 22cf 00e5 0008 0000 0000 00a6 0a1f 2603 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:05:08.870	24	6.34	2874	253	4		79.64	161.55	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:09.100	Radar Report Msg	0b01 001c 003b a4a2 13e9 2863 032c 2ce8 0204 0400 0004 0101 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		12.00	2836	249	3		73.95	160.58	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a4a2 127d 2825 0600 2c50 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		6.66	2931	258	3		79.31	162.09	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a4a2 13d4 2886 0354 2dcc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		7.06	2954	260	4		78.91	162.34	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:05:09.100 Radar Report Msg 0b01 001c 003b a506 13ba 2896 0388 2e28 0204 0400 0004 0101 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	15.38	2996	263	4			70.63		163.95		4		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a506 11a8 28fd 07b0 2ed0 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:05:09.190 87 CPF420 2 4664 4664 1X +124 -25 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 6
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-2.62 -1.26 244 2.85 2777 244 2.92 83.02 161.30 126 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
101 +5129 +5000 +4999 +4994 -1 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS
01:05:09.190 Active Track Maintenance Msg 1700 0058 0000 9c10 0000 a04a 0000 9c3c 003b a3cc fbf7 fff7 feb1 ff5f 0000 0000
08d5 fe36 0000 ad92 02ec 09b4 7fff 02e8 0803 14c1 2853 0902 0057 0000 0000 0000
061f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09b4 0015 0032 0032 0032 003c 017c 0000
0000 0000 0000 0000 0000 0001 0026 0000 0000 0000 00ed 0000 01b0 009b 0057 0201
0000 00b1 0000 0010 0184 00d5 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2eff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 4332 3036 0000 0000 5748 5000 544f 4100 2020 2020 2020 2020
2020 0000 4350 4634 3230 0000 0000 0035 3634 0000 0058 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 0005 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:09.190	304	2	7342		-319	+162			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-35.30	-16.95	244	39.11	2780 244	39.15	47.75	154.45	358	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
297	+35000	+35000	+34999	+34999	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 45bf 0004 45c0 0004 45bf 003b a3cd 0000 0000 ee5a f786 0000 0000 e945 0b96 0000 adc1 2726 0ee2 7fff 2728 0803 0bf0 269d 1983 0130 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:05:08.970	25	6.38	3062	269	5		79.78	163.30	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:09.200	Radar Report Msg	0b01 001c 003b a574 13f2 28d3 0330 2fd8 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	13.75	3121	274	4		72.86	166.27	4				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a574 1237 2991 06e0 30c4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	13.50	3131	275	2		73.17	166.39	2				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a574 124b 2999 06c0 30ec 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:05:09.310	101	N8369X	2	4661	4661	1V	+23	-79	RADAR-ONLY: NO

FIRMNESS: 33

DISPLAY X	DISPLAY NM	DISPLAY Y	DISPLAY NM	PRED_AZIM AZI DEG	PREDICTED RANGE NM	SYSTEM ACP	SYSTEM DEG	SYSTEM RANGE NM	SPEED X	SPEED NM	SPEED Y	SPEED NM	ALTITUDE KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES

-6.05 -1.82 253 6.27 2881 253 6.31 79.47 161.61 83 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
163	+1229	+1100	+1093	+1161	+14	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:09.310	Active Track Maintenance Msg	1700 0058 0000 2448 0000 266a 0000 222e 003b a43f fbf7 0075 fcfa ff17 0000 0000 01b4 fa57 0000 b410 064f 09b1 7fff 0650 0000 13de 2867 05e9 0065 0000 0000 0000 091f 2100 0201 1000 0303 0100 0000 0000 0000 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 022c 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 4c00
0000 0200 0000 0008 0000 0000 0000 0000 4000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09b1 0005 0032 0032 0032 0034 02d9 0000
0000 0000 0000 0000 0000 0005 0005 0000 0000 0000 00eb 0000 0096 01f0 0065 0209
0000 0149 0000 013a 0037 0144 0000 0000 0000 0000 0000 0000 0000 01ef ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0001 0000 0100 0000 0001 0000
0100 0000 0001 0000 0001 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 11ff 0000 0000 0000 0000 0000 0100 0000 0000 0001 0701 0102
0001 0000 0000 0043 5041 3238 0000 0000 564e 5900 4848 5200 2020 2020 2020 2020
2020 0000 4e38 3336 3958 0000 0000 0037 3137 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 af00 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:05:09.310 545 2 4706 -136 -33 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-25.92 -6.66 255 26.71 2908 256 26.79 59.02 161.97 140 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
256 +3929 +3800 +3816 +3732 -23 -2 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 74a1 0000 7aca 0000 7745 003b a45d fbf7 ff43 f30a fcab 0000 0000

f648 fda1 ffee b5c5 1aca 09c6 7fff 1ac4 0000 0ec1 287e 0a01 0221 0000 0000 0000
041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

01:05:09.310 Delete Track Msg 1704 0008 0235 0310

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:09.310	275	2	0257		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+36.34	+0.98	88	36.32	1006 88	36.36	121.16	153.53	109	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1629	+1500	+0	+1629	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:09.310	Active Track Maintenance Msg	1700 0058 0000 32ea 0000 32ea 0000 0000 0000 0000 fbf7 0000 122c 007d 0000 0000
		0000 0000 0000 3ee7 245b 00af 3ee7 245b 0000 1e4a 2662 07c1 0113 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
13.31	3139	276	1						73.39	166.47	1				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:09.310	Radar Report Msg	0b01 001c 003b a5e2 1259 299e 06a8 310c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
4.66	3267	287	3						82.06	164.13	3				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a5e2 1484 2908 0254 330c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	Y	NM	PROC STAT	STR	SC	TYP	SYS
01:05:09.180	26	13.94	3284	289	4				74.20	169.44	4				RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:09.410	Radar Report Msg	0b01 001c 003b a63c 128d 2a5c 06f8 3350 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	10.13	3242	285	4					77.08	166.77	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a63c 1345 29b1 0510 32a8 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	10.00	3251	286	2					77.25	166.83	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a63c 1350 29b5 0500 32cc 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:09.530	362		2	0006	+209	-358			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
-22.88	-4.80	258	23.36	2937 258	23.38	62.53	162.98	415	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
149	+13429	+13300	+13313	+13112	-43	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:09.530	Active Track Maintenance Msg	1700 0058 0001 99c1 0001 a3aa 0001 a00c 003b a47e fbf7 fea2 f490 fd9a 0000 0000 0ee0 e67a 0000 b794 1760 0006 7fff 1760 0000 0fa2 28bf 1d8b 016a 0000 0000 0000 081f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: OVR
01:05:09.530	274	N8063T	2	4763	4763	1V	+133	+30	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
-14.89	-2.66	260	15.10	2957 260	15.14	70.73	163.05	136	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
77	+7129	+7000	+6993	+7028	+7	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 dba2 0000 deca 0000 da8b 003b a494 fbf7 003d f88e feac 0000 0000
097d 0232 0000 b8da 0f25 09f3 7fff 0f20 0000 11af 28c3 09bd 0112 0000 0000 0000
041f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09f3 0005 0032 ffff 0032 002c 022a 0000
0000 0000 0000 0202 0000 0003 0015 0000 0000 0000 00ae 0000 0070 0245 0112 00cb
0000 002d 0000 011d 0133 00ba 0000 0000 0000 0000 0000 0000 0000 042f ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 00ff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0036 5041 3332 0000 0000 4f58 5200 4844 4600 2020 2020 2020 2020
2020 0000 4e38 3036 3354 0000 0000 0030 3030 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:05:09.530 591 2 0260 +8 +84 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-6.91 -1.33 259 7.00 2947 259 6.95 78.77 162.30 85 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
5 +1929 +1800 +1801 +1801 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 384e 0000 3c4a 0000 3848 003b a48a fbf7 0001 fc8c ff56 0000 0000
009f 0604 0000 b83b 06f4 00b0 7fff 0708 0000 13b1 2893 060c 024f 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:05:09.530 475 N6887L 2 4714 4714 1V +184 +14 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 9
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-15.48 -1.14 265 15.48 3024 266 15.53 70.53 164.66 184 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
85 +5029 +4900 +4852 +4852 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 97a2 0000 9d2a 0000 97a2 003b a4e0 fbf7 0000 f843 ff6e 0000 0000
0d17 00ff 0000 bd00 0f88 09cc 7fff 0f84 0000 11a2 292a 0d21 01db 0000 0000 0000
091f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0004 0000 0000 0000 0000 0000 0000
0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 2000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09cc 0005 0000 ffff 0032 0038 0253 0000
0000 0000 0000 00f3 0000 0003 0015 0000 0000 0000 00f2 0000 0014 0138 01db 00c3
0000 01aa 0000 0062 0054 01c9 0000 0000 0000 0000 0000 0000 0000 025c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 1dff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0036 4334 3231 0000 0000 4f58 5200 4343 4200 2020 2020 2020 2020
2020 0000 4e36 3838 374c 0000 0000 0037 3937 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:09.530	9	2	1275		+2	-1			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-12.51	-10.99	228	16.61	2601 229	16.68	70.89	154.38	3	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
120	-470	-599	-599	-599	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 ffff ed41 ffff f14b ffff ed41 003b a305 fbf7 0000 f9bf fa81 0000 0000
		0031 ffe4 0000 a29f 10ad 02bd 7fff 10a8 0000 11b9 2698 0038 0009 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:09.640	297	2	1056		-6	+94			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-41.38	-0.44	269	41.38	3065 269	41.38	45.66	171.89	94	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
356	+6829	+6700	+6712	+6767	+12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:05:09.640 Active Track Maintenance Msg 1700 0058 0000 d37b 0000 d56a 0000 d1c1 003b a50e fbf7 0060 eb50 ffc8 0000 0000
ff8a 06b2 0000 bf95 2962 022e 7fff 2960 0000 0b6a 2af9 06b6 0129 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:05:09.640	84	N774CS	2	3376	3376	1W	+157	-161	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-18.90	+2.39	277	19.02	3154 277	19.05	68.16	168.92	225	INHIBIT MSAW PROCESS: YES

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
135	+9229	+9100	+9126	+9076	-10	+0	11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 1ba5 0001 206a 0001 1d31 003b a572 fbf7 ffaa f68d 0132 0000 0000
		0b32 f48a 0000 c520 130d 06fe 7fff 130c 1202 110a 2a3b 1006 0054 0000 0000 0000
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 06fe 0003 012c ffff f830 0037 01ab 0000
		0000 0000 0000 0199 0000 0007 002e 0000 0000 0000 00a9 0000 0215 0249 0054 0250
		0000 021b 0000 0213 0091 014a 0000 0000 0000 0000 0000 0000 0000 03cb ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
		0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2056 2eff 0000 0000 0000 0000 0000 0101 0003 0000 0001 0001 0502
		0001 0000 0000 0043 4332 3130 0000 0000 5341 3900 544f 4100 2020 2020 2020 2020
		2020 0000 4e37 3734 4353 0000 0000 0036 3032 0000 0057 0000 0000 0020 0000 004f
		4646 5620 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:05:09.420	27	14.09	3291	289	1		74.16	169.64	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:09.650	Radar Report Msg	0b01 001c 003b a736 128a 2a69 070c 336c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		6.41	3291	289	7		80.63	165.30	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a736 1428 2953 0334 336c 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	8.50	3363	296	3					79.41	167.22	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a736 13da 29ce 0440 348c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	7.19	3419	300	2					80.83	166.80	2		RT	2		

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a736 1435 29b3 0398 356c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.09	3447	303	4					81.11	166.94	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:09.650	Radar Report Msg	0b01 001c 003b a736 1447 29bc 038c 35dc 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.13	3420	301	7					82.34	165.28	7			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a736 1496 2952 0290 3570 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	57.22	3428	301	4					46.03	202.94	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a736 0b82 32bc 1c9c 3590 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS

	14.53	3466	305	3			76.36	172.78	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a736 1317 2b32 0744 3628 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	NM	Y	NM	STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:05:09.510	28	34.28	3482	306	4		64.09	188.33	4				RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:09.750	Radar Report Msg	0b01 001c 003b a786 1006 2f15 1124 3668 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	NM	Y	NM	STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	45.16	3467	305	4			56.41	196.08	4				RT	2					

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CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Radar Report Msg 0b01 001c 003b a786 0e1a 3105 1694 362c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS
STIME SN NM RANGE ACP ALT DEG X QUA NM BEACON Y ALT QUA NM COR NM SYSTEM STAT SYSTEM STAT PROC STR SC TYP SYS
4.72 3546 312 3 83.31 165.52 3 RT 2

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Radar Report Msg 0b01 001c 003b a790 14d4 2961 025c 3768 0203 0300 0003 0003 1d00 0000

TARGET REPORTS
STIME SN NM RANGE ACP ALT DEG X QUA NM BEACON Y ALT QUA NM COR NM SYSTEM STAT SYSTEM STAT PROC STR SC TYP SYS
10.28 3624 319 5 81.19 170.89 5 RT 2

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Radar Report Msg 0b01 001c 003b a790 144c 2ab9 0524 38a0 0205 0500 0003 0102 1d00 0000

TRACKING DATA
TIME TRACK NUMBER AIRCRAFT ID/LINK SENSOR NUMBER ----BEACON CODE--- ASSIGNED REPORTED CONTROLLER KEYBOARD VELOCITY X KNOTS VELOCITY Y KNOTS LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:05:09.850 194 DDA77 2 4043 4043 1M +320 -267 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY X NM DISPLAY Y NM DISPLAY AZI DEG DISPLAY RANGE NM PRED_AZIM ACP DEG PREDICTED RANGE NM SYSTEM X NM SYSTEM Y NM SPEED KNOTS ALTITUDE VALID ALTITUDE FIRMNESS: 5 YES
-37.38 +12.22 288 39.31 3276 288 39.23 52.77 183.09 417 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING DEGREES REPORTED ALT FEET UNCORRECTED ALT FEET SMOOTHED ALT FEET PREDICTED ALT FEET VELOCITY Z FT/SEC ACCELERATION Z FT/SEC/SEC ALT SLID WINDOW
130 +13729 +13600 +13611 +13177 -95 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:09.850	Active Track Maintenance Msg	1700 0058 0001 9bce 0001 ad0a 0001 a95e 003b a5fd fbf7 fd07 ed4f 061c 0000 0000 16c2 ecf3 fffd ccce 273a 0823 7fff 2754 a00f 0d31 2dc6 1dae 00c2 0000 0000 0000 051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0823 0007 0136 ffff 0172 003f 0204 0000
		0000 0000 0000 0007 0000 0007 0000 0000 0000 0000 00ab 0000 0090 00b2 00c2 0000
		0000 0000 0000 00c8 01da 00f5 0000 0000 0000 0000 0000 0000 0000 023d ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0100 0000 0100 0000
		0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0005 2000 35ff 0000 0000 0000 0000 0000 0100 0000 0000 0001 0001 0102
		0001 0000 0000 0043 4c4a 3335 0000 0000 4649 4d00 5656 5600 2020 2020 2020 2020
		2020 0000 4444 4137 3700 0000 0000 0033 3535 0000 004d 0000 0000 0020 5656 5600
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:09.970	384	2		1200	+94	+71			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-32.55	-0.20	269	32.50	3067 270	32.57	54.27	169.89	118	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
53	+5629	+5500	+5500	+5500	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:09.970	Active Track Maintenance Msg	1700 0058 0000 abe0 0000 afea 0000 abe0 003b a511 fbf7 0000 efba ffe6 0000 0000

06c0 0519 0000 bfbf 2093 0280 7fff 208c 0005 0d91 2a79 0876 0180 0000 0000 8788
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:10.070	56	2	4752		-130	+185			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-30.52	+25.99	310	40.04	3531 310	40.09	62.88	194.67	226	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
325	+12029	+11900	+11900	+11900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:10.070	Active Track Maintenance Msg	1700 0058 0001 73e0 0001 77ea 0001 73e0 003b a71b fbf7 0000 f0be 0cff 0000 0000
		f6be 0d2e 0000 dcb1 2817 09ea 7fff 2818 0000 0fb8 30ab 101b 0038 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:10.070	400	2	4675	-198	-40				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-45.64	+32.03	305	55.73	3470 305	55.78	49.78	204.34	202	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
258	+14029	+13900	+13900	+13900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 b260 0001 b66a 0001 b260 003b a6d6 fbf7 0000 e92e 1004 0000 0000
		f1ea fd26 0000 d8e7 37c7 09bd 7fff 37c4 0000 0c72 3316 0e5f 0190 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:10.070	51	2	1331	-201	+275				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-28.98	+23.78	309	37.43	3519 309	37.49	63.97	191.91	341	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
323	+31000	+31000	+31000	+31000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0003 c8c0 0003 c8c0 0003 c8c0 003b a70e 0000 0000 f183 0be4 0000 0000
f1a5 139a 0000 dbfd 257d 02d9 7fff 257c 0000 0ffe 2ffa 184c 0033 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:05:10.070	322	N900RL	2	3601	3601	1Y	+61	-199	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
-9.12	+7.34	308	11.64	3514 309	11.71	78.83	171.23	208	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
163	+5029	+4900	+4919	+4725	-42	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 93ad 0000 9d2a 0000 99b8 003b a707 fbf7 feae fb71 03ab 0000 0000
0458 f1d4 0000 dbae 0bb7 0781 7fff 0bb4 a014 13b5 2acf 0ed3 0142 0000 0000 009c
071f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0781 008a 0122 ffff 01c2 0037 01b6 0000
0000 0000 0000 00ef 0000 0001 0001 0000 0000 0000 008f 0000 012b 00a5 0142 009b
0000 01c6 0000 01cb 000c 020d 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0000 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0100 0000 0000 0000 0000 0100 0000 0000 0001 0001 0702
0001 0000 0000 0031 474c 4634 0000 0000 504d 4400 5656 5600 2020 2020 2020 2020
2020 0000 4e39 3030 524c 0000 0000 0035 3736 0000 0059 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:05:10.070 392 2 7304 -264 +264 RADAR-ONLY: NO
FIRMNESS: 38

DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 9
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-31.56 +27.83 311 42.07 3542 311 42.08 62.41 196.58 374 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
315 +25600 +25600 +25599 +25830 +49 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0003 2730 0003 2000 0003 1fff 003b a727 0000 018f f038 0dea 0000 0000 ed2e 12d5 0000 dd6f 2a14 0ec4 7fff 2a14 003b 0f9a 3125 1aa0 0188 0000 0000 0400 091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:05:09.760	30	5.19	3674	323	4		83.89		166.39	4			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:10.080	Radar Report Msg	0b01 001c 003b a880 14f9 2999 0298 3968 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		5.06	3680	323	4		83.98		166.28	4			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a880 14ff 2992 0288 3980 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	4.72	3706	326	4					84.28	166.00	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a880 1512 2980 025c 39e8 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	21.78	3786	333	3					81.05	183.03	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a880 1443 2dc2 0ae4 3b28 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: DEP
01:05:10.200	74	N40905	2	6701	6701	0	-63	+78	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP	PREDICTED DEG	RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 7 VALID ALTITUDE: YES
-10.41	+17.20	328	20.07	3740	329	20.09	80.08	181.06	101	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
320	+10029	+9900	+9896	+9891	-1	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:10.200	Active Track Maintenance Msg	1700 0058 0001 351a 0001 396a 0001 3544 003b a806 fbf7 fff8 facb 0899 0000 0000 fb74 0590 0000 e9c4 1417 0dc1 7fff 141c 1b18 1405 2d44 072f 004a 0000 0000 0000 071f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000

Radar Report Msg 0b01 001c 003b a948 152f 2a58 03e4 3c04 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
21.22	3875	341	3				84.02		182.91		3		RT		2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a948 1501 2dba 0a9c 3c8c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
4.44	3790	333	2				84.89		165.88		2		RT		2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a948 1539 2978 0238 3b38 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
4.28	3834	337	1				85.19	165.75	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a948 154c 2970 0224 3be8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
1.84	3846	338	0				85.61	163.06	0			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a948 1567 28c4 00ec 3c18 0200 0000 0000 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.03	3834	337	1				85.08	166.55	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a948 1545 29a3 0284 3be8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
6.31	3859	339	1				85.11	167.89	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b a948 1547 29f9 0328 3c4c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	8.63	3977	350	2			86.39		170.28	2		RT	2						

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:10.200	Radar Report Msg	0b01 001c 003b a952 1599 2a92 0450 3e24 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT STAT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.06	4011	353	3			86.36		166.59	3		RT	2						

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b a952 1597 29a6 0288 3eac 0203 0300 0001 0203 1d00 0000

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END TIME START TIME TARGET REPORTS: LIVE SIMULATED VALID MODE-C: 0
01:05:10.080 01:05:05.430 RADAR-ONLY 128 0 0.0%
SENSOR = 2 BEACON-ONLY 0 0
RADAR & BEACON 0 0 VALID MODE-3/A: 0
TOTAL 128 0 0.0%

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:10.290	Sensor Sector Mark Msg	1715 000c 003b a9c0 0000 0200

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:05:10.170	1	11.09	4055	356	3		87.88	172.59	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:10.410	Radar Report Msg	0b01 001c 003b aa1a 15f8 2b26 058c 3f5c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	8.88	18	2	4			88.20	170.20	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b aa1a 160d 2a8d 0470 0048 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	5.81	35	3	3			87.47	167.14	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b aa1a 15de 29c9 02e8 008c 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	5.88	57	5	2			87.67		167.14	2			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:10.410	Radar Report Msg	0b01 001c 003b aa24 15eb 29c9 02f0 00e4 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	6.16	140	12	2			88.45		167.13	2			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:10.520	Radar Report Msg	0b01 001c 003b aa92 161d 29c8 0314 0230 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X NM	Y NM	STAT					
	10.34	195	17	1			91.14	170.52	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b aa92 16c9 2aa1 052c 030c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:10.630	369	2		1007		+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+58.29	-13.76	103	59.85	1175 103	59.89	138.56	133.72	269	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
0	+16029	+15900	+0	+16029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:10.630	Active Track Maintenance Msg	1700 0058 0001 f4ea 0001 f4ea 0000 0000 0000 0000 fbf7 0000 1d25 f91f 0000 0000 0000 0000 0000 4971 3be4 0207 4971 3be4 0000 22a4 216e 1329 0171 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:05:10.730	460	EJA631	2	4757	4757	0	-260	-156	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
+1.72	+24.85	3	24.87	42 4	24.91	93.72	185.39	303	INHIBIT MSAW PROCESS: NO
									INHIBIT MSAW DISPLAY: NO

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
239	+10629	+10500	+10483	+10368	-19	+2	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:10.730	Active Track Maintenance Msg	1700 0058 0001 4403 0001 4c2a 0001 4799 003b a9f2 fbf7 ff66 00dc 0c6d 0000 0000
		ed82 f4e3 0013 02ad 18e9 09ef 02d0 18ec a010 176e 2e59 1593 01cc 0000 0000 0000
		041f 2600 0201 1000 0303 0100 0000 0000 0000 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09ef 0000 0172 ffff ffff 003c 026d 0000
		0000 0000 0000 0001 0001 0001 0001 0000 0000 0000 009a 0000 003e 01bd 01cc 01a5
		0000 01e5 0000 01c8 005b 0124 0000 0000 0000 0000 0000 0000 0000 0230 ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
		0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 2fff 0100 0000 0000 0000 0000 0100 0004 0000 0001 1a00 0702
		0001 0000 0000 0031 4335 3658 0000 0000 504d 4400 564e 5900 2020 2020 2020 2020
		2020 0000 454a 4136 3331 0000 0000 0039 3135 0000 0000 0000 0000 0020 0000 0000
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:10.740	358	2		7303	+349	+217			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5
+2.78	+19.98	7	20.13	88 8	20.15	93.44	180.25	411	VALID ALTITUDE: YES
									INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
58	+19400	+19400	+19410	+19542	+27	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:10.740	Active Track Maintenance Msg	1700 0058 0002 62b2 0002 5e40 0002 5e96 003b aa25 0000 00dd 0164 09fe 0000 0000

18d6 0f76 fffe 0580 1427 0ec3 05a0 1430 0000 175c 2d10 1d41 0166 0000 0000 0153
051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:05:10.510	3	10.59	243	21	1			91.92		170.30	1			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:10.750	Radar Report Msg	0b01 001c 003b ab6e 16fb 2a93 054c 03cc 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT	X	NM	Y	NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		40.09	323	28	4			113.11		191.09	4			RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:10.850	Radar Report Msg	0b01 001c 003b abdc 1c47 2fc6 140c 050c 0204 0400 0005 0003 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	27.97	387	34	3			106.73	180.25	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b abdc 1aaf 2d10 0dfc 060c 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	43.09	411	36	4			119.13	189.05	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b abdc 1dc8 2f43 158c 066c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:05:10.740	4	7.25	490	43	2		91.73	165.61	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:10.950	Radar Report Msg	0b01 001c 003b ac54 16ef 2967 03a0 07a8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	7.22	467	41	1			91.58	165.80	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b ac54 16e5 2973 039c 074c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM STAT	SYSTEM COR	SYSTEM	PROC STR	SC	TYP	SYS
7.38	515	45	1			91.98	165.44	1		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b ac54 16ff 295c 03b0 080c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM Y	NM STAT	SYSTEM COR	SYSTEM	PROC STR	SC	TYP	SYS
16.28	554	49	3			100.23	169.09	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:10.960	Radar Report Msg	0b01 001c 003b ac54 190f 2a46 0824 08a8 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:11.180	491		2	2734		+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+32.05	-22.53	125	39.12	1423 125	39.17	111.02	131.89	127	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+729	+600	+0	+729	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:11.180	Active Track Maintenance Msg	1700 0058 0000 16ca 0000 16ca 0000 0000 0000 0000 fbf7 0000 1006 f4bc 0000 0000 0000 0000 0000 58f7 272c 05dc 58f7 272c 0000 1bc1 20f9 0910 01eb 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:05:10.980	7	3.91	777	68	2		89.30	162.27	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:11.200	Radar Report Msg	0b01 001c 003b ad30 1653 2891 01f4 0c24 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
		3.69	694	61	3		88.97	162.66	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b ad30 163e 28aa 01d8 0ad8 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	1.97	733	64	0		86.86	162.05		0			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b ad30 15b7 2883 00fc 0b74 0200 0000 0000 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	4.03	732	64	7		89.39	162.53		7			RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b ad30 1659 28a2 0204 0b70 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	17.09	867	76	3			102.77	161.58	3			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:11.290	Radar Report Msg	0b01 001c 003b ad9e 19b1 2865 088c 0d8c 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:11.510	6	2	1274	+3	+0				RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+37.55	+17.90	64	41.54	733 64	41.61	126.61	169.64	3	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC WINDOW
84	-770	-899	-899	-899	+0	+0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:11.510	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e7eb ffff e3e1 003b acf9 fbf7 0000 12c6 08f3 0000 0000
		003e 0007 0000 2ddb 299c 02bc 2de0 2998 0000 1fa7 2a69 003e 0006 0000 0000 0100
		0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:05:11.190	8	5.31	973	86	4			90.73	160.94	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:11.510	Radar Report Msg	0b01 001c 003b ae20 16af 283c 02a8 0f34 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	16.28	906	80	3		101.91	160.61	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b ae20 197a 2827 0824 0e28 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG ALT	QUA X	BEACON NM	ALT Y	COR NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	4.22	1003	88	3		89.56	160.97	3		RT	2				

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:11.510	Radar Report Msg	0b01 001c 003b ae70 1664 283e 021c 0fac 0203 0300 0003 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:11.610	311	2	4611		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+38.55	-45.38	139	59.50	1588 140	59.54	111.47	108.16	259	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+7029	+6900	+0	+7029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:11.610	Active Track Maintenance Msg	1700 0058 0000 dbaa 0000 dbaa 0000 0000 0000 0000 fbf7 0000 1346 e94f 0000 0000
		0000 0000 0000 634f 3b8b 0989 634f 3b8b 0000 1bde 1b0a 1277 0137 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001
01:05:11.750	Delete Track Msg	1704 0008 0249 0810

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:11.750	424	2	4603		-249	-216			RADAR-ONLY: NO

FIRMNESS: 35

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 8 VALID ALTITUDE: YES
+47.73	+5.96	83	48.05	943 83	48.10	133.34	155.53	330	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
229	+17629	+17500	+17456	+17233	-47	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:11.750	Active Track Maintenance Msg	1700 0058 0002 1a8a 0002 26ea 0002 2183 003b ade4 fbf7 fe82 17dd 02fb 0000 0000 ee39 f09b 0002 3af8 3019 0983 3af0 3018 0167 2156 26e2 1785 01a8 0000 0000 2f00 081f 2300 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:11.750	248	2	0772	-240	-94				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+55.72	-2.31	92	55.73	1050	92	55.77	139.02	145.52	258 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
248	+15529	+15400	+15419	+15337	-18	+0	11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 df4a 0001 e54a 0001 e1dd 003b ae5e fbf7 ff6c 1bdc fed8 0000 0000
		eee5 f944 fffe 41aa 37c4 01fa 41b0 37c4 0000 22c1 2461 1262 00f8 0000 0000 0000
		061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:05:11.520	10	2.94	1123	99	0		88.02	160.86	0				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:11.750	Radar Report Msg	0b01 001c 003b aef2 1601 2837 0178 118c 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		2.91	1146	101	0		87.94	160.80	0				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:11.750	Radar Report Msg	0b01 001c 003b af06 15fc 2833 0174 11e8 0200 0000 0000 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	X	SYSTEM NM	Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		2.69	1160	102	0		87.67	160.88	0				RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b af06 15eb 2838 0158 1220 0200 0000 0000 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
45.53	1126	99	5				127.44	143.59	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b af06 1fdc 23e6 16c4 1198 0205 0500 0005 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
8.03	1164	102	4				92.77	158.27	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b af06 1731 2791 0404 1230 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
7.28	1152	101	2				92.14	158.73	2			RT	2		

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b af06 1709 27af 03a4 1200 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	7.63	1170	103	4						92.38		158.39	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b af06 1718 2799 03d0 1248 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	7.72	1173	103	2						92.44		158.31	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b af06 171c 2794 03dc 1254 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS
	5.72	1211	106	1						90.45		159.00	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:11.760	Radar Report Msg	0b01 001c 003b af60 169d 27c0 02dc 12ec 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	NM	SYSTEM Y	NM	PROC STAT	STR	SC	TYP	SYS

6.34 1233 108 3 90.91 158.48 3 RT 2

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b af6a 16ba 279f 032c 1344 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
5.31	1256	110	2			89.91	158.92	2			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b af6a 167a 27bb 02a8 13a0 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
42.03	1243	109	4			120.61	138.41	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b af6a 1e27 229a 1504 136c 0204 0400 0005 0003 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:11.850	527	2	4676		+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0
+23.77	-25.65	137	34.94	1560 137	34.97	102.22	130.98	85	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+1929	+1800	+0	+1929	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:11.850	Active Track Maintenance Msg	1700 0058 0000 3c4a 0000 3c4a 0000 0000 0000 0000 fbf7 0000 0be3 f32d 0000 0000
		0000 0000 0000 618b 22f8 09be 618b 22f8 0000 198e 20bf 0619 020f 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC STR	SC	TYP	SYS
01:05:11.630	11	51.84	1268	111	4		127.61	131.30	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:11.860	Radar Report Msg	0b01 001c 003b afc4 1fe7 20d3 19ec 13d0 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC STR	SC	TYP	SYS

| | | |

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CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Radar Report Msg 0b01 001c 003b afc4 1d77 223d 1454 141c 0205 0500 0005 0102 1d00 0000

TARGET REPORTS
STIME SN NM RANGE ACP ALT DEG X QUA NM BEACON Y ALT QUA NM COR Y SYSTEM NM SYSTEM STAT PROC STR SC TYP SYS
46.53 1364 120 4 118.89 129.22 4 RT 2

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Radar Report Msg 0b01 001c 003b afc4 1db9 204e 1744 1550 0204 0400 0005 0003 1d00 0000

TRACKING DATA
TIME TRACK NUMBER AIRCRAFT ID/LINK SENSOR NUMBER ----BEACON CODE--- ASSIGNED REPORTED CONTROLLER KEYBOARD VELOCITY X KNOTS VELOCITY Y KNOTS LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:11.970 523 2 0646 -222 -88 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY X NM DISPLAY Y NM DISPLAY AZI DEG DISPLAY RANGE NM PRED_AZIM ACP DEG PREDICTED RANGE NM SYSTEM X NM SYSTEM Y NM SPEED KNOTS ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+37.02 -2.61 94 37.09 1069 94 37.11 120.86 149.95 238 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING DEGREES REPORTED ALT FEET UNCORRECTED ALT FEET SMOOTHED ALT FEET PREDICTED ALT FEET VELOCITY Z FT/SEC ACCELERATION Z FT/SEC/SEC ALT SLID WINDOW
248 +11929 +11800 +11844 +11775 -15 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
01:05:11.970 Active Track Maintenance Msg 1700 0058 0001 6ffc 0001 74ca 0001 7225 003b ae73 fbf7 ff88 1282 feb2 0000 0000
f034 f9be 0000 42d8 251b 01a6 42e0 251c 0000 1e37 257d 10fe 020b 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK NUMBER AIRCRAFT ID/LINK SENSOR NUMBER ----BEACON CODE--- ASSIGNED REPORTED CONTROLLER KEYBOARD VELOCITY X KNOTS VELOCITY Y KNOTS LIVE/SIMULATED:

NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: DEP
01:05:11.970 394 N121NA 2 1320 1320 1V -133 +11 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 5
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+16.07 -2.99 100 16.33 1143 101 16.33 100.53 154.89 133 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
274 +6029 +5900 +5894 +5901 +1 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 b86b 0000 bc6a 0000 b835 003b aec7 fbf7 000c 0809 fe81 0000 0000 f686 00cd 0000 477b 1054 02d0 4780 1058 0000 1922 26b9 0983 018a 0000 0000 0000 051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000

Radar Report Msg 0b01 001c 003b b032 1bbe 20a9 1414 1678 0207 0700 0005 0302 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:12.070	389	2	1654		-153	+114			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+39.31	-12.99	108	41.38	1232 108	41.41	120.50	139.33	191	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
306	+5729	+5600	+5599	+5498	-21	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:12.070	Active Track Maintenance Msg	1700 0058 0000 abd3 0000 b30a 0000 aef9 003b af2a fbf7 ff52 13a8 f981 0000 0000
		f51a 0827 0000 4d0a 2969 03ac 4d00 2968 0000 1e20 22d5 0d9c 0185 0000 0000 00d1
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:12.070	339	2		2201	-177	-39			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+45.34	-14.13	107	47.46	1222 107	47.51	126.03	136.69	181	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
257	+7329	+7200	+7180	+7063	-18	+2	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 dcbd 0000 e50a 0000 e061 003b af1d fbf7 ff6a 16ac f8ef 0000 0000 f368 fd2f 0016 4c63 2f82 0481 4c50 2f80 1bfd 1f82 222c 0ce7 0153 0000 0000 0102 041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:12.070	519	2		1631	-159	-99			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+48.91	-11.53	103	50.21	1175 103	50.26	130.13	138.30	187	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
238	+8029	+7900	+7900	+7900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 f6e0 0000 faea 0000 f6e0 003b aee9 fbf7 0000 1874 fa3c 0000 0000
f4af f8f0 0000 4973 3242 0399 4970 3240 0000 2088 2293 0d57 0207 0000 0000 110a
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:12.070	298	2		0771		-220	-77		RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+24.23	-7.67	107	25.36	1224 108	25.45	107.23	148.30	234	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
250	+8429	+8300	+8299	+8222	-16	+0	11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 00f4 0001 076a 0001 035b 003b af21 fbf7 ff7c 0c1e fc2a 0000 0000
f04c fa7b 0000 4c87 1972 01f9 4c80 196c 0000 1acf 2513 10a5 012a 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:05:12.070 207 N8451R 2 4647 4647 1X -81 +71 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+4.51 -2.20 116 5.00 1319 116 5.02 89.52 158.63 108 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
311 +6029 +5900 +5900 +5900 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 b860 0000 bc6a 0000 b860 003b af8b fbf7 0000 0241 fee7 0000 0000
fa33 0512 0000 5274 0505 09a7 5270 0504 0000 1661 27a8 07b4 00cf 0000 0000 0000
0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09a7 0015 003c 003c 003c 0028 0068 0000
0000 0000 0000 0000 0000 0026 0001 0000 0000 0000 00b0 0000 0037 00e1 00cf 0041
0000 01fc 0000 01bb 0036 00bd 0000 0000 0000 0000 0000 0000 0000 020c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102

0001 0000 0000 0043 5032 3841 0000 0000 504f 4300 5656 5600 2020 2020 2020 2020
2020 0000 4e38 3435 3152 0000 0000 0036 3633 0000 0058 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:05:12.070 321 2 4665 +0 +0 RADAR-ONLY: NO
FIRMNESS: 63
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 0
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+44.51 -3.42 94 44.63 1074 94 44.64 127.92 147.19 142 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
0 +1829 +1700 +0 +1829 +0 +0 11111

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:12.070	Active Track Maintenance Msg	1700 0058 0000 392a 0000 392a 0000 0000 0000 0000 fbf7 0000 1641 fe4a 0000 0000 0000 0000 0000 4320 2ca3 09b5 4320 2ca3 0000 1ffb 24cc 0a27 0141 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:12.190	155	2	3275	+91	+161				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+29.56	-18.98	122	35.11	1396 123	35.13	109.55	136.02	185	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
29	+5029	+4900	+4900	+4900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:12.190	Active Track Maintenance Msg	1700 0058 0000 9920 0000 9d2a 0000 9920 003b afe2 fbf7 0000 0ec8 f683 0000 0000 067c 0b82 0000 5740 2321 06bd 5740 2320 0000 1b63 2201 0d35 009b 0000 0000 0000 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:12.190	245	2	5266	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+43.49	-6.68	98	43.94	1123 99	44.00	126.11	144.30	161	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+4029	+3900	+0	+4029	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:12.190	Active Track Maintenance Msg	1700 0058 0000 7dea 0000 7dea 0000 0000 0000 0000 fbf7 0000 15bf fca9 0000 0000 0000 0000 0000 0000 4635 2c00 0ab6 4635 2c00 0000 1f87 2413 0b79 00f5 0001 0000 0000 001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	NM	Y	NM	ALT COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:05:11.870	13	24.38	1531	135	7		98.20		140.94	7		RT	2					

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:12.200	Radar Report Msg	0b01 001c 003b b0b4 188d 233c 0c30 17ec 0207 0700 0003 0302 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	4.28	1533	135	4			87.78	158.42	4			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b0be 15f2 279b 0224 17f4 0204 0400 0001 0303 1d00 0000
01:05:12.290	Delete Track Msg	1704 0008 0148 0010

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:12.290	551	2	7230	+0	+0				RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+9.88	-13.04	142	16.32	1625	143 16.36	92.00	146.72	221	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+2729	+2600	+0	+2729	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:12.290	Active Track Maintenance Msg	1700 0058 0000 554a 0000 554a 0000 0000 0000 0000 fbf7 0000 04f0 f97b 0000 0000
		0000 0000 0000 6597 105b 0e98 6597 105b 0000 1700 24ae 0fc9 0227 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	Y NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:05:12.080	14	3.97	1715	151	1		86.67	158.33	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:12.300	Radar Report Msg	0b01 001c 003b b186 15ab 2795 01fc 1acc 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:12.410	160	2	4645	+272	+293				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 6 VALID ALTITUDE: YES
+8.93	-7.54	130	11.62	1482 130	11.68	92.30	152.56	400	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
42	+17800	+17800	+17825	+18048	+47	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:12.410	Active Track Maintenance Msg	1700 0058 0002 3400 0002 2c40 0002 2d0b 003b b042 0000 017a 0477 fc3b 0000 0000 135a 14df fffe 5ca7 0baf 09a5 5c90 0bb0 0003 1713 2624 1c76 00a0 0000 0000 afce 061f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:12.410	278	2	4613		+206	+145			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+22.84	-19.63	130	30.09	1487 131	30.16	102.88	137.08	252	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	SLID Z FT/SEC/SEC	ALT WINDOW
54	+6029	+5900	+5900	+5900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 b860 0000 bc6a 0000 b860 003b b048 fbf7 0000 0b6c f62f 0000 0000 0eaf 0a53 0000 5cf4 1e29 098b 5cf0 1e20 1507 19b8 2245 11f3 0116 0000 0000 0203 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:12.410	329	2	4657		-134	+184			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+21.21	-20.88	134	29.74	1531 135	29.76	100.98	136.28	228	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
324	+7029	+6900	+6900	+6900	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 d7a0 0000 dbaa 0000 d7a0 003b b07a fbf7 0000 0a9b f590 0000 0000 f66f 0d27 0000 5fb0 1dc2 09af 5fb0 1dc4 003b 193f 2212 1043 0149 0000 0000 0700 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:12.410	561	2	4745	-168	+88				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+13.23	-15.02	138	19.97	1576 139	20.02	94.77	143.97	190	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
297	+4229	+4100	+4125	+4070	-11	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 7f32 0000 842a 0000 80e8 003b b0ae fbf7 ffa1 069e f87e 0000 0000
		f40c 064c 0000 628a 1405 09e5 6290 1404 0000 17b1 23fe 0d83 0231 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:12.410	437	2	1200	+5	-79				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+11.65	-2.23	100	11.83	1149 101	11.85	96.47	156.72	79	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
175	+1729	+1600	+1600	+1600	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 3200 0000 360a 0000 3200 003b aecb fbf7 0000 05d3 fee2 0000 0000
006c fa54 0000 47d4 0bd9 0280 47c0 0bdc 0000 181e 272e 05b0 01b5 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	5.00	1763	155	1		86.61		157.19	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:12.410	Radar Report Msg	0b01 001c 003b b1ea 15a7 274c 0280 1b8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	X	COR NM	Y	SYSTEM NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
	24.84	1769	155	6		90.00		137.42	6			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b1ea 1680 225b 0c6c 1ba4 0206 0600 0004 0302 1d00 0000

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:12.510	Delete Track Msg	1704 0008 01c3 0210
01:05:12.510	Delete Track Msg	1704 0008 0099 0510
01:05:12.510	Delete Track Msg	1704 0008 00c1 0710
01:05:12.510	Delete Track Msg	1704 0008 0048 0910

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:05:12.270	15	14.03	1843	162	3		86.58		147.92	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:12.540	Radar Report Msg	0b01 001c 003b b24e 15a5 24fb 0704 1ccc 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.09	1784	157	3			86.33		158.13	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b24e 1595 2788 020c 1be0 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.09	1812	159	3			86.16		158.09	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b24e 158a 2786 020c 1c50 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	22.41	1849	163	5				86.86		139.52	5		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b24e 15b7 22e1 0b34 1ce4 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	4.84	1786	157	2				86.42		157.31	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b24e 159b 2754 026c 1be8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	3.94	1868	164	2					85.84	158.25	2		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b24e 1576 2790 01f8 1d30 0202 0200 0001 0103 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:12.640	176	2	4772		+118	-109			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
+7.25	-10.23	144	12.50	1643	144	12.54	90.19	150.13	161

INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
132	+3729	+3600	+3589	+3549	-8	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:12.640	Active Track Maintenance Msg	1700 0058 0000 6eed 0000 748a 0000 702c 003b b0fb fbf7 ffbc 03a0 fae3 0000 0000
		0875 f83c 0000 66b9 0c89 09fa 66e0 0c88 003b 168c 2588 0b7b 00b0 0000 0000 0000
		051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:12.640	310	2	1051		+451	+112			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
+16.34	-29.57	151	33.76	1719 151	33.81	94.02	129.33	464	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
76	+24800	+24800	+24795	+24961	+36	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0003 0c0e 0003 0700 0003 06df 003b b14d 0000 0120 082b f137 0000 0000
		2017 07f9 0000 6b74 21cf 0229 6b70 21c8 003b 1781 2055 2111 0136 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:12.640	98	2	3253	-151	-57				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: YES
+6.62	-13.25	153	14.79	1748 154	14.78	88.81	147.36	162	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
249	+2329	+2200	+2250	+2141	-23	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 42ed 0000 48ca 0000 4650 003b b16c fbf7 ff43 034f f960 0000 0000
		f532 fbf1 0000 6d44 0ec7 06ab 6d20 0ed0 003b 1634 24d7 0b8b 0062 0000 0000 0000
		031f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:12.640	7	2	1275	-10	-5				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: NO
+41.63	-14.47	109	44.05	1241 109	44.05	122.34	137.33	11	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
243	+0	+0	+0	+0	+0	00000	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 0000 0000 0000 0000 0000 003b af35 0000 0000 14d1 f8c4 0000 0000
ff41 ffa0 0000 4d92 2c0c 02bd 4da0 2c14 003b 1e96 2255 00d5 0007 0000 0000 0000
0000 2600 0203 1000 0300 0100 0000 0001 0000 0000 0000 0000

01:05:12.640 Delete Track Msg 1704 0008 01cb 0710

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:05:12.390	16	6.69	1887	166	4				85.70		155.34	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:12.640	Radar Report Msg	0b01 001c 003b b2c6 156d 26d6 0358 1d7c 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
		4.06	1854	163	2				85.92		158.11	2		RT	2		

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b2c6 157b 2787 0208 1cf8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	10.13	1891	166	7					85.61	151.84	7		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b2c6 1567 25f6 0510 1d8c 0207 0700 0003 0302 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:12.730	530	2	4643	-270	+185				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
+16.03	-39.39	157	42.50	1795 158	42.52	91.28	119.80	328	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
304	+20000	+20000	+20000	+20000	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:12.730	Active Track Maintenance Msg	1700 0058 0002 7100 0002 7100 0002 7100 003b b1a4 0000 0000 0804 ec4e 0000 0000
		ecbb 0d32 0000 703c 2a86 09a3 7040 2a88 167d 16d2 1df3 175b 0212 0000 0000 0100
		0a1f 2600 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED:

NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:05:12.730 406 2 4622 -151 +16 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
+8.15 -21.92 159 23.33 1817 160 23.41 88.09 138.58 151 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
276 +3929 +3800 +3792 +3789 +0 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0000 766b 0000 7aca 0000 7687 003b b1bb fbf7 fffb 0413 f50a 0000 0000
f543 0134 0000 7199 1769 0992 7180 1764 14bc 1606 22a5 0acf 0196 0000 0000 0300
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TRACKING DATA

TIME	TRACK	AIRCRAFT	SENSOR	----BEACON CODE---		CONTROLLER	VELOCITY	VELOCITY	LIVE/SIMULATED:
	NUMBER	ID/LINK	NUMBER	ASSIGNED	REPORTED	KEYBOARD	X KNOTS	Y KNOTS	ARR/DEP/OVERFLIGHT:
01:05:12.730	590		2			-12	-105		RADAR-ONLY: NO

FIRMNESS: 35

DISPLAY X	DISPLAY NM	DISPLAY Y	DISPLAY NM	PRED_AZIM AZI DEG	PREDICTED RANGE NM	SYSTEM ACP DEG	SYSTEM RANGE NM	SPEED X NM	SPEED Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3
+33.56	-17.20			117	37.71	1332 117	37.71	113.88	136.70	105	VALID ALTITUDE: NO

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
186	CST	CST	+2750	+2739	-2	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 559f 0000 586a 0000 55f0 003b 9d6e fbf7 ffee 10c8 f767 0000 0000
		ff24 f887 0000 534b 25b7 0994 5320 25a8 1195 1c78 222d 0785 024e 0000 0000 0100
		031f 2300 0203 1001 0303 0000 0000 0001 0100 0000 0000 0001

TRACKING DATA

TIME	TRACK	AIRCRAFT	SENSOR	----BEACON CODE---		CONTROLLER	VELOCITY	VELOCITY	LIVE/SIMULATED:
	NUMBER	ID/LINK	NUMBER	ASSIGNED	REPORTED	KEYBOARD	X KNOTS	Y KNOTS	ARR/DEP/OVERFLIGHT:
01:05:12.730	328		2		6655	+0	+0		RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X	DISPLAY NM	DISPLAY Y	DISPLAY NM	PRED_AZIM AZI DEG	PREDICTED RANGE NM	SYSTEM ACP DEG	SYSTEM RANGE NM	SPEED X NM	SPEED Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0
+17.04	-20.54			140	26.63	1596 140	26.68	97.02	137.64	143	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+329	+200	+0	+329	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:05:12.730 Active Track Maintenance Msg 1700 0058 0000 0a4a 0000 0a4a 0000 0000 0000 0000 fbf7 0000 0885 f5bb 0000 0000
0000 0000 0000 63c8 1aaf 0dad 63c8 1aaf 0000 1841 2269 0a2f 0148 0001 0000 0000
001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:12.850	555	2	3507		+75	+183			RADAR-ONLY: NO

FIRMNESS: 33

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4 VALID ALTITUDE: YES
+26.20	-24.41	133	35.77	1512 133	35.80	104.92	131.59	198	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
22	+5029	+4900	+4900	+4900	+0	+0	11101

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CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:12.850	Active Track Maintenance Msg	1700 0058 0000 9920 0000 9d2a 0000 9920 003b b066 fbf7 0000 0d1a f3cb 0000 0000
		0558 0d07 0000 5e8f 23cc 0747 5e90 23d0 0870 1a3b 20e6 0e15 022b 0000 0000 0000
		041d 2100 0203 1001 0303 0100 0000 0000 0000 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG X	QUA NM	BEACON Y	ALT NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
01:05:12.630	18	5.25	2085	183	2		84.23	157.08	2			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:12.850	Radar Report Msg	0b01 001c 003b b3a2 150f 2745 02a0 2094 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG X	QUA NM	BEACON Y	ALT NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		5.00	2125	187	3		84.03	157.44	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b3a2 1502 275c 0280 2134 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP ALT	DEG X	QUA NM	BEACON Y	ALT NM	COR STAT	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
		16.81	2103	185	7		80.17	146.06	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b3a2 140b 2484 0868 20dc 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	45.84	2123	187	4			69.16	119.16	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:12.850	Radar Report Msg	0b01 001c 003b b3ac 114a 1dca 16ec 212c 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	31.88	2141	188	7			73.41	132.52	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b3ac 125a 2121 0ff0 2174 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	4.44	2243	197	1			83.59	158.33	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b3ac 14e6 2795 0238 230c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:12.950	173	2	6307		+530	-190			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
-0.85	-16.74	182	16.71	2080	183	16.79	80.97	146.67	564 INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
109	+32600	+32600	+32637	+32574	-13	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:12.950	Active Track Maintenance Msg	1700 0058 0003 f9f6 0003 fac0 0003 fbef 003b b2e5 0000 ff91 ff93 f7a1 0000 0000
		25be f26d 0000 8201 10ca 0cc7 7fff 10c4 0000 143e 24ab 281c 00ad 0000 0000 0000
		091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	5.38	2275	200	4			82.86	157.63	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:12.960	Radar Report Msg	0b01 001c 003b b410 14b7 2768 02b0 238c 0204 0400 0001 0303 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED:

NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:05:13.170 580 N6574G 2 4614 4614 1W -68 +63 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 4
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-1.42 -16.81 184 16.87 2103 185 16.87 80.14 145.95 93 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
312 +5029 +4900 +4904 +4902 +0 +0 11101

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:13.170	Active Track Maintenance Msg	1700 0058 0000 9930 0000 9d2a 0000 9943 003b b2fd fbf7 fffd ff4a f798 0000 0000 fb22 047d 0000 8370 10de 098c 7fff 10e0 0100 1409 247d 069f 0244 0000 0000 0000 041d 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Flight Plan Maintenance Msg 1800 01d4 0000 0002 0000 0000 0000 0200 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0004 0300 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 098c 0003 0032 0032 0032 0037 0066 0000
0000 0000 0000 0000 0000 002c 0001 0000 0000 0000 00e2 0000 0030 00be 0244 0107
0000 00ec 0000 01fc 0105 0156 0000 0000 0000 0000 0000 0000 0000 01fd ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 35ff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0502
0001 0000 0000 0043 4331 3732 0000 0000 4848 5200 5656 5600 2020 2020 2020 2020
2020 0000 4e36 3537 3447 0000 0000 0035 3935 0000 0057 0000 0000 0020 5656 5600
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA
TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT:
01:05:13.170 49 2 6311 +348 +38 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-2.81 -44.63 183 44.71 2087 183 44.71 71.75 119.42 350 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
83 +9129 +9000 +8960 +8890 -15 +0 11111

CDR RECORDED MESSAGE DUMPS
TIME SUBMESSAGES CONTENTS
Active Track Maintenance Msg 1700 0058 0001 15d0 0001 1d4a 0001 1800 003b b2ee fbf7 ff88 fe98 e9af 0000 0000

18c2 02c4 0000 8273 2cb6 0cc9 7fff 2cb8 0000 11f0 1ddb 18ea 0031 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:13.170	379	2	6312		+218	+88			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-0.88	-11.94	184	11.97	2093 184	11.98	81.91	150.55	236	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
67	+5929	+5800	+5802	+5599	-43	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 aefb 0000 b94a 0000 b550 003b b2f6 fbf7 fea1 ff8f fa08 0000 0000
		0f8d 0654 0000 82db 0bfa 0cca 7fff 0bf8 0000 147a 25a3 10ca 017b 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:13.170	532	2	7234		-85	-249			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
-3.19	-20.22	189	20.44	2149 189	20.42	77.58	143.11	264	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
199	+4529	+4400	+4415	+4664	+52	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 91c5 0000 8d8a 0000 89f9 003b b332 fbf7 01a6 fe68 f5e4 0000 0000
		f9e3 ee3a fffc 8655 146b 0e9c 7fff 1478 0000 1365 23c7 12cc 0214 0000 0000 0000
		051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:13.170	449	2	7242		-320	+153			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-7.55	-30.37	193	31.22	2204 194	31.31	70.98	134.78	355	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
295	+33000	+33000	+32998	+32998	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0004 0737 0004 0740 0004 0737 003b b372 0000 0000 fc39 f0d1 0000 0000
e934 0ae7 0000 89cf 1f50 0ea2 7fff 1f4c 0000 11bf 21b2 1945 01c1 0000 0000 0000
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:13.170	361	2		1022	+168	-230			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
-5.35	-21.24	194	21.84	2212 194	22.04	75.23	142.69	286	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
143	+8329	+8200	+8214	+8538	+68	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 0ad6 0001 044a 0001 00b7 003b b375 fbf7 0227 fd53 f561 0000 0000
		0c03 ef95 fffc 8a48 160b 0212 7fff 15e8 0000 12cf 23ac 1457 0169 0000 0000 0000
		051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:13.170	219	2	1060		-384	-120			RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-8.13	-20.31	201	21.88	2296 202	21.90	73.22	144.84	403	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
252	+35000	+35000	+34999	+34999	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0004 45bd 0004 45c0 0004 45bb 003b b3d7 0000 0000 fbf0 f5d8 0000 0000
		e4a4 f76a 0000 8f88 15e6 0230 7fff 15e0 0000 124e 2436 1cac 00db 0000 0000 0000
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:05:12.930	20	32.34	2491	219	4		59.77	142.67	4		RT		2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:13.180	Radar Report Msg	0b01 001c 003b b492 0ef1 23ab 102c 26ec 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	28.47	2498	220	7			62.72	145.22	7			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b492 0fae 244e 0e3c 2708 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	5.56	2531	222	1			81.30	158.95	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b492 1453 27bd 02c8 278c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	5.56	2507	220	1					81.41	158.78	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b492 145a 27b2 02c8 272c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:13.290	330	2	1007		+0	+0			RADAR-ONLY: NO

FIRMNESS: 7

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 3 VALID ALTITUDE: YES
+58.25	-13.65	103	59.82	1174 103	59.83	138.59	133.92	0	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
0	+15929	+15800	+15800	+15800	+0	+0	00001

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:13.290	Active Track Maintenance Msg	1700 0058 0001 edc0 0001 f1ca 0001 edc0 003b aee8 fbf7 0000 1d20 f92d 0000 0000 0000 0000 0000 4960 3bd4 0207 4960 3bd4 405c 22a6 217b 0000 014a 0000 0000 001c 0301 0700 0203 1000 0303 0100 0000 0100 0001 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:13.390	586	2	4673		+300	-16			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 4

X NM	Y NM	AZI DEG	RANGE NM	ACP DEG	RANGE NM	X NM	Y NM	KNOTS	VALID ALTITUDE: YES
-10.84	-12.29	221	16.34	2517 221	16.38	72.23	152.73	300	INHIBIT MSAW PROCESS:
									INHIBIT MSAW DISPLAY:

HEADING REPORTED	UNCORRECTED	SMOOTHED	PREDICTED	VELOCITY	ACCELERATION	ALT SLID
DEGREES	ALT FEET	ALT FEET	ALT FEET	ALT FEET	Z FT/SEC	Z FT/SEC/SEC	WINDOW
93	+9929	+9800	+9816	+9731	-24	-2	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:13.390	Active Track Maintenance Msg	1700 0058 0001 301a 0001 364a 0001 32c7 003b b4d1 fbf7 ff40 fa95 f9db 0000 0000
		155c fedc ffee 9d5d 1060 09bb 7fff 1064 003b 120f 262f 1564 024a 0000 0000 25e8
		041f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR ALT	X NM	SYSTEM Y NM	SYSTEM STAT	PROC	STR	SC	TYP	SYS
01:05:13.060	21	5.97	2581	227	4			80.72	159.09	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b5d2 142e 27c6 02fc 2854 0204 0400 0001 0303 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	6.78	2636	232	3			79.73	159.19	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b5d2 13ef 27cc 0364 2930 0203 0300 0001 0203 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	6.63	2635	232	2			79.89	159.25	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b5d2 13f9 27d0 0350 292c 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	8.03	2659	234	1			78.45	158.94	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b5d2 139d 27bc 0404 298c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:05:13.290	22	8.66	2666	234	1		77.83	158.78	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

01:05:13.510 Radar Report Msg 0b01 001c 003b b64a 1375 27b2 0454 29a8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X NM	Y NM	STAT					
	7.22	2651	233	1			79.27	159.16	1		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b64a 13d1 27ca 039c 296c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
							ALT	X NM	Y NM	STAT					
	7.88	2691	237	4			78.47	159.34	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b64a 139e 27d6 03f0 2a0c 0204 0400 0001 0303 1d00 0000

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TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	4.38	2713	238	2				81.88		160.66	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b64a 1478 282a 0230 2a64 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	8.72	2748	242	4				77.45		159.80	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b64a 135d 27f3 045c 2af0 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	9.66	2733	240	4				76.58		159.34	4		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b64a 1325 27d6 04d4 2ab4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM	SYSTEM	PROC	STR	SC	TYP	SYS
	NM						ALT	X	NM	Y	NM	STAT			
	15.75	2747	241	2				70.56		158.08	2		RT	2	

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

	Radar Report Msg	0b01 001c 003b b64a 11a4 2785 07e0 2aec 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM	Y	NM	STAT	SYSTEM COR	SYSTEM PROC	STR	SC	TYP	SYS
01:05:13.380	23	2.00	2797	246	5		84.61		161.64	5			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:13.620	Radar Report Msg	0b01 001c 003b b6ae 1527 2869 0100 2bb4 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	NM	Y	NM	STAT	SYSTEM COR	SYSTEM PROC	STR	SC	TYP	SYS
		11.00	2819	248	1		74.98		160.41	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b6ae 12bf 281a 0580 2c0c 0201 0100 0001 0000 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
29.03	2757	242	5				57.53	155.31	5			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b6ae 0e62 26d4 0e84 2b14 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
10.91	2787	245	1				75.16	159.89	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b6ae 12ca 27f9 0574 2b8c 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
12.00	2835	249	3				73.95	160.56	3			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b6ae 127d 2824 0600 2c4c 0203 0300 0001 0203 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:13.730	8	2	1273	+0	-11				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X	DISPLAY NM	DISPLAY Y	DISPLAY NM	PRED_AZIM AZI DEG	PREDICTED RANGE NM	SYSTEM ACP	SYSTEM DEG	SYSTEM RANGE NM	SPEED X NM	SPEED Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 ALTITUDE VALID: YES

-37.73 -33.25 228 50.26 2601 229 50.35 40.86 139.23 11 INHIBIT MSAW PROCESS:
INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
182	-899	-899	-899	-899	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:13.730	Active Track Maintenance Msg	1700 0058 ffff e3e1 ffff e3e1 ffff e3e1 003b b52e 0000 0000 ed23 ef60 0000 0000 fff5 ff2e 0000 a29e 3259 02bb 7fff 324c a00f 0a37 22cf 00d2 0008 0000 0000 6990 0a1f 2603 0203 1000 0303 0100 0000 0000 0000 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:05:13.730 87 CPF420 2 4664 4664 1X +124 -24 RADAR-ONLY: NO
FIRMNESS: 38
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 7
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-2.46 -1.29 242 2.74 2755 242 2.79 83.16 161.23 126 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
101 +5129 +5000 +4997 +4992 +0 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 9c06 0000 a04a 0000 9c29 003b b5dc fbf7 fff9 fec5 ff5b 0000 0000
08d9 fe41 0000 ac3e 02c9 09b4 7fff 02c8 2a54 14ca 284f 0905 0057 0000 0000 3080
071f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 0000 0000 0010 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0002 0000 0000 0000 0000 0000 0000 0000 0000 0000 0002
0000 00c0 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09b4 0015 0032 0032 0032 003c 017c 0000
0000 0000 0000 0000 0000 0001 0026 0000 0000 0000 00ed 0000 01b0 009b 0057 0201
0000 00b1 0000 0010 0184 00d5 0000 0000 0000 0000 0000 0000 0000 0218 ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0001 0000
0100 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 2eff 0000 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0043 4332 3036 0000 0000 5748 5000 544f 4100 2020 2020 2020 2020
2020 0000 4350 4634 3230 0000 0000 0035 3634 0000 0058 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 0005 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 b100 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	23.44	2919	257	4			62.39	162.33	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:13.730	Radar Report Msg	0b01 001c 003b b6c2 0f99 2895 0bb8 2d9c 0204 0400 0004 0101 1d00 0000
01:05:13.840	Delete Track Msg	1704 0008 00b1 0510

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:05:13.620	24	15.31	2998	263	4		70.70	164.00	4			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:13.840	Radar Report Msg	0b01 001c 003b b730 11ad 2900 07a8 2ed8 0204 0400 0001 0303 1d00 0000

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TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	18.91	2923	257	3			66.94	162.36	3		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b730 10bc 2897 0974 2dac 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	44.28	2980	262	4			41.83	166.91	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b730 0a75 29ba 1624 2e90 0204 0400 0005 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	6.34	3057	269	7			79.80	163.25	7		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:13.860	Radar Report Msg	0b01 001c 003b b794 13f3 28d0 032c 2fc4 0207 0700 0003 0302 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	13.69	3121	274	4			72.92	166.25	4		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Radar Report Msg 0b01 001c 003b b794 123b 2990 06d8 30c4 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
13.78	3123	274	1						72.84	166.33	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b794 1236 2995 06e4 30cc 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
13.31	3139	276	1						73.39	166.47	1			RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b794 1259 299e 06a8 310c 0201 0100 0001 0000 1d00 0000

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:13.950	275	2		0257	+0	+0			RADAR-ONLY: NO

FIRMNESS: 63

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 0 VALID ALTITUDE: YES
+36.48	+1.00	88	36.45	1006	88 36.50	121.30	153.52	107	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
0	+1629	+1500	+0	+1629	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:13.950	Active Track Maintenance Msg	1700 0058 0000 32ea 0000 32ea 0000 0000 0000 0000 fbf7 0000 123e 0080 0000 0000
		0000 0000 0000 3ee2 247f 00af 3ee2 247f 0000 1e53 2661 079e 0113 0001 0000 0000
		001f 3f00 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
01:05:13.710	25	13.44	3130	275	1			73.22	166.34	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:13.950	Radar Report Msg	0b01 001c 003b b7ee 124e 2996 06b8 30e8 0201 0100 0001 0000 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR X NM	COR Y NM	SYSTEM STAT	SYSTEM	PROC	STR	SC	TYP	SYS
	10.13	3235	284	1				77.03	166.67	1			RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b7ee 1342 29ab 0510 328c 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:14.050	304	2	7342	-322	+152				RADAR-ONLY: NO
									FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES INHIBIT MSAW PROCESS: INHIBIT MSAW DISPLAY:
-35.68	-16.80	244	39.36	2786 245	39.43	47.41	154.70	357	

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
295	+35000	+35000	+35000	+34999	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:14.050	Active Track Maintenance Msg	1700 0058 0004 45bf 0004 45c0 0004 45c0 003b b5fd 0000 0000 ee29 f799 0000 0000 e90d 0ae1 0000 ae20 276f 0ee2 7fff 2770 a010 0bda 26ad 1966 0130 0000 0000 881c 0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME TRACK AIRCRAFT SENSOR ----BEACON CODE--- CONTROLLER VELOCITY VELOCITY LIVE/SIMULATED:
NUMBER ID/LINK NUMBER ASSIGNED REPORTED KEYBOARD X KNOTS Y KNOTS ARR/DEP/OVERFLIGHT: ARR
01:05:14.050 101 N8369X 2 4661 4661 1V +24 -80 RADAR-ONLY: NO
FIRMNESS: 34
DISPLAY DISPLAY DISPLAY DISPLAY PRED_AZIM PREDICTED SYSTEM SYSTEM SPEED ALTITUDE FIRMNESS: 10
X NM Y NM AZI DEG RANGE NM ACP DEG RANGE NM X NM Y NM KNOTS VALID ALTITUDE: YES
-6.01 -1.94 252 6.30 2870 252 6.31 79.47 161.48 84 INHIBIT MSAW PROCESS: NO
INHIBIT MSAW DISPLAY: NO
HEADING REPORTED UNCORRECTED SMOOTHED PREDICTED VELOCITY ACCELERATION ALT SLID
DEGREES ALT FEET ALT FEET ALT FEET ALT FEET Z FT/SEC Z FT/SEC/SEC WINDOW
163 +1329 +1200 +1175 +1247 +15 +0 11111

CDR RECORDED MESSAGE DUMPS

TIME SUBMESSAGES CONTENTS

Active Track Maintenance Msg 1700 0058 0000 26fa 0000 298a 0000 24be 003b b65b fbf7 007d fcff ff08 0000 0000
01ba fa47 0000 b360 0650 09b1 7fff 0650 a016 13de 285f 05fb 0065 0000 0000 003c
0a1f 2200 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001

Flight Plan Maintenance Msg 1800 01d4 0000 0000 0000 0000 0000 022c 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 4c00
0000 0200 0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 09b1 0005 0032 0032 0032 0034 02d9 0000
0000 0000 0000 0000 0000 0005 0005 0000 0000 0000 00eb 0000 0096 01f0 0065 0209
0000 0149 0000 013a 0037 0144 0000 0000 0000 0000 0000 0000 0000 01ef ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0001 0000 0001 0000 0000 0000 0001 0000 0100 0000 0001 0000
0100 0000 0001 0000 0001 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 11ff 0000 0000 0000 0000 0000 0100 0000 0000 0001 0001 0102
0001 0000 0000 0043 5041 3238 0000 0000 564e 5900 4848 5200 2020 2020 2020 2020
2020 0000 4e38 3336 3958 0000 0000 0037 3137 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 af00 0000 0000 0000 0000 0000 0000 0000 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:14.050	545	2	4706		-137	-35			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
-26.12	-6.71	255	26.91	2908 256	26.96	58.81	161.97	141	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
255	+3929	+3800	+3787	+3743	-9	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 74fe 0000 7aca 0000 7659 003b b687 fbf7 ffb6 f2f1 fca5 0000 0000 f63c fd81 0000 b5c3 1af5 09c6 7fff 1af8 0000 0eb4 287e 0a14 0221 0000 0000 802c 051f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:14.050	362	2		0006	+207	-359			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 9 VALID ALTITUDE: YES
-22.62	-5.26	257	23.16	2923 257	23.21	62.66	162.48	415	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
150	+13229	+13100	+13107	+12903	-44	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0001 933b 0001 9d6a 0001 9999 003b b698 fbf7 fe9f f4b1 fd5f 0000 0000
		0ebf e66b 0000 b6b0 1737 0006 7fff 1738 0000 0faa 289f 1d87 016a 0000 0000 0000
		091f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:14.050	591	2		0260	-12	+83			RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-6.92	-1.23	260	6.98	2958 260	6.98	78.77	162.41	84	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
351	+1929	+1800	+1801	+1801	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS

Active Track Maintenance Msg 1700 0058 0000 384f 0000 3c4a 0000 3849 003b b6be fbf7 0001 fc8a ff63 0000 0000
ff21 05f0 0000 b8ed 06fa 00b0 7fff 0708 0314 13b1 289a 0601 024f 0000 0000 0001
0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: OVR
01:05:14.050	274	N8063T	2	4763	4763	1V	+135	+26	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 5 VALID ALTITUDE: YES
-14.72	-2.62	260	14.91	2957 260	14.96	70.91	163.03	137	INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
78	+7129	+7000	+7008	+7032	+5	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 dbc6 0000 deca 0000 db04 003b b6be fbf7 002a f8a4 feb1 0000 0000
		099b 01e7 0000 b8d9 0ef6 09f3 7fff 0ef4 031c 11ba 28c2 09cb 0112 0000 0000 0001
		051f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 09f3 0005 0032 ffff 0032 002c 022a 0000
		0000 0000 0000 0202 0000 0003 0015 0000 0000 0000 00ae 0000 0070 0245 0112 00cb
		0000 002d 0000 011d 0133 00ba 0000 0000 0000 0000 0000 0000 0000 042f ffff 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000 0000
		0100 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0000 0006 2000 00ff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
		0001 0000 0000 0036 5041 3332 0000 0000 4f58 5200 4844 4600 2020 2020 2020 2020
		2020 0000 4e38 3036 3354 0000 0000 0030 3030 0000 0056 0000 0000 0020 0000 0000
		0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
		0000 0100 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
01:05:13.830	26	13.94	3277	288	4					74.13		169.31	4		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:14.060	Radar Report Msg	0b01 001c 003b b866 1288 2a54 06f8 3334 0204 0400 0001 0303 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X	SYSTEM NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	9.28	3290	289	3						78.17		166.92	3		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b866 138b 29bb 04a4 3368 0203 0300 0003 0003 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	10.13	3258	286	2			77.20	166.98	2		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b866 134d 29bf 0510 32e8 0202 0200 0001 0103 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON ALT	ALT X	COR NM	SYSTEM Y	SYSTEM NM	PROC STAT	STR	SC	TYP	SYS
	6.38	3287	289	5			80.63	165.23	5		RT	2			

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b866 1428 294f 0330 335c 0205 0500 0003 0102 1d00 0000

TARGET REPORTS

STIME	SN NM	RANGE	ACP	DEG	QUA	BEACON	ALT	COR	SYSTEM ALT	SYSTEM X NM	SYSTEM Y NM	PROC STAT	STR	SC	TYP	SYS
	14.09	3290	289	1					74.14	169.63	1		RT	2		

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Radar Report Msg	0b01 001c 003b b866 1289 2a68 070c 3368 0201 0100 0001 0000 1d00 0000

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT: ARR
01:05:14.170	475	N6887L	2	4714	4714	1V	+184	+13	RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10
-15.24	-1.13	265	15.23	3024 266	15.29	70.77	164.61	185	VALID ALTITUDE: YES

INHIBIT MSAW PROCESS: NO

INHIBIT MSAW DISPLAY: NO

HEADING REPORTED DEGREES	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY ALT FEET	ACCELERATION Z FT/SEC	ALT SLID Z FT/SEC/SEC	WINDOW
85	+5029	+4900	+4870	+4874	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
01:05:14.170	Active Track Maintenance Msg	1700 0058 0000 9854 0000 9d2a 0000 9832 003b b70a fbf7 0007 f861 ff70 0000 0000
		0d22 00fd 0000 bd01 0f4a 09cc 7fff 0f48 0000 11b1 2927 0d2c 01db 0000 0000 0000
		0a1f 2600 0201 1000 0303 0100 0000 0000 0001 0000 0000 0001
	Flight Plan Maintenance Msg	1800 01d4 0000 0000 0000 0000 0000 0000 0000 0004 0000 0000 0000 0000 0000 0000
		0000 0008 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 2000 0000
		0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

0000 0000 0000 0000 0000 0000 0000 0000 09cc 0005 0000 ffff 0032 0038 0253 0000
0000 0000 0000 00f3 0000 0003 0015 0000 0000 0000 00f2 0000 0014 0138 01db 00c3
0000 01aa 0000 0062 0054 01c9 0000 0000 0000 0000 0000 0000 0000 025c ffff 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0100 0000 0000 0000
0100 0000 0001 0000 0000 0000 0001 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0006 2000 1dff 0600 0000 0000 0000 0000 0100 0003 0000 0001 0001 0102
0001 0000 0000 0036 4334 3231 0000 0000 4f58 5200 4343 4200 2020 2020 2020 2020
2020 0000 4e36 3838 374c 0000 0000 0037 3937 0000 0056 0000 0000 0020 0000 0000
0000 2020 2001 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 000f 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0001
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

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TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:14.170	297	2	1056	-7	+96				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-41.39	-0.25	269	41.38	3067 270	41.38	45.70	172.08	96	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
355	+6929	+6800	+6778	+6836	+12	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS
	Active Track Maintenance Msg	1700 0058 0000 d5a5 0000 d88a 0000 d3d5 003b b73b fbf7 0065 eb4e ffe0 0000 0000
		ff73 06d5 0000 bfb2 2962 022e 7fff 2964 0000 0b6d 2b05 06db 0129 0000 0000 0125
		0a1f 2600 0203 1000 0303 0100 0000 0000 0001 0000 0000 0001

TRACKING DATA

TIME	TRACK NUMBER	AIRCRAFT ID/LINK	SENSOR NUMBER	----BEACON CODE--- ASSIGNED	REPORTED	CONTROLLER KEYBOARD	VELOCITY X KNOTS	VELOCITY Y KNOTS	LIVE/SIMULATED: ARR/DEP/OVERFLIGHT:
01:05:14.170	9	2	1275	+0	-3				RADAR-ONLY: NO

FIRMNESS: 38

DISPLAY X NM	DISPLAY Y NM	DISPLAY AZI DEG	DISPLAY RANGE NM	PRED_AZIM ACP DEG	PREDICTED RANGE NM	SYSTEM X NM	SYSTEM Y NM	SPEED KNOTS	ALTITUDE FIRMNESS: 10 VALID ALTITUDE: YES
-12.52	-11.00	228	16.65	2601 229	16.66	70.88	154.38	3	INHIBIT MSAW PROCESS:

INHIBIT MSAW DISPLAY:

HEADING DEGREES	REPORTED ALT FEET	UNCORRECTED ALT FEET	SMOOTHED ALT FEET	PREDICTED ALT FEET	VELOCITY Z FT/SEC	ACCELERATION Z FT/SEC/SEC	ALT SLID WINDOW
162	-470	-599	-599	-599	+0	+0	11111

CDR RECORDED MESSAGE DUMPS

TIME	SUBMESSAGES	CONTENTS