

NATIONAL TRANSPORTATION SAFETY BOARD
OFFICE OF RESEARCH AND ENGINEERING

Washington, D.C.

October 24, 1995

FLIGHT DATA RECORDER FACTUAL REPORT OF INVESTIGATION

TABULAR DATA PRINTOUT
DCA-95-MA-054

A. ACCIDENT

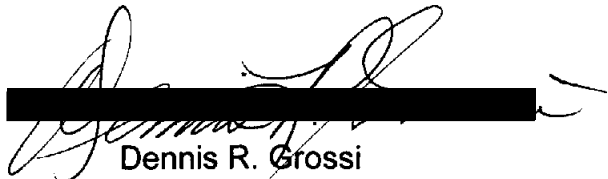
Location : Carrollton, Georgia
Date : August 21, 1995
Aircraft : Atlantic Southeast Airlines (ASA) Flt. 529,
Embraer EMB-120 RT, N256AS

B. GROUP

Dennis R. Grossi, Group Chairman, N.T.S.B.
Francis Rock, Federal Aviation Administration
Joseph M. Bracken, Air Line Pilots Association, Int'l.
Steve Josephson, Hamilton Standard
Mark Feeney, Pratt and Whitney Canada
Sergio Horta, Embraer Aircraft Co.

C. SUMMARY

On August 21, 1995, at about 1253 eastern daylight time (EDT), an Embraer EMB-120RT, N256AS, airplane operated by Atlantic Southeast Airlines (ASA) crashed after departing the Atlanta Hartsfield International Airport (ATL), Atlanta, Georgia. The flight was a scheduled passenger flight carrying 26 passengers and a crew of three operated under the provisions of Title 14 Code of Federal Regulations (CFR) Part 135. The flight was operating in accordance with instrument flight rules (IFR). While climbing through 18,000 feet, the flight crew declared an emergency and initially attempted to return to Atlanta. The pilots advised they were unable to maintain altitude and were vectored toward West Georgia Regional Airport, Carrollton, Georgia for an emergency landing. The airplane continued descent until ground impact. The airplane was destroyed by impact forces and postcrash fire. The captain and seven passengers received fatal injuries.



Dennis R. Grossi

National Resource Specialist Flight Data Recorders

FDR Parameter Listing

**TABULAR DATA NO.1, EMB120, N256AS, DCA-95-M-A-054
AUGUST 21,1995, Revised: OCT 24, 1995,**

Plot No. 4, Engine Data , EMB120, N256AS, DCA-95-M-A-054
 August 21,1995, Revised: OCT 24, 1995,

LOCAL TIME	PRESSURE ALT (FEET)	MSL ALTITUDE (FEET)	HEADING (DEG)	AIRSPED (KNOTS)	ROLL (DEG.)	PITCH (DEG.)	CONTROL COLM. POS (DEG.)	CTBL WHEEL (DEG.)	CTBL WHEEL (DEG.)	TORQUE RIGHT (%)	TORQUE LEFT (%)	PROP RPM (LEFT) (%)	PROP RPM (RIGHT) (%)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	FUEL FLOW LEFT (PPH)	FUEL FLOW RIGHT (PPH)	PROP IMBALANCE ENGI (G)	PROP IMBALANCE ENGI2 (G)	VERTICAL ACCEL (G'S)
							5.3	0.20	-0.4	3.3										0.9814
12:43:10	17873.00	18021.00	252.1	162.1	-0.9	5.2	-0.11	-0.2	3.5	62.9	62.3	89.9	89.9	94.7	94.4	512.5	518.7	0.05	0.12	0.9768
12:43:11	17873.00	18021.00	251.7	161.5	-0.9	5.3	0.22	-0.2	3.5	63.0	63.6	89.9	89.9	94.7	94.4	511.4	518.7	0.05	0.11	0.9814
12:43:12	17873.00	18021.00	251.7	160.9	-1.0	5.1	0.20	-0.5	3.2	63.2	62.6	90.1	89.8	94.7	94.4	512.5	512.5	0.05	0.12	0.9814
12:43:13	17903.04	18051.04	251.7	161.2	-0.7	5.3	0.23	-0.1	3.5	62.9	63.6	90.1	89.8	94.7	94.4	512.2	513.4	0.05	0.10	0.9814
12:43:14	17903.04	18051.04	251.7	161.5	-0.7	5.3	0.20	-0.2	3.5	62.9	62.6	90.1	90.1	94.7	94.5	511.6	515.8	0.05	0.12	0.9814
12:43:15	17903.04	18051.04	251.7	161.5	-0.8	5.1	0.14	-0.3	3.4	62.9	63.6	90.1	90.1	94.7	94.4	512.2	515.2	0.05	0.14	0.9814
12:43:16	17933.07	18081.07	251.7	161.5	-0.7	5.3	0.12	-0.1	3.3	63.0	62.6	90.1	90.1	94.7	94.4	512.2	515.5	0.05	0.13	0.9814
12:43:17	17943.08	18091.08	251.7	161.8	-0.6	5.2	0.12	-0.1	3.3	62.8	63.5	90.1	90.2	94.7	94.4	511.6	517.5	0.05	0.13	0.9814
12:43:18	17973.12	18121.12	251.4	161.8	-0.5	5.2	0.15	-0.1	3.6	63.0	62.4	90.1	89.9	94.7	94.4	507.8	516.6	0.05	0.14	0.9814

Plot No. 4, Engine Data , EMB120, N256AS, DCA-95-M-A-054
 August 21,1995, Revised: OCT 24, 1995.

LOCAL TIME	PRESSURE ALT COMB (FEET)	MSL ALTITUDE (FEET)	HEADING (DEG)	AIRSPEED (KNOTS)	ROLL (DEG.)	PITCH (DEG.)	CONTROL COLM. POS (DEG.)	CTRL WHEEL (CORR) (DEG.)	CTRL WHEEL PSIN (DEG.)	TORQUE RIGHT (%)	TORQUE LEFT (%)	PROP RPM (LEFT) (%)	PROP RPM (RIGHT) (%)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	FUEL FLOW LEFT (PPH)	FUEL FLOW RIGHT (PPH)	PROP UNBALNCE ENGI (G)	PROP UNBALNCE ENGI2 (G)	VERTICAL ACCEL (G'S)
12:43:19	18003.16	18151.16	251.7	161.2	-0.5 -0.4	5.3 5.2 5.2	0.16 0.15 0.15	-0.1 -0.2 -0.1	3.6 3.6 3.6	62.9	63.4	89.9	89.9	94.7	94.4	510.2	515.5	0.05	0.12	0.9791 0.9791 0.9746 0.9746 0.9746 0.9746 0.9746 0.9746 0.9746
12:43:20	18003.16	18151.16	251.4	160.7	-0.4 -0.3	5.2 5.3 5.3	0.16 0.15 0.16	0.0 -0.2 -0.2	3.6 3.6 3.5	63.0	62.6	89.8	89.9	94.7	94.4	511.9	516.0	0.05	0.11	0.9746 0.9746 0.9746 0.9791 0.9837 0.9791 0.9837 0.9837
12:43:21	18003.16	18151.16	251.4	161.6	-0.4 -0.4	5.4 5.5 5.5	0.15 0.15 0.16	0.0 -0.1 -0.1	3.6 3.6 3.6	62.8	63.1	89.9	90.1	94.7	94.4	508.1	515.8	0.06	0.12	0.9791 0.9791 0.9746 0.9746 0.9746 0.9746 0.9746
12:43:22	18033.19	18181.19	251.4	160.7	-0.4 -0.4	5.4 5.5 5.5	0.13 0.13 0.15	-0.1 -0.3 -0.1	3.6 3.6 3.5	63.2	63.0	89.9	89.9	94.7	94.4	511.9	519.9	0.06	0.12	0.9746 0.9746 0.9746 0.9746 0.9791 0.9746 0.9791 0.9746
12:43:23	18033.19	18181.19	251.7	161.6	-0.2 -0.2	5.3 5.5 5.5	0.14 0.13 0.12	-0.1 -0.1 -0.2	3.6 3.6 3.5	62.8	63.1	89.9	90.1	94.7	94.4	511.9	518.7	0.06	0.13	0.9746 0.9746 0.9746 0.9746 0.9746 0.9746 0.9746 0.9746
12:43:24	18033.19	18181.19	251.7	161.6	-0.1 -0.2	5.3 5.5 5.5	0.16 0.14 0.15	-0.2 -0.4 -0.4	3.5 3.5 3.3	62.9	63.1	89.9	89.9	94.7	94.4	507.8	519.9	0.06	0.14	0.9746 0.9746 0.9746 0.9746 0.9746 0.9746 0.9746 0.9746
12:43:25	18063.23	18211.23	251.7	161.3	-0.2 -0.3	5.3 5.5 5.3	0.15 0.14 0.12	-0.2 -0.2 0.3	3.5 3.5 3.9	62.9	62.8	89.9	90.1	94.7	94.4	507.5	517.8	0.06	0.12	0.9746 0.9746 0.9746 0.9746 0.9746 0.9746 0.9746 0.9746
12:43:26	18033.19	18181.19	251.7	159.7	-0.4 -2.5	5.2 3.9 3.6	0.31 -0.22 7.48 0.98	0.1 1.8 3.3 12.7	3.7 3.7 14.6	62.4	121.2	23.6	88.3	88.1	94.4	85.3	516.9	0.10	0.25	0.9677 0.9677 0.9157 0.9157 0.8532 0.8876 0.8166 1.9555 7822 7685
12:43:27	18043.21	18191.21	247.1	158.5	-5.0 -12.2	3.3 3.9 1.4	0.72 0.58 0.73 0.45	21.2 23.3 32.7 38.8	21.9 23.7 31.9 37.1	62.4	0.0	23.6	89.7	79.9	94.3	129.2	515.5	0.16	0.26	7822 6174 6220 6380 6678 6769 6938 6472
12:43:28	18043.21	18191.21	243.6	156.6	-19.3	0.5	0.78	38.7	37.0	62.2	0.0	23.6	89.9	76.5	94.4	115.8	513.7	0.16	0.19	0.6334

Plot No. 4, Engine Data , EMB120, N256AS, DCA-95-M-A-054
 August 21,1995, Revised: OCT 24, 1995,

LOCAL TIME	PRESSURE ALT. CORR. (FEET)	MSL ALTITUDE (FEET)	HEADING (DEG)	AIRSPEED (KNOTS)	ROLL (DEG.)	PITCH (DEG.)	CONTROL COLM. POS. (DEG.)	CTRL WHEEL (CORR) (DEG.)	CTRL WHEEL PSN. (DEG.)	TORQUE RIGHT (%)	TORQUE LEFT (%)	PROP RPM (LEFT) (%)	PROP RPM (RIGHT) (%)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	FUEL FLOW LEFT (PPH)	FUEL FLOW RIGHT (PPH)	PROP IMBALNCE ENG1 (G)	PROP IMBALNCE ENG2 (G)	VERTICAL ACCEL (G'S)
12:43:47	16911.83	17059.83	212.7	174.2	-6.1 -5.6	-8.8 -8.0 -8.2 -9.4	1.24 1.44 1.41 1.25	26.0 24.9 24.6 24.1	26.1 25.2 24.8 24.5	60.8	0.0	23.6	90.4	71.6	93.5	147.4	504.0	0.16	0.15	0.8624 0.9036 0.8794 0.8578 0.8496 0.8578 0.8496 0.8326 0.8418 0.8496 0.8669 0.8669 0.9036 0.9167 0.9173
12:43:48	16851.75	16999.75	212.3	175.1	-5.1 -4.7	-9.6 -9.0 -9.5	1.51 1.33 1.43 1.45	24.5 23.9 23.6 26.1	24.8 24.3 24.0 26.1	60.8	0.0	23.6	90.5	71.3	93.5	170.5	502.6	0.14	0.13	0.8794 0.8578 0.8496 0.8326 0.8418 0.8496 0.8669 0.8669 0.9036 0.9167 0.9173
12:43:49	16751.63	16899.63	211.6	175.4	-4.5 -4.8	-9.4 -8.8 -8.8	1.89 1.83 1.47 1.32	25.9 25.1 25.1 25.1	26.0 25.3 25.3 25.3	60.9	0.0	23.6	90.4	71.1	93.5	93.5	508.7	0.12	0.12	0.9036 0.9333 0.9036 0.9179 0.9179 0.9319 0.9319 0.9577 0.9319 0.9319
12:43:50	16691.56	16839.56	210.9	177.3	-5.9 -6.8	-9.0 -9.4 -9.6	1.33 1.40 1.49 1.54	25.3 25.0 25.0 25.1	25.5 25.7 25.7 25.3	60.8	0.0	23.6	90.2	70.9	93.5	127.5	509.6	0.11	0.11	0.9319 0.9319 0.9577 0.9577 0.9719 0.9719 0.9861 0.9861 1.0003 1.0003 1.0145
12:43:51	16601.45	16749.45	210.2	178.5	-6.8 -6.9	-9.5 -9.1 -9.1	1.65 1.64 1.40	25.0 24.9 25.1	25.2 25.1 25.3	61.2	0.0	23.6	90.5	70.7	93.6	165.9	511.6	0.12	0.10	1.0145 1.0287 1.0429 1.0571 1.0713 1.0713 1.0855 1.0855 1.1097 1.1097 1.1239
12:43:52	16491.31	16639.31	209.9	179.8	-6.8 -7.2	-9.1 -9.1 -9.1	1.54 1.63 1.36	25.3 25.8 27.6	25.5 26.7 27.4	61.2	0.0	23.6	90.5	70.5	93.5	170.3	514.3	0.13	0.11	1.1239 1.1381 1.1523 1.1665 1.1807 1.1807 1.1949 1.1949 1.2191 1.2191 1.2333
12:43:53	16411.22	16559.22	208.8	180.7	-7.2 -8.3	-9.1 -9.3 -9.3	1.44 1.47 1.65	27.3 26.3 29.0	27.3 27.1 28.7	61.2	0.0	23.6	90.6	70.2	93.6	170.5	514.9	0.12	0.11	1.2333 1.2475 1.2617 1.2759 1.2901 1.2901 1.3043 1.3043 1.3285 1.3285 1.3427
12:43:54	16321.11	16469.11	207.8	182.9	-9.7 -10.4	-9.4 -9.3 -9.2	1.70 1.49 1.45	30.5 30.9 31.1	30.0 30.3 30.5	63.2	0.0	23.6	90.8	69.9	93.5	179.9	520.7	0.11	0.09	1.3427 1.3569 1.3711 1.3853 1.3995 1.3995 1.4137 1.4137 1.4379 1.4379 1.4521
12:43:55	16231.00	16379.00	207.1	184.7	-11.0 -11.8	-9.3 -9.3 -9.8	1.45 1.45 1.12	30.8 29.1 29.0	30.2 28.7 28.7	64.3	0.0	23.6	90.6	69.7	93.8	163.5	536.6	0.11	0.08	1.4521 1.4663 1.4805 1.4947 1.5089 1.5089 1.5231 1.5231 1.5473 1.5473 1.5615
12:43:56	16120.86	16268.86	206.4	186.7	-13.3 -13.4	-10.0 -10.0	1.62 1.68	31.2 31.7	30.6 31.0	64.3	0.0	23.6	90.4	69.5	94.1	147.1	539.8	0.10	0.08	1.5615 1.5757 1.5899 1.6041 1.6183 1.6183 1.6325 1.6325 1.6567 1.6567 1.6709

Plot No. 4, Engine Data , EMB120, N256AS, DCA-95-M-A-054
 August 21,1995, Revised: OCT 24, 1995,

LOCAL TIME	PRESSURE ALT. COMP (FEET)	MSL ALTITUDE (FEET)	HEADING (DEG)	AIRSPEED (KNOTS)	ROLL (DEG.)	PITCH (DEG.)	CONTROL POS. (DEG.)	CTRL WHEEL (DEG.)	CTRL WHEEL (DEG.)	TORQUE RIGHT (%)	TORQUE LEFT (%)	PROP RPM (LEFT) (%)	PROP RPM (RIGHT) (%)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	FUEL FLOW LEFT (PPH)	FUEL FLOW RIGHT (PPH)	PROP IMBALNCE ENGI (G)	PROP IMBALNCE ENGI (G)	VERTICAL ACCEL (G'S)
							-9.9 -9.5	1.77 1.56	32.0 31.8	31.2 30.9										0.9036 0.9219 0.9517 0.9700 0.9882 0.9999
12:43:57	16030.75	16178.75	204.6	188.9	-13.6 -14.1	-9.3 -9.3 -9.4	1.43 1.48 1.50	32.1 32.1 32.1	31.3 31.3 31.3	65.1	0.0	23.6	90.4	69.3	94.1	149.7	538.6	0.09	0.08	0.9570 0.9684 0.9798 0.9867 0.9919
12:43:58	15980.69	16128.69	203.2	190.1	-14.3 -14.5	-9.5 -9.3 -8.9	1.69 1.82 2.07	32.1 32.3 32.3	31.4 31.4 31.5	64.9	0.0	23.6	90.4	69.1	94.1	138.9	544.2	0.10	0.08	0.9524 0.9475 0.9524 0.9524 0.9524 0.9776 0.9822 0.9813 0.9867 0.9919
12:43:59	15850.53	15998.53	202.1	190.8	-15.0 -16.3	-8.5 -8.3 -8.0	1.95 1.72 1.56	32.7 32.6 32.4	31.9 31.9 32.2	65.5	0.0	23.6	90.6	69.0	94.1	129.8	543.0	0.09	0.08	0.9524 0.9475 0.9524 0.9524 0.9524 0.9776 0.9822 0.9813 0.9867 0.9919
12:44:00	15790.46	15938.46	199.7	191.6	-17.5 -17.8	-8.3 -8.3 -8.3	1.63 1.67 1.65	32.5 32.5 32.5	32.2 32.2 32.2	65.6	0.0	23.6	90.4	68.9	94.1	121.0	543.9	0.11	0.09	0.9524 0.9475 0.9524 0.9524 0.9524 0.9776 0.9822 0.9813 0.9867 0.9919
12:44:01	15700.35	15848.35	198.6	192.0	-17.7 -16.5	-8.2 -8.1 -8.0	1.62 1.62 1.62	32.4 32.4 32.4	32.3 32.3 32.5	65.6	0.0	23.6	90.5	68.8	94.1	118.1	544.5	0.11	0.09	0.9524 0.9475 0.9524 0.9524 0.9524 0.9776 0.9822 0.9813 0.9867 0.9919
12:44:02	15590.22	15738.22	197.6	192.3	-14.5 -13.3	-7.9 -7.9 -7.6	1.64 1.61 1.75	32.7 32.7 33.1	32.6 32.6 32.2	65.8	0.0	23.6	90.2	68.7	94.2	120.4	548.9	0.12	0.09	0.9524 0.9475 0.9524 0.9524 0.9524 0.9776 0.9822 0.9813 0.9867 0.9919
12:44:03	15530.14	15678.14	195.8	192.7	-13.1 -13.9	-7.4 -7.1 -6.9 -6.7	1.64 1.71 1.86 1.85	32.7 32.7 32.7 32.2	31.9 31.9 32.4 32.2	65.4	0.0	23.6	90.2	68.6	94.2	115.5	549.2	0.11	0.09	0.9524 0.9475 0.9524 0.9524 0.9524 0.9776 0.9822 0.9813 0.9867 0.9919
12:44:04	15480.08	15628.08	194.1	192.7	-14.7 -14.6	-6.5 -6.3 -6.4 -6.5	1.56 1.75 1.62 1.65	32.0 32.5 32.5 33.4	32.9 32.9 32.4 32.5	65.8	0.0	23.6	90.5	68.3	94.1	115.5	551.2	0.10	0.09	0.9524 0.9475 0.9524 0.9524 0.9524 0.9776 0.9822 0.9813 0.9867 0.9919
12:44:05	15359.94	15507.94	193.0	194.0	-14.2 -14.2	-6.6 -6.5 -6.5 -6.3	1.69 1.63 1.68 1.68	32.1 32.3 32.2 32.2	32.2 32.2 32.3 32.3	66.2	0.0	23.6	90.5	68.2	94.1	115.8	552.4	0.12	0.11	0.9524 0.9475 0.9524 0.9524 0.9524 0.9776 0.9822 0.9813 0.9867 0.9919

Plot No. 4, Engine Data , EMB120, N256AS, DCA-95-M-A-054
 August 21,1995, Revised: OCT 24, 1995,

LOCAL TIME	PRESSURE ALT COMB (FEET)	MSL ALTITUDE (FEET)	HEADING (DEG)	AIRSPEED (KNOTS)	ROLL (DEG.)	PITCH (DEG.)	CONTROL COLM POS (DEG.)	CTRL WHEEL (DEG.)	CTRL WHEEL BSN (DEG.)	TORQUE RIGHT (%)	TORQUE LEFT (%)	PROP RPM (LEFT) (%)	PROP RPM (RIGHT) (%)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	FUEL FLOW LEFT (PPH)	FUEL FLOW RIGHT (PPH)	PROP IMBALNCE ENGI (G)	PROP IMBALNCE ENGI2 (G)	VERTICAL ACCEL (G'S)
12:44:34	13697.91	13845.91	148.4	194.2	-27.0 -26.6	-7.9 -8.3	1.38 1.32 1.31	30.7 30.7 30.9	30.2 30.2 30.1	68.0	0.0	23.6	90.2	66.3	94.1	120.4	567.3	0.12	0.09	0.9723 0.9674 0.9674 0.9620 0.9614 0.9568 0.9577 0.9471 0.9585 0.9571 0.9585 0.9592 0.9812 0.9817 0.9895 0.9895 0.9824 0.9824 0.9818 0.9824 0.9813 0.9823 0.9829 0.9818 0.9824 0.9810 0.9828 0.9872 0.9896 0.9896 0.9852 0.9856 0.9839 0.9848 0.9889 0.9866 0.9854 0.9854 0.9899 0.9899
12:44:35	13637.84	13785.84	146.2	194.9	-26.6 -26.4	-8.5 -8.8	1.32 1.25 1.56	30.1 30.3 28.6	29.7 29.0 28.3	67.8	0.0	23.6	90.4	66.1	94.1	121.0	573.5	0.12	0.11	0.9723 0.9674 0.9674 0.9620 0.9614 0.9568 0.9577 0.9471 0.9585 0.9571 0.9585 0.9592 0.9812 0.9817 0.9895 0.9895 0.9824 0.9824 0.9818 0.9824 0.9813 0.9823 0.9829 0.9818 0.9824 0.9810 0.9828 0.9872 0.9896 0.9896 0.9852 0.9856 0.9839 0.9848 0.9889 0.9866 0.9854 0.9854 0.9899 0.9899
12:44:36	13607.80	13755.80	143.8	195.6	-27.0 -28.7	-8.5 -9.0	1.45 1.29 1.84	28.7 30.3 32.3	28.4 30.3 31.5	68.0	0.0	23.6	90.5	66.0	94.2	120.4	572.9	0.10	0.11	0.9723 0.9674 0.9674 0.9620 0.9614 0.9568 0.9577 0.9471 0.9585 0.9571 0.9585 0.9592 0.9812 0.9817 0.9895 0.9895 0.9824 0.9824 0.9818 0.9824 0.9813 0.9823 0.9829 0.9818 0.9824 0.9810 0.9828 0.9872 0.9896 0.9896 0.9852 0.9856 0.9839 0.9848 0.9889 0.9866 0.9854 0.9854 0.9899 0.9899
12:44:37	13467.63	13615.63	141.3	194.9	-29.6 -29.7	-8.7 -9.0	1.89 1.03 1.57	32.8 33.3 34.5	32.0 33.4 33.4	68.5	0.0	23.6	90.6	65.9	94.1	125.1	576.4	0.10	0.09	0.9723 0.9674 0.9674 0.9620 0.9614 0.9568 0.9577 0.9471 0.9585 0.9571 0.9585 0.9592 0.9812 0.9817 0.9895 0.9895 0.9824 0.9824 0.9818 0.9824 0.9813 0.9823 0.9829 0.9818 0.9824 0.9810 0.9828 0.9872 0.9896 0.9896 0.9852 0.9856 0.9839 0.9848 0.9889 0.9866 0.9854 0.9854 0.9899 0.9899
12:44:38	13377.52	13525.52	137.8	195.6	-30.3 -30.5	-8.1 -8.7	1.89 1.61 1.59	35.5 36.5 35.8	34.3 34.8 34.5	68.5	0.0	23.6	90.5	65.8	94.2	129.5	577.3	0.11	0.09	0.9723 0.9674 0.9674 0.9620 0.9614 0.9568 0.9577 0.9471 0.9585 0.9571 0.9585 0.9592 0.9812 0.9817 0.9895 0.9895 0.9824 0.9824 0.9818 0.9824 0.9813 0.9823 0.9829 0.9818 0.9824 0.9810 0.9828 0.9872 0.9896 0.9896 0.9852 0.9856 0.9839 0.9848 0.9889 0.9866 0.9854 0.9854 0.9899 0.9899
12:44:39	13347.48	13495.48	135.0	196.6	-30.7 -30.1	-8.8 -9.0	2.02 1.83 1.86	36.8 36.4 35.8	35.4 37.0 34.5	68.6	0.0	23.6	90.4	65.9	94.2	125.1	578.5	0.10	0.09	0.9723 0.9674 0.9674 0.9620 0.9614 0.9568 0.9577 0.9471 0.9585 0.9571 0.9585 0.9592 0.9812 0.9817 0.9895 0.9895 0.9824 0.9824 0.9818 0.9824 0.9813 0.9823 0.9829 0.9818 0.9824 0.9810 0.9828 0.9872 0.9896 0.9896 0.9852 0.9856 0.9839 0.9848 0.9889 0.9866 0.9854 0.9854 0.9899 0.9899
12:44:40	13237.35	13385.35	132.2	195.9	-29.9 -29.9	-7.9 -8.3	1.54 1.55 1.56	35.2 33.8 32.0	34.0 32.0 31.2	68.9	0.0	23.6	90.5	65.8	94.2	125.1	578.5	0.13	0.12	0.9723 0.9674 0.9674 0.9620 0.9614 0.9568 0.9577 0.9471 0.9585 0.9571 0.9585 0.9592 0.9812 0.9817 0.9895 0.9895 0.9824 0.9824 0.9818 0.9824 0.9813 0.9823 0.9829 0.9818 0.9824 0.9810 0.9828 0.9872 0.9896 0.9896 0.9852 0.9856 0.9839 0.9848 0.9889 0.9866 0.9854 0.9854 0.9899 0.9899
12:44:41	13127.21	13275.21	129.7	196.6	-30.3 -31.0	-8.4 -8.6	1.57 1.46 1.47	31.5 31.3 30.3	30.8 30.7 29.8	53.8	0.0	23.6	88.2	65.7	94.2	134.2	492.0	0.12	0.11	0.9723 0.9674 0.9674 0.9620 0.9614 0.9568 0.9577 0.9471 0.9585 0.9571 0.9585 0.9592 0.9812 0.9817 0.9895 0.9895 0.9824 0.9824 0.9818 0.9824 0.9813 0.9823 0.9829 0.9818 0.9824 0.9810 0.9828 0.9872 0.9896 0.9896 0.9852 0.9856 0.9839 0.9848 0.9889 0.9866 0.9854 0.9854 0.9899 0.9899
12:44:42	13077.15	13225.15	127.6	197.5	-31.4 -31.1	-8.7 -8.7	1.45 1.25 1.85	30.4 30.8 31.9	29.8 30.5 31.2	49.7	0.0	23.6	90.5	65.7	91.8	179.9	456.0	0.11	0.12	0.9723 0.9674 0.9674 0.9620 0.9614 0.9568 0.9577 0.9471 0.9585 0.9571 0.9585 0.9592 0.9812 0.9817 0.9895 0.9895 0.9824 0.9824 0.9818 0.9824 0.9813 0.9823 0.9829 0.9818 0.9824 0.9810 0.9828 0.9872 0.9896 0.9896 0.9852 0.9856 0.9839 0.9848 0.9889 0.9866 0.9854 0.9854 0.9899 0.9899
12:44:43	12967.02	13115.02	125.5	197.8	-29.9	-8.5	1.69	32.1	31.4	49.2	0.0	23.6	90.4	65.5	90.5	220.4	446.3	0.09	0.10	0.9723 0.9674 0.9674 0.9620 0.9614 0.9568 0.9577 0.9471 0.9585 0.9571 0.9585 0.9592 0.9812 0.9817 0.9895 0.9895 0.9824 0.9824 0.9818 0.9824 0.9813 0.9823 0.9829 0.9818 0.9824 0.9810 0.9828 0.9872 0.9896 0.9896 0.9852 0.9856 0.9839 0.9848 0.9889 0.9866 0.9854 0.9854 0.9899 0.9899

Plot No. 4, Engine Data , EMB120, N256AS, DCA-95-M-A-054
 August 21,1995, Revised: OCT 24, 1995,

LOCAL TIME	PRESSURE ALT. COMP. (FEET)	MSL ALTITUDE (FEET)	HEADING (DEG)	AIRSPD (KNOTS)	ROLL (DEG.)	PITCH (DEG.)	CONTROL COLM. POS. (DEG.)	CTRL WHEEL (CORR) (DEG.)	CTRL WHEEL PSN (DEG.)	TORQUE RIGHT (%)	TORQUE LEFT (%)	PROP RPM (LEFT) (%)	PROP RPM (RIGHT) (%)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	FUEL FLOW LEFT (PPH)	FUEL FLOW RIGHT (PPH)	PROP IMBALNCE ENG1 (G)	PROP IMBALNCE ENG2 (G)	VERTICAL ACCEL (G'S)	
																					1.0684
12:44:53	12246.14	12394.14	103.0	196.4	-21.5 -21.2	-5.7 -5.7 -5.6 -5.5	1.43 1.88 1.67 2.06	26.1 26.5 26.3 25.8	26.2 26.5 26.4 25.9	22.2	0.0	23.6	90.1	64.8	84.4	116.6	305.6	0.13	0.19	1.1823 1.2826 1.463 1.531 1.571 1.573 1.623 1.673 1.723 1.773 1.822 1.876 1.989	
12:44:54	12186.07	12334.07	101.6	195.4	-20.5 -19.9	-5.4 -5.1 -5.0 -4.8	1.99 1.87 1.71 1.80	25.7 25.0 24.9 27.1	25.9 25.2 25.2 27.0	21.6	0.0	23.6	90.4	64.8	84.3	125.1	306.8	0.12	0.20	1.981 1.981 1.926 1.871 1.826 1.776 1.726 1.669 1.626 1.597 1.563	
12:44:55	12075.93	12223.93	99.8	195.4	-19.1 -18.1	-4.7 -4.7 -4.5 -4.3	1.87 1.67 2.07 2.03	27.3 26.9 26.5 26.9	27.2 26.6 26.6 26.9	21.4	0.0	23.6	90.4	64.8	84.2	118.7	306.8	0.11	0.18	1.526 1.483 1.443 1.426 1.375 1.375 1.311 1.272	
12:44:56	12075.93	12223.93	98.1	194.2	-17.5 -16.5	-4.1 -3.8 -3.5 -3.4	2.07 2.02 1.87 1.63	28.2 27.7 27.2 27.1	28.0 27.5 27.1 27.0	21.2	0.0	23.6	89.9	64.8	84.2	111.1	305.6	0.13	0.21	1.581 1.533 1.480 1.434 1.387 1.341 1.294 1.247	
12:44:57	11995.84	12143.84	96.7	192.0	-15.6 -14.6	-3.4 -3.6 -3.5 -3.7	1.44 1.57 1.56 1.63	26.3 26.2 25.1 24.3	26.4 26.2 25.3 24.6	20.4	0.0	23.6	90.2	64.8	84.1	111.4	299.5	0.12	0.20	1.826 1.826 1.776 1.726 1.677 1.627 1.577 1.527	
12:44:58	11965.80	12113.80	96.3	191.3	-12.6 -11.4	-3.7 -3.5 -3.4 -3.3	1.81 1.42 1.55 1.78	23.5 23.5 23.7 23.0	23.9 23.9 24.1 23.5	20.4	0.0	23.6	90.2	64.7	84.0	111.1	301.5	0.11	0.16	1.480 1.431 1.381 1.331 1.281 1.231 1.181 1.131	
12:44:59	11905.73	12053.73	95.3	190.1	-11.1 -11.3	-3.3 -3.1 -3.7 -2.4	1.51 1.89 2.00 1.63	22.8 23.2 23.5 25.1	23.3 23.6 24.0 25.3	21.0	0.0	23.6	90.2	64.7	84.0	111.1	305.1	0.11	0.17	1.176 1.127 1.077 1.027 0.977 0.927 0.877 0.827	
12:45:00	11845.65	11993.65	94.2	189.1	-11.4 -11.0	-2.1 -1.9 -2.0 -2.2	1.91 1.99 1.41 1.70	25.6 25.0 25.6 25.0	25.7 26.1 26.6 25.2	20.3	0.0	23.6	90.1	64.7	84.0	111.1	308.0	0.09	0.16	1.077 1.027 0.977 0.927 0.877 0.827 0.777 0.727	
12:45:01	11845.65	11993.65	93.9	188.2	-9.5 -8.3	-2.3 -2.2 -2.2 -2.0	1.88 1.88 1.82 1.91	23.5 23.0 23.2 22.2	24.0 23.4 23.7 23.0	20.3	0.0	23.6	90.4	64.6	83.9	111.1	305.3	0.09	0.17	0.727 0.677 0.627 0.577 0.527 0.477 0.427 0.377 0.327 0.277 0.227	

Plot No. 4, Engine Data , EMB120, N256AS, DCA-95-M-A-054
 August 21,1995, Revised: OCT 24, 1995,

LOCAL TIME	PRESSURE ALT COMB (FEET)	MSL ALTITUDE (FEET)	HEADING (DEG)	AIRSPEED (KNOTS)	ROLL (DEG.)	PITCH (DEG.)	CONTROL COL.M. POS (DEG.)	CTRL WHEEL (COFF) (DEG.)	CTRL WHEEL PSN (DEG.)	TORQUE RIGHT (%)	TORQUE LEFT (%)	PROP RPM (LEFT) (%)	PROP RPM (RIGHT) (%)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	FUEL FLOW LEFT (PPH)	FUEL FLOW RIGHT (PPH)	PROP IMBALNCE ENGI (G)	PROP IMBALNCE ENGI2 (G)	VERTICAL ACCEL (G'S)
12:45:02	11815.62	11963.62	93.2	186.0	-8.0 -7.8	-1.8 -1.7 -1.6 -1.7	1.70 1.70 1.59 1.60	22.6 24.8 23.9 23.2	23.1 25.1 24.3 23.7	20.1	0.0	23.6	90.1	64.6	83.9	111.4	303.6	0.10	0.16	1.0226 1.0524 1.0779 1.0917 1.0824 1.0822 1.0432 1.0276 1.0570 1.0822 1.0226 0.9974 0.9974 0.9585 1.0272 1.0516 1.0867 1.1119 1.0773 1.3255 1.8299 1.0616 1.0432 1.0478 0.0666 0.9883 0.9677 0.9265 0.1891 0.8929 0.8814 0.9883 0.0181 0.0666 0.0666 0.2471 0.2425 0.9517 0.9929 0.9333 0.9585 0.0666 0.2471 0.1611 1.364 1.0276 1.0318 1.0570 1.0478 1.0432 0.9631 1.0020 1.0272 1.0570 1.0364 1.0478 1.0066 1.0364 1.0364 1.0616 1.0066 1.0730 1.0776 1.0730 1.0730 1.1508
12:45:03	11765.56	11913.56	93.2	184.5	-6.9 -6.2	-1.6 -1.9 -1.8 -1.4	1.46 2.09 2.23 2.21	22.5 20.7 20.5 20.7	23.1 21.3 21.3 21.6	19.9	0.0	23.6	90.2	64.6	83.9	111.1	305.3	0.10	0.18	
12:45:04	11705.48	11853.48	92.8	183.5	-6.7 -7.6	-0.9 -0.7 -0.9 -1.0	2.05 1.57 1.44 1.89	20.7 22.5 23.5 23.9	21.5 23.1 24.0 24.3	20.4	0.0	23.6	90.4	64.5	83.9	112.5	300.7	0.12	0.18	
12:45:05	11705.48	11853.48	92.1	182.3	-6.9 -5.5	-1.1 -1.2 -1.2 -1.1	2.00 1.54 1.70 2.02	24.5 22.3 20.6 20.3	24.8 22.9 21.4 21.2	19.5	0.0	23.6	90.1	64.6	83.8	116.0	298.9	0.13	0.18	
12:45:06	11675.45	11823.45	92.1	180.7	-5.4 -5.7	-1.0 -1.1 -1.1 -1.3	1.61 1.49 1.58 1.82	20.4 20.8 21.0 21.7	21.3 21.9 21.7 22.4	20.0	0.0	23.6	90.5	64.5	83.8	111.4	300.4	0.13	0.19	
12:45:07	11645.41	11793.41	91.8	180.2	-5.4 -4.8	-1.4 -1.3 -1.1 -1.0	1.81 1.92 2.19 1.83	21.8 20.7 20.6 20.2	22.5 21.5 21.7 21.1	19.7	0.0	23.6	89.9	64.4	83.8	112.2	303.3	0.12	0.18	
12:45:08	11615.37	11763.37	91.4	178.0	-5.0 -6.0	-0.7 -0.6 -0.5 -0.5	2.07 2.03 1.92 2.01	20.0 19.7 17.3 17.8	20.9 20.6 18.6 19.0	19.6	0.0	23.6	90.1	64.4	83.8	108.1	304.2	0.09	0.21	
12:45:09	11565.31	11713.31	91.1	176.5	-7.1 -7.8	-0.4 -0.5 -0.4 -0.4	2.03 1.89 2.04 1.88	19.1 19.2 19.1 17.8	20.1 20.2 20.1 19.0	19.7	0.0	23.6	89.9	64.4	83.8	111.9	303.9	0.12	0.21	
12:45:10	11565.31	11713.31	90.0	176.5	-7.4 -7.0	-0.4 -0.3 -0.1 0.1	1.89 1.61 2.02 2.28	17.8 17.4 14.7 17.1	19.0 18.7 16.4 18.4	19.9	0.0	23.6	90.4	64.3	83.8	111.1	304.5	0.13	0.17	
12:45:11	11535.27	11683.27	89.3	174.3	-6.8 -6.6	0.4 0.7	2.12 2.35	16.2 15.7	17.6 17.2	19.5	0.0	23.6	90.1	64.3	83.8	111.4	299.5	0.10	0.21	

Plot No. 4, Engine Data , EMB120, N256AS, DCA-95-M-A-054
 August 21, 1995, Revised: OCT 24, 1995,

LOCAL TIME	PRESSURE ALT COMB (FEET)	MSL ALTITUDE (FEET)	HEADING (DEG)	AIRSPEED (KNOTS)	ROLL (DEG.)	PITCH (DEG.)	CONTROL COLM. POS. (DEG.)	CTRL WHEEL (DEG.)	CTRL WHEEL (DEG.)	TORQUE RIGHT (%)	TORQUE LEFT (%)	PROP RPM (LEFT) (%)	PROP RPM (RIGHT) (%)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	FUEL FLOW LEFT (PPH)	FUEL FLOW RIGHT (PPH)	PROP BALNCE ENGI (G)	PROP BALNCE ENGI2 (G)	VERTICAL ACCEL (G'S)
12:46:08	10073.49	10221.49	53.1	159.0	-4.0 -4.3	0.7 0.9 1.1 1.4	1.84 2.07 1.86 1.71	26.7 27.5 27.4 27.8	26.7 27.3 27.3 27.7	81.1	0.0	23.6	90.2	62.5	95.9	179.6	679.3	0.10	0.10	1.0158 1.0088 1.0089 1.0043 0.9997 0.9952 1.0023 1.0203 1.0341 1.0455 1.0707 1.0753
12:46:09	10073.49	10221.49	51.7	158.7	-4.7 -5.4	1.6 1.6 1.4 1.3	1.63 1.59 1.57 1.58	28.2 28.2 27.9 28.1	28.0 28.0 27.7 27.9	81.4	0.0	23.6	89.9	62.5	95.9	197.8	678.1	0.09	0.10	1.0844 1.0753 1.0638 1.0547 1.0341 1.0089 0.9997 0.9837 0.9746 0.9654 0.9746 0.9837 0.9952 1.0088 1.0203 1.0341 1.0501 1.0707 1.0753
12:46:10	10023.43	10171.43	50.6	158.7	-5.9 -6.2	1.2 1.1 1.1 1.3	1.70 1.62 1.88 1.81	28.4 28.4 28.5 28.6	28.2 28.2 28.3 28.4	82.5	0.0	23.6	90.5	62.4	95.8	180.2	681.3	0.08	0.10	1.0897 1.0837 0.9746 0.9654 0.9746 0.9837 0.9952 1.0088 1.0203 1.0341 1.0501 1.0707 1.0753
12:46:11	10023.43	10171.43	49.9	157.7	-6.2 -6.6	1.6 1.6 1.8 1.8	1.79 1.68 1.81 1.81	28.5 28.5 32.0 31.3	28.3 28.3 31.3 31.3	90.7	0.0	23.6	91.3	62.4	95.9	179.3	726.7	0.08	0.10	1.0897 1.0837 1.0746 1.0654 1.0746 1.0837 1.0952 1.0088 1.0203 1.0341 1.0501 1.0707 1.0753
12:46:12	10023.43	10171.43	48.5	157.4	-6.9 -6.9	1.8 2.0 1.9 1.9	1.75 1.65 1.88 1.83	32.0 32.0 30.2 29.7	31.3 31.3 29.7 29.7	91.3	0.0	23.6	90.4	62.4	96.9	186.1	751.6	0.09	0.11	1.0897 1.0837 1.0746 1.0654 1.0746 1.0837 1.0952 1.0088 1.0203 1.0341 1.0501 1.0707 1.0753
12:46:13	9963.36	10111.36	46.8	157.7	-7.4 -6.4	1.8 1.8 1.8 1.8	1.64 1.68 1.68 1.65	30.4 30.4 30.3 30.2	29.8 29.8 29.7 29.7	91.3	0.0	23.6	89.9	62.4	97.6	192.8	753.1	0.10	0.10	1.0897 1.0837 1.0746 1.0654 1.0746 1.0837 1.0952 1.0088 1.0203 1.0341 1.0501 1.0707 1.0753
12:46:14	9963.36	10111.36	45.7	156.2	-8.6 -9.5	1.8 1.8 1.8 1.8	1.68 1.45 1.31 1.31	30.8 30.8 32.3 31.5	30.7 30.7 32.0 31.5	91.9	0.0	23.6	89.9	62.4	97.6	198.1	755.2	0.11	0.10	1.0897 1.0837 1.0746 1.0654 1.0746 1.0837 1.0952 1.0088 1.0203 1.0341 1.0501 1.0707 1.0753
12:46:15	9993.40	10141.40	45.0	155.5	-9.1 -8.2	1.4 1.1 1.1 1.3	1.25 1.87 1.86 1.67	32.1 32.6 32.6 31.2	31.4 31.8 31.4 30.6	91.8	0.0	23.6	90.1	62.4	97.6	206.6	750.5	0.12	0.12	1.0897 1.0837 1.0746 1.0654 1.0746 1.0837 1.0952 1.0088 1.0203 1.0341 1.0501 1.0707 1.0753
12:46:16	9933.32	10081.32	43.6	155.3	-7.6 -7.7	1.4 1.5 1.5 1.5	1.64 1.68 1.63 1.58	31.2 31.1 31.0 30.9	30.6 30.5 30.4 30.3	91.9	0.0	23.6	90.4	62.3	97.6	199.6	754.3	0.10	0.12	1.0897 1.0837 1.0746 1.0654 1.0746 1.0837 1.0952 1.0088 1.0203 1.0341 1.0501 1.0707 1.0753

Plot No. 4, Engine Data, EMB120, N256AS, DCA-95-M-A-054
 August 21, 1995, Revised: OCT 24, 1995.

LOCAL TIME	PRESSURE ALT CORR (FEET)	MSL ALTITUDE (FEET)	HEADING (DEG)	AIRSPEED (KNOTS)	ROLL (DEG.)	PITCH (DEG.)	CONTROL COLM. POS (DEG.)	CTRL WHEEL (DEG.)	CTRL WHEEL (DEG.)	TORQUE RIGHT (%)	TORQUE LEFT (%)	PROP RPM (LEFT) (%)	PROP RPM (RIGHT) (%)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	FUEL FLOW LEFT (PPH)	FUEL FLOW RIGHT (PPH)	PROP IMBALNCE ENG1 (G)	PROP IMBALNCE ENG2 (G)	VERTICAL ACCEL (G'S)
12:46:45	8982.16	9130.16	347.3	169.8	-21.3 -21.5	-3.5 -3.3	1.85 1.75	28.7 28.4	28.4 28.1	93.9	0.0	23.6	90.5	61.4	97.5	216.0	767.2	0.11	0.10	1.371 1.417 1.523 1.714 1.760 1.760 1.760 1.760 1.760
12:46:46	8932.10	9080.10	344.2	170.1	-22.2 -22.5	-3.3 -3.2	1.82 1.86	28.6 30.2	28.3 29.7	94.2	0.0	23.6	90.2	61.3	97.5	215.7	764.8	0.11	0.10	1.669 1.760 1.760 1.760 1.760
12:46:47	8932.10	9080.10	341.4	169.5	-22.5 -22.6	-2.8 -3.0	1.46 1.24	29.6 29.4	29.2 29.8	93.8	0.0	23.6	90.2	61.3	97.5	215.7	767.5	0.10	0.11	1.875 1.760 1.682 1.874 1.874 1.874 1.874
12:46:48	8872.03	9020.03	338.9	169.8	-22.4 -22.1	-3.3 -3.0	1.69 1.57	30.4 28.6	29.8 28.4	94.3	0.0	23.6	90.4	61.3	97.5	217.7	767.8	0.11	0.10	1.874 0.890 0.786 0.680 0.680 0.680 0.680
12:46:49	8781.92	8929.92	336.4	171.3	-21.8 -22.0	-2.9 -3.0	1.54 1.37	28.3 27.8	28.1 27.2	94.1	0.0	23.6	90.5	61.2	97.5	218.0	769.8	0.11	0.10	1.086 1.086 1.086 1.086 1.086 1.086 1.086
12:46:50	8781.92	8929.92	334.0	170.3	-22.7 -23.1	-2.9 -3.0	1.58 1.48	27.4 27.7	27.3 27.6	94.5	0.0	23.6	90.4	61.1	97.5	218.0	771.0	0.09	0.11	0.880 0.880 0.880 0.880 0.880 0.880 0.880
12:46:51	8751.88	8899.88	332.2	170.3	-23.3 -22.6	-2.9 -2.7	1.69 1.46	30.7 28.9	30.2 28.6	94.6	0.0	23.6	90.4	61.0	97.5	216.0	763.4	0.09	0.11	0.880 0.880 0.880 0.880 0.880 0.880 0.880
12:46:52	8701.82	8849.82	328.7	172.0	-22.1 -22.0	-2.8 -3.1	1.32 1.83	28.8 28.0	28.5 28.7	93.9	0.0	23.6	90.4	61.0	97.5	216.3	765.4	0.10	0.10	1.282 1.282 1.282 1.282 1.282 1.282 1.282
12:46:53	8641.75	8789.75	325.9	171.6	-21.8 -21.9	-2.7 -2.5	1.79 1.71	28.7 28.5	28.4 28.3	94.5	0.0	23.6	90.4	61.0	97.5	211.9	766.6	0.11	0.13	0.059 0.059 0.059 0.059 0.059 0.059 0.059
12:46:54	8641.75	8789.75	323.4	171.0	-22.4 -23.2	-1.8 -1.8	1.68 1.65	27.4 28.7	27.3 28.4	94.2	0.0	23.6	90.2	60.9	97.4	208.9	764.5	0.09	0.11	1.852 1.852 1.852 1.852 1.852 1.852 1.692

Plot No. 4, Engine Data , EMB120, N256AS, DCA-95-M-A-054
 August 21,1995, Revised: OCT 24, 1995,

LOCAL TIME	PRESSURE ALT COMB (FEET)	MSL ALTITUDE (FEET)	HEADING (DEG)	AIRSPEED (KNOTS)	ROLL (DEG.)	PITCH (DEG.)	CONTROL CULM. POS (DEG.)	CTRL WHEEL (DEG.)	CTRL WHEEL PSN (DEG.)	TORQUE RIGHT (%)	TORQUE LEFT (%)	PROP RPM (LEFT) (%)	PROP RPM (RIGHT) (%)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	FUEL FLOW LEFT (PPH)	FUEL FLOW RIGHT (PPH)	PROP IMBALNCE ENG1 (G)	PROP IMBALNCE ENG2 (G)	VERTICAL ACCEL (G'S)
							-1.8	1.70	30.4											1.646
12:46:55	8581.68	8729.68	320.6	171.6	-23.4 -22.9	-1.7 -1.6 -1.6	1.70 1.55 1.61 1.63	30.8 31.0 29.8 29.8	30.3 30.4 29.3 29.3	94.0	0.0	23.6	90.1	60.9	97.4	207.2	765.1	0.10	0.11	1.640
12:46:56	8561.65	8709.65	317.5	171.3	-22.7 -22.8	-1.6 -1.5 -1.4	1.68 1.59 1.54	29.4 29.3 28.7	29.0 28.8 28.4	94.0	0.0	23.6	90.4	60.8	97.3	206.6	765.1	0.11	0.11	1.638
12:46:57	8501.58	8649.58	315.0	172.0	-22.9 -22.4	-1.3 -1.3 -1.6	0.95 1.48 1.38	29.6 29.5 29.2	29.2 29.1 28.9	93.7	0.0	23.6	90.2	60.8	97.3	205.7	762.2	0.13	0.10	1.636
12:46:58	8501.58	8649.58	312.9	171.6	-21.7 -21.2	-1.8 -1.7 -1.6	1.43 1.43 1.30	29.0 28.9 28.6	28.6 28.6 28.5	93.7	0.0	23.6	90.1	60.8	97.3	206.3	761.9	0.12	0.11	1.634
12:46:59	8471.54	8619.54	310.8	172.0	-20.3 -18.4	-1.8 -1.8 -1.8	1.43 1.31 1.36	32.7 34.7 34.2	31.9 31.9 33.2	93.4	0.0	23.6	89.9	60.7	97.2	206.0	763.7	0.12	0.11	1.632
12:47:00	8441.50	8589.50	308.0	172.5	-15.7 -13.7	-1.8 -1.7 -1.8	1.31 1.19 1.19	33.1 33.1 31.1	32.2 31.4 30.5	93.7	0.0	23.6	90.2	60.6	97.2	206.0	761.9	0.11	0.11	1.630
12:47:01	8381.43	8529.43	306.6	172.5	-12.1 -10.4	-1.9 -1.8 -1.8	1.17 1.30 1.31	31.2 32.0 31.5 30.2	30.6 31.3 30.8 29.7	93.8	0.0	23.6	90.4	60.6	97.2	206.9	764.5	0.12	0.12	1.628
12:47:02	8331.37	8479.37	305.9	172.5	-8.5 -7.1	-1.6 -1.4 -1.3 -1.1	1.32 1.30 1.30 1.29	29.5 29.0 28.7 28.3	29.1 28.6 28.4 28.0	94.1	0.0	23.6	90.6	60.5	97.2	206.3	766.6	0.12	0.13	1.626
12:47:03	8331.37	8479.37	304.8	173.2	-6.3 -6.1	-1.1 -1.2 -1.3	1.17 1.24 1.24	27.8 27.2 27.7 29.9	27.6 27.7 27.6 29.5	94.1	0.0	23.6	90.1	60.5	97.3	206.6	765.7	0.11	0.12	1.624

Plot No. 4, Engine Data , EMB120, N256AS, DCA-95-M-A-054
 August 21,1995, Revised: OCT 24, 1995,

LOCAL TIME	PRESSURE ALT COMB (FEET)	MSL ALTITUDE (FEET)	HEADING (DEG)	AIRSPED (KNOTS)	ROLL (DEG.)	PITCH (DEG.)	CONTROL POS (DEG.)	CTRL WHEEL (DEG.)	CTRL WHEEL (DEG.)	TORQUE RIGHT (%)	TORQUE LEFT (%)	PROP RPM (LEFT) (%)	PROP RPM (RIGHT) (%)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	FUEL FLOW LEFT (PPH)	FUEL FLOW RIGHT (PPH)	PROP UNBALNCE ENG1 (G)	PROP UNBALNCE ENG2 (G)	VERTICAL ACCEL (G'S)
12:47:04	8301.33	8449.33	303.7	173.4	-5.4 -4.3	-1.3 -1.3 -1.2	1.20 1.18 1.18	29.5 28.8 28.6	29.1 28.7 28.4	93.8	0.0	23.6	90.2	60.5	97.2	206.3	763.1	0.11	0.11	1.0158 1.0089 0.9997 0.9997 1.0158 1.0043
12:47:05	8211.22	8359.22	303.0	174.3	-3.2 -2.2	-1.1 -1.1 -1.1	1.19 1.18 1.18	28.5 28.6 27.0	28.3 28.3 27.0	93.7	0.0	23.6	90.1	60.4	97.2	210.7	761.6	0.11	0.12	1.0158 1.0211 1.0089 1.0089 1.0089 1.0089 1.0043
12:47:06	8241.26	8389.26	302.7	174.3	-1.1 0.2	-1.1 -1.0 -0.9	1.19 1.24 1.30	27.2 32.4 32.0 31.1	27.1 31.4 32.0 30.5	93.4	0.0	23.6	90.2	60.4	97.1	209.5	762.5	0.10	0.13	1.0158 1.0043 1.0158 1.0089 1.0089 1.0089 1.0043
12:47:07	8211.22	8359.22	302.3	174.3	3.3 3.9	-0.6 -0.3 0.0	1.31 1.33 1.29	30.3 30.0 29.2	29.8 29.0 28.9	93.8	0.0	23.6	90.4	60.3	97.1	206.6	764.8	0.09	0.12	1.0043 1.0043 1.0043 1.0043 1.0043 1.0043 1.0043
12:47:08	8161.16	8309.16	302.0	174.0	4.5 4.9	0.2 0.4 0.4	1.29 1.26 1.20 1.21	29.1 29.0 28.8	28.7 28.6 28.5	93.6	0.0	23.6	90.4	60.3	97.1	206.6	772.7	0.10	0.11	1.0158 1.0043 1.0043 1.0043 1.0043 1.0043 1.0043
12:47:09	8131.13	8279.13	302.3	174.3	5.4 6.3	0.4 0.4 0.4	1.30 1.28 1.23 1.10	28.7 30.5 30.1 30.8	28.4 29.9 30.2	93.7	0.0	23.6	90.1	60.3	97.1	206.6	768.9	0.11	0.12	1.0043 1.0043 1.0043 1.0043 1.0043 1.0043 1.0043
12:47:10	8161.16	8309.16	303.0	173.1	8.1 9.9	0.4 0.4 0.6	0.98 0.98 0.91 1.02	30.6 30.1 29.4 27.3	30.1 29.7 29.0 27.2	93.6	0.0	23.6	90.1	60.2	97.1	211.0	773.9	0.10	0.11	1.0158 1.0272 1.0181 0.9929 0.9929 0.9768 0.9425 0.9517 0.9333 0.9379 0.9219 0.9585 0.9471
12:47:11	8091.08	8239.08	303.4	173.4	11.5 12.7	0.0 0.1 0.4 0.4	1.24 1.42 1.20 1.19	27.4 28.9 29.3 29.1	27.3 28.6 29.0 28.8	93.0	0.0	23.6	90.2	60.2	97.1	211.3	764.0	0.11	0.10	1.0020 0.9974 1.0272 1.0226 1.0318 1.0478 1.0432 1.0478 1.0318 1.0272 1.0181
12:47:12	8061.04	8209.04	304.1	173.1	14.1 14.9	0.5 0.6 0.7	1.25 1.18 1.24 1.25	29.0 28.6 28.2 28.2	28.6 28.3 28.0	92.7	0.0	23.6	90.1	60.1	97.0	206.3	762.2	0.12	0.12	1.0272 1.0226 1.0318 1.0478 1.0432 1.0478 1.0318 1.0272 1.0181
12:47:13	8061.04	8209.04	305.2	172.1	15.2	0.7	1.24	28.3	28.1	92.6	0.0	23.6	90.2	60.1	96.9	206.3	761.0	0.14	0.12	1.0272

Plot No. 4, Engine Data , EMB120, N256AS, DCA-95-M-A-054
 August 21,1995, Revised: OCT 24, 1995.

LOCAL TIME	PRESSURE ALT. COMB (FEET)	MSL ALTITUDE (FEET)	HEADING (DEG)	AIRSPEED (KNOTS)	ROLL (DEG.)	PITCH (DEG.)	CONTROL COL. M. POS. (DEG.)	CTRL WHEEL (DEG.)	CTRL WHEEL PSN (DEG.)	TORQUE RIGHT (%)	TORQUE LEFT (%)	PROP RPM (LEFT) (%)	PROP RPM (RIGHT) (%)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	FUEL FLOW LEFT (PPH)	FUEL FLOW RIGHT (PPH)	PROP IMBALANCE ENG1 (G)	PROP IMBALANCE ENG2 (G)	VERTICAL ACCEL (G'S)
12:47:32	7560.43	7708.43	327.0	166.6	15.7 15.9	0.4 0.2 0.2 0.1	1.15 1.14 1.21 1.22	28.5 28.5 28.1 27.7	28.2 28.3 27.8 27.6	91.7	0.0	23.6	90.4	59.6	96.8	197.2	759.9	0.10	0.11	0.9929 0.9874 0.9829 0.9829 0.9883 0.9814 0.9853 0.9798 0.9793 0.9831 0.9883 0.9874 0.9883 0.9833 0.9899 0.9814 0.9820 0.9829 0.9814 0.9855
12:47:33	7590.47	7738.47	328.0	166.6	15.9 15.6	0.1 0.2 0.1 0.3	1.29 1.29 1.28 1.21	26.5 26.3 26.4 26.3	26.5 26.4 26.5 26.4	91.4	0.0	23.6	90.4	59.6	96.8	197.5	766.9	0.10	0.11	0.9883 0.9874 0.9883 0.9833 0.9899 0.9814 0.9820 0.9829 0.9814 0.9855
12:47:34	7510.37	7658.37	329.1	166.6	15.0 14.3	0.3 0.3 0.3 0.3	1.30 1.28 1.28 0.29	26.1 26.1 26.3 26.0	26.2 26.2 26.5 26.1	91.7	0.0	23.6	90.2	59.6	96.8	197.8	758.1	0.10	0.14	0.9855 0.9866 0.9874 0.9820 0.9829 0.9814 0.9855
12:47:35	7510.37	7658.37	330.1	166.3	13.4 13.2	0.2 0.2 0.3 0.4	1.42 1.37 1.32 1.29	27.4 27.6 27.6 27.5	27.3 27.5 27.5 27.3	91.8	0.0	23.6	90.2	59.6	96.8	194.0	751.9	0.11	0.14	0.9874 0.9866 0.9820 0.9874 0.9820 0.9829 0.9814 0.9855
12:47:36	7480.33	7628.33	330.8	166.5	12.9 12.7	0.4 0.4 0.4 0.4	1.28 1.29 1.22 1.21	27.5 27.3 27.3 27.2	27.3 27.3 27.2 27.1	91.9	0.0	23.6	90.2	59.6	96.8	192.8	758.1	0.10	0.14	0.9874 0.9866 0.9820 0.9874 0.9820 0.9829 0.9814 0.9855
12:47:37	7510.37	7658.37	331.5	165.6	12.5 12.0	0.4 0.4 0.3 0.1	1.15 1.10 1.13 1.12	27.2 27.2 27.4 27.2	27.1 27.1 27.3 27.1	92.6	0.0	23.6	90.1	59.9	96.8	193.4	770.4	0.09	0.12	0.9866 0.9866 0.9820 0.9874 0.9820 0.9829 0.9814 0.9855
12:47:38	7420.26	7568.26	332.2	164.9	11.6 11.6	-0.1 -0.1 -0.3 -0.3	1.17 1.08 1.15 1.29	27.3 27.0 26.6 26.3	27.2 27.0 26.6 26.3	92.7	0.0	23.6	90.5	60.3	96.8	192.8	768.9	0.09	0.12	0.9874 0.9866 0.9820 0.9874 0.9820 0.9829 0.9814 0.9855
12:47:39	7420.26	7568.26	332.9	164.6	11.4 10.9	-0.3 -0.1 -0.1 0.0	1.25 1.29 1.29 1.21	26.3 26.3 26.5 26.5	26.4 26.4 26.5 26.5	93.2	0.0	23.6	90.5	60.5	96.8	192.8	772.5	0.09	0.13	0.9874 0.9866 0.9820 0.9874 0.9820 0.9829 0.9814 0.9855
12:47:40	7420.26	7568.26	333.6	164.9	10.1 9.5	-0.1 -0.1 -0.1 -0.1	1.16 1.24 1.02 1.15	26.7 26.6 26.4 26.3	26.7 26.4 26.3 26.2	92.9	0.0	23.6	90.2	60.7	96.8	192.8	770.4	0.09	0.13	0.9866 0.9866 0.9820 0.9874 0.9820 0.9829 0.9814 0.9855
12:47:41	7390.22	7538.22	333.6	164.6	9.1 9.1	-0.2 -0.2	1.24 1.20	28.2 27.4	28.0 27.3	93.2	0.0	23.6	90.4	60.8	96.8	192.8	769.2	0.10	0.14	0.9874 0.9866 0.9820 0.9874 0.9820 0.9829 0.9814 0.9855

LOCAL TIME	PRESSURE ALT (FEET)	MSL ALTITUDE (FEET)	HEADING (DEG)	AIRSPED (KNOTS)	ROLL (DEG.)	PITCH (DEG.)	CONTROL CDM. POS (DEG.)	CTRL WHEEL (DEG.)	CTRL WHEEL PSN (DEG.)	TORQUE RIGHT (%)	TORQUE LEFT (%)	PROP RPM (LEFT) (%)	PROP RPM (RIGHT) (%)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	FUEL FLOW LEFT (PPH)	FUEL FLOW RIGHT (PPH)	PROP IMBALNCE ENGI (G)	PROP IMBALNCE ENGI2 (G)	VERTICAL ACCEL (G'S)
						-1.1	1.18	31.2	30.5											0.9494
12:48:10	6729.42	6877.42	323.8	162.2	7.3 8.3	-1.1 -1.0 -1.0 -0.9	1.40 1.32 1.44 1.64	31.1 30.6 30.1 29.8	30.5 30.1 29.4 29.4	90.3	0.0	23.6	90.1	60.5	96.6	188.1	753.1	0.09	0.12	0.8484 0.8539 0.8608 0.8684 0.8746 0.8780 0.8736 0.8728 0.8700 0.8688 0.8624
12:48:11	6669.35	6817.35	324.5	162.5	9.0 8.9	-0.6 -0.4 -0.2 -0.1	1.64 1.54 1.55 1.57	28.7 28.5 28.3 28.4	28.4 28.3 28.1 28.1	90.2	0.0	23.6	90.2	60.4	96.6	184.0	751.9	0.10	0.11	0.8652 0.8629 0.8595 0.8519 0.8481 0.8433 0.8388 0.8338 0.8282 0.8227
12:48:12	6699.38	6847.38	324.8	162.5	8.5 7.8	0.1 0.3 0.2 0.4	1.57 1.55 1.55 1.63	28.4 28.3 28.8 32.1	28.2 28.1 28.6 31.4	90.6	0.0	23.6	90.1	60.4	96.6	183.4	757.2	0.10	0.10	0.8299 0.8258 0.8215 0.8171 0.8124 0.8073 0.8017 0.7966 0.7911 0.7857
12:48:13	6669.35	6817.35	325.2	161.9	7.6 8.2	0.4 0.4 0.4 0.4	1.35 1.44 1.57 1.45	32.0 32.7 33.3 33.2	31.3 31.9 32.4 32.3	90.3	0.0	23.6	90.4	60.4	96.6	170.8	758.1	0.09	0.11	0.7877 0.7824 0.7768 0.7709 0.7647 0.7582 0.7516 0.7450 0.7383 0.7316
12:48:14	6609.27	6757.27	325.5	161.3	9.6 11.2	0.5 0.6 0.7 0.7	1.50 1.57 1.56 1.57	33.1 33.3 33.0 32.8	32.2 32.4 32.1 32.0	90.1	0.0	23.6	90.1	60.4	96.6	139.5	759.0	0.10	0.10	0.7364 0.7318 0.7272 0.7222 0.7172 0.7119 0.7066 0.7013 0.6959 0.6906
12:48:15	6589.25	6737.25	325.9	161.3	12.5 13.4	0.9 1.0 1.1 1.1	1.56 1.49 1.52 1.45	33.1 32.7 32.6 32.1	32.2 31.9 31.8 31.4	90.1	0.0	23.6	90.2	60.4	96.5	120.4	755.8	0.10	0.10	0.6955 0.6902 0.6849 0.6796 0.6742 0.6689 0.6636 0.6583 0.6530 0.6477
12:48:16	6589.25	6737.25	327.3	161.6	14.0 14.7	1.0 0.9 0.7 0.4	1.37 1.33 1.24 1.44	31.7 30.8 30.6 30.4	31.0 30.3 30.1 29.9	89.2	0.0	23.6	89.9	60.3	96.5	104.9	761.0	0.10	0.10	0.6477 0.6424 0.6370 0.6317 0.6264 0.6210 0.6157 0.6104 0.6050 0.5997
12:48:17	6559.21	6707.21	328.4	161.3	15.3 16.0	0.4 0.4 0.4 0.7	1.57 1.70 1.57 1.58	30.1 30.1 29.0 28.6	29.7 28.7 28.7 28.3	89.2	0.0	23.6	89.9	60.3	96.4	86.2	754.0	0.09	0.10	0.5997 0.5944 0.5890 0.5837 0.5784 0.5730 0.5677 0.5624 0.5570 0.5517
12:48:18	6529.17	6677.17	329.8	161.3	16.1 15.8	0.9 1.0 1.0 1.1	1.57 1.50 1.42 1.46	28.7 28.4 28.7 28.7	28.4 28.2 28.4 28.4	89.2	0.0	23.6	90.2	60.3	96.4	70.0	754.0	0.10	0.12	0.5517 0.5464 0.5410 0.5357 0.5304 0.5250 0.5197 0.5144 0.5090 0.5037

Plot No. 4, Engine Data , EMB120, N256AS, DCA-95-M-A-054
 August 21,1995, Revised: OCT 24, 1995,

LOCAL TIME	PRESSURE ALT COMB (FEET)	MSL ALTITUDE (FEET)	HEADING (DEG)	AIRSPEED (KNOTS)	ROLL (DEG.)	PITCH (DEG.)	CONTROL COLM. POS (DEG.)	CTRL WHEEL (DEG.)	CTRL WHEEL DSM (DEG.)	TORQUE RIGHT (%)	TORQUE LEFT (%)	PROP RPM (LEFT) (%)	PROP RPM (RIGHT) (%)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	FUEL FLOW LEFT (PPH)	FUEL FLOW RIGHT (PPH)	PROP IMBALNCE ENGL (G)	PROP IMBALNCE ENGR2 (G)	VERTICAL ACCEL (G'S)
12:48:19	6499.14	6647.14	330.5	161.8	15.6 14.9	1.0 1.0	1.44 1.43	28.7 28.7	28.4 28.4	89.2	0.0	23.6	90.1	60.3	96.4	52.7	756.0	0.10	0.12	0.272
12:48:20	6499.14	6647.14	331.5	160.4	14.4 14.1	0.8 0.8	1.58 1.57	28.8 28.9	28.5 28.3	89.3	0.0	23.6	90.1	60.2	96.3	43.7	757.2	0.10	0.11	0.272
12:48:21	6449.08	6597.08	332.6	160.1	13.9 13.9	1.1 1.1	1.45 1.44	29.4 30.0	29.0 29.5	89.7	0.0	23.6	89.9	60.3	96.4	43.4	752.8	0.10	0.11	0.272
12:48:22	6449.08	6597.08	333.6	159.6	13.9 14.1	0.8 0.7	1.44 1.43	30.1 29.9	29.7 29.9	89.9	0.0	23.6	90.4	60.2	96.4	43.4	762.5	0.09	0.10	0.272
12:48:23	6419.04	6567.04	334.0	159.2	13.7 13.7	0.7 0.6	1.46 1.45	28.9 29.2	28.6 28.0	89.7	0.0	23.6	90.2	60.2	96.5	43.7	759.9	0.08	0.10	0.272
12:48:24	6419.04	6567.04	335.4	160.4	13.2 12.8	0.7 0.6	1.07 1.06	28.3 29.2	28.1 28.9	90.0	0.0	23.6	90.1	60.2	96.4	43.7	757.8	0.09	0.10	0.272
12:48:25	6389.00	6537.00	336.1	159.6	12.7 13.5	0.6 0.6	1.44 1.43	30.6 30.0	30.0 34.6	89.7	0.0	23.6	90.4	60.2	96.4	43.1	755.8	0.10	0.12	0.272
12:48:26	6389.00	6537.00	337.1	159.8	15.6 17.4	0.6 0.3	1.38 1.31	35.9 34.8	34.6 33.7	89.5	0.0	23.6	89.9	60.2	96.4	43.7	756.9	0.09	0.11	0.272
12:48:27	6338.94	6486.94	338.2	160.1	19.1 20.5	0.1 0.2	1.32 1.30	34.5 32.0	33.4 32.0	89.3	0.0	23.6	90.2	60.1	96.4	44.0	747.5	0.10	0.11	0.272
12:48:28	6308.91	6456.91	340.3	159.6	21.8	-0.3	1.56	32.6	31.7	89.5	0.0	23.6	90.1	60.1	96.4	44.2	749.9	0.10	0.13	0.272

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LOCAL TIME	PRESSURE ALT (FEET)	MSL ALTITUDE (FEET)	HEADING (DEG)	AIRSPED (KNOTS)	ROLL (DEG.)	PITCH (DEG.)	CONTROL COL. POS. (DEG.)	CTRL WHEEL (DEG.)	CTRL WHEEL PSI (DEG.)	TORQUE RIGHT (%)	TORQUE LEFT (%)	PROP RPM (LEFT) (%)	PROP RPM (RIGHT) (%)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	FUEL FLOW LEFT (PPH)	FUEL FLOW RIGHT (PPH)	PROP UNBALNCE ENG1 (G)	PROP UNBALNCE ENG2 (G)	VERTICAL ACCEL (G'S)
12:48:38	5988.52	6136.52	0.4	166.0	30.5 29.1	-2.3 -2.1 -1.8 -1.6	1.61 1.85 1.68 1.63	29.2 30.4 32.0 32.4	28.9 29.9 31.3 31.6	89.4	0.0	23.6	90.4	59.9	96.3	43.7	760.1	0.10	0.12	0.8441 0.8402 0.8409 0.8454 0.8887 0.8825 0.8654 0.8807 0.9227 0.8524 0.8247
12:48:39	5958.48	6106.48	2.8	162.3	26.4 25.8	-1.4 -1.8 -2.0 -2.3	1.58 1.45 1.73 1.88	32.3 31.0 30.7 30.6	31.5 30.4 30.2 30.1	89.1	0.0	23.6	89.9	59.8	96.3	44.0	753.1	0.09	0.13	0.2104 0.1737 0.1425 0.1425 0.1096 0.1583 0.1480 0.0890
12:48:40	5928.44	6076.44	6.0	163.4	25.0 24.3	-2.4 -2.4 -2.5	1.92 1.82 1.70	30.9 31.1 30.5 30.2	30.3 30.5 29.7	88.6	0.0	23.6	90.1	59.9	96.2	43.7	751.9	0.09	0.11	0.1257 0.1302 0.1737 0.2145 0.1440 0.1051 0.1427
12:48:41	5898.41	6046.41	8.8	167.7	23.6 24.8	-2.6 -2.9 -2.7	1.83 1.88 1.78	30.9 28.9 28.3	30.3 28.6 28.1	89.0	0.0	23.6	90.4	59.9	96.1	43.4	749.3	0.09	0.11	0.0707 0.0799 0.0409 0.0089 0.9997 0.9608 0.9402 0.9356 0.9700
12:48:42	5848.35	5996.35	12.7	164.3	26.7 27.2	-2.5 -2.4 -2.0	1.70 1.68 1.45	28.4 27.7 27.7	28.1 27.6 27.5	89.4	0.0	23.6	90.1	59.9	96.1	43.4	752.2	0.09	0.11	0.5791 0.6249 0.6249 0.5427 0.4255 0.0789 0.0569
12:48:43	5848.35	5996.35	15.8	162.1	27.2 26.6	-1.8 -1.8 -1.5	1.64 1.68 1.68	27.8 27.7 27.6	27.6 27.8 27.4	88.7	0.0	23.6	90.1	59.7	96.1	44.0	751.6	0.10	0.10	0.7959 1.005 0.707 0.601 0.5993 0.7788 0.8883
12:48:44	5788.27	5936.27	17.6	165.3	25.3 24.5	-1.2 -1.2 -1.3 -1.5	1.70 1.68 1.57 1.42	27.5 27.3 27.9 30.1	27.3 28.8 29.7	88.0	0.0	23.6	90.5	59.7	96.1	43.7	753.1	0.10	0.10	1.1508 1.292 1.637 1.606 1.824 1.852 2.258 1.510 1.331
12:48:45	5728.20	5876.20	19.0	167.7	23.7 23.7	-1.8 -2.1 -2.3 -2.3	1.49 1.50 1.87 1.87	30.4 29.8 28.8 28.7	29.8 29.4 28.5 28.4	87.8	0.0	23.6	90.5	59.7	96.0	42.2	747.0	0.11	0.11	1.028 1.078 0.823 0.822 0.776 0.730 0.684 0.778
12:48:46	5758.24	5906.24	21.8	170.2	25.4 26.7	-2.0 -1.8 -1.6 -1.2	1.68 1.81 1.60 1.68	28.4 27.4 28.3 28.4	28.1 27.3 28.0 28.1	87.5	0.0	23.6	90.2	59.7	96.0	44.0	747.3	0.10	0.11	1.117 1.171 1.317 0.684 0.616 0.527 1.1577

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LOCAL TIME	PRESSURE ALT COMB (FEET)	MSL ALTITUDE (FEET)	HEADING (DEG)	AIRSPEED (KNOTS)	ROLL (DEG.)	PITCH (DEG.)	CONTROL COL. POS. (DEG.)	CTRL WHEEL (DEG.)	CTRL WHEEL PSIN (DEG.)	TORQUE RIGHT (%)	TORQUE LEFT (%)	PROP RPM (LEFT) (%)	PROP RPM (RIGHT) (%)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	FUEL FLOW LEFT (PPH)	FUEL FLOW RIGHT (PPH)	PROP IMBALNCE ENGI (G)	PROP IMBALNCE ENGI2 (G)	VERTICAL ACCEL (G'S)
12:49:15	5017.33	5165.33	73.1	161.4	14.2 12.7	1.5 1.6 1.6 1.5	1.65 1.63 1.49 1.68	26.5 26.5 26.7 27.4	26.6 26.5 26.7 27.3	78.1	0.0	23.6	100.3	59.0	95.9	38.4	755.8	0.10	0.12	1.165 0.822 0.822 0.867 0.776 0.616 0.570 0.570 0.524
12:49:16	5047.37	5195.37	74.2	161.1	11.6 11.3	1.5 1.4 1.2 1.1	1.58 1.43 1.35 1.29	28.6 28.3 28.4 27.6	28.4 28.1 28.2 27.4	77.9	0.0	23.6	100.2	58.9	96.0	38.4	754.3	0.09	0.13	0.432 0.432 0.272 0.135 0.987 0.043 0.946 0.948 0.618 0.356 0.242 0.412 0.414 0.918 0.970 0.847 0.158 0.203 0.205 0.310
12:49:17	5017.33	5165.33	74.9	160.1	11.2 11.1	1.0 0.7 0.6 0.7	1.38 1.50 1.57 1.64	26.8 26.5 26.6 26.5	26.8 26.6 26.6 26.5	78.0	0.0	23.6	100.0	58.9	95.9	38.7	757.5	0.12	0.11	0.218 0.218 0.985 0.970 0.954 0.919 0.837 0.958 0.988 0.983 0.983 0.977 0.977 0.974 0.956 0.956 0.956
12:49:18	4967.27	5115.27	75.6	159.8	10.6 9.8	0.9 1.1 1.2 1.3	1.59 1.63 1.57 1.64	26.4 26.3 26.2 26.5	26.4 26.4 26.2 26.5	78.0	0.0	23.6	100.2	58.8	96.0	38.4	758.7	0.10	0.11	0.970 0.970
12:49:19	4987.30	5135.30	76.3	159.6	8.9 8.1	1.4 1.6 1.6 1.5	1.64 1.48 1.47 1.63	28.5 27.7 27.7 27.8	28.3 27.5 27.5 27.7	78.1	0.0	23.6	100.3	58.8	96.0	38.7	761.3	0.15	0.11	0.970 0.970
12:49:20	5017.33	5165.33	77.0	158.9	7.6 7.1	1.4 1.6 1.3 1.3	1.57 1.44 1.45 1.45	27.8 28.0 28.4 28.3	27.7 27.9 28.1 28.1	77.9	0.0	23.6	100.2	58.8	95.9	38.7	757.2	0.12	0.10	0.970 0.970
12:49:21	4987.30	5135.30	77.0	157.6	6.7 6.3	1.2 1.3 1.3 1.4	1.43 1.68 1.64 1.59	27.6 27.9 28.4 28.6	27.5 27.6 28.5 28.3	77.2	0.0	23.6	100.2	58.8	96.0	38.7	751.9	0.11	0.10	0.970 0.970
12:49:22	4927.22	5075.22	77.7	157.4	6.2 5.7	1.5 1.7 1.7 1.8	1.56 1.55 1.58 1.52	28.4 27.3 27.4 27.7	28.1 27.3 27.3 27.5	77.7	0.0	23.6	100.3	58.7	95.9	39.0	748.1	0.09	0.11	0.970 0.970
12:49:23	4927.22	5075.22	77.3	158.7	5.0 3.9	1.8 1.8 1.9 2.0	1.68 1.68 1.70 1.69	27.5 27.3 27.7 30.2	27.3 27.2 27.5 29.7	77.9	0.0	23.6	100.0	58.7	95.9	38.7	752.8	0.08	0.10	0.952 0.952 0.991 0.968 0.970 0.970 0.970 0.970 0.970 0.970 0.970 0.970 0.970 0.970 0.970 0.970 0.970 0.970 0.970 0.970 0.970
12:49:24	4927.22	5075.22	77.3	158.7	3.0 2.8	2.2 2.1 2.1	1.32 1.50 1.44	30.0 30.2 30.1	29.5 29.7 29.7	78.1	0.0	23.6	100.5	58.7	95.9	38.7	753.4	0.09	0.10	0.952 0.952 0.953 1.049

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LOCAL TIME	PRESSURE ALT COMB (FEET)	MSL ALTITUDE (FEET)	HEADING (DEG)	AIRSPEED (KNOTS)	ROLL (DEG.)	PITCH (DEG.)	CONTROL COLM. POS (DEG.)	CTRL WHEEL (DEG.)	CTRL WHEEL PSN (DEG.)	TORQUE RIGHT (%)	TORQUE LEFT (%)	PROP RPM (LEFT) (%)	PROP RPM (RIGHT) (%)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	FUEL FLOW LEFT (PPH)	FUEL FLOW RIGHT (PPH)	PROP UNBALNCE ENG1 (G)	PROP UNBALNCE ENG2 (G)	VERTICAL ACCEL (G'S)
							2.0	1.26	30.0	29.5										1.0089
12:49:25	4877.16	5025.16	78.0	158.0	3.5 4.7	1.8 1.7 1.3 1.2	1.31 1.24 1.46 1.69	30.0 30.0 29.4 27.2	29.5 29.5 28.1 27.1	78.4	0.0	23.6	100.5	58.7	96.0	37.8	757.8	0.08	0.10	1.0341 1.0409 1.0158 1.0089 1.0409 0.9700 0.9428 0.9654 0.9428 0.9443 0.9356 0.9522
12:49:26	4877.16	5025.16	78.0	157.7	4.8 2.2	1.2 1.4 1.4 1.4	1.65 1.42 1.38 1.40	27.6 27.8 30.6 32.2	27.4 27.7 30.1 31.4	78.4	0.0	23.6	100.0	58.7	96.0	38.4	761.0	0.09	0.11	1.0158 1.0455 1.0341 1.0295 1.0341 1.1188 1.1422
12:49:27	4877.16	5025.16	77.7	156.2	1.4 1.5	1.1 0.8 0.3	1.38 1.28 1.41	31.8 31.7 30.6 30.4	31.1 31.0 30.8 29.8	79.0	0.0	23.6	99.8	58.7	96.0	43.4	756.6	0.10	0.09	1.0638 1.0423 0.9837 0.9898 0.9838 0.9748 0.9522 0.9156
12:49:28	4847.12	4995.12	77.3	153.3	3.3 4.6	0.4 0.6 0.6 0.9	1.38 1.25 1.25 1.27	30.3 30.3 30.3 29.8	29.8 30.8 30.4 29.4	78.4	0.0	23.6	100.3	58.6	96.0	43.7	765.7	0.11	0.12	0.9748 0.9838 0.9838 0.9838 0.9838 0.9838 0.9838 0.9838
12:49:29	4817.09	4965.09	78.0	159.6	5.4 6.0	0.9 0.8 0.8 1.2	1.45 1.50 1.41 1.49	28.6 28.6 28.6 28.6	28.4 28.4 28.3 28.3	79.0	0.0	23.6	100.2	58.6	96.0	37.8	761.3	0.11	0.10	0.9838 0.9838 0.9838 0.9838 0.9838 0.9838 0.9838 0.9838
12:49:30	4847.12	4995.12	77.7	156.5	6.3 6.2	1.3 1.3 0.9	1.45 1.45 1.49	28.5 28.5 28.5	28.3 28.3 28.1	79.0	0.0	23.6	100.2	58.5	96.0	38.4	760.7	0.11	0.09	1.0089 1.0089 0.9838 0.9838 0.9838 0.9838 0.9838 0.9838
12:49:31	4787.05	4935.05	77.3	155.5	5.4 5.9	0.8 0.8 0.8 0.9	1.59 1.65 1.69 1.65	28.4 29.4 29.4 27.2	28.2 28.1 28.1 27.1	79.9	0.0	23.6	100.3	58.6	96.0	38.7	764.5	0.10	0.09	0.9838 0.9838 0.9838 0.9838 0.9838 0.9838 0.9838 0.9838
12:49:32	4736.99	4884.99	78.4	156.2	5.5 4.7	1.1 1.3 1.5 1.6	1.68 1.61 1.67 1.63	27.4 27.8 27.7 27.7	27.3 27.6 27.5 27.5	82.1	0.0	23.6	100.3	58.6	95.9	43.1	774.8	0.09	0.09	0.9356 0.9428 0.9443 0.9356 0.9428 0.9443 0.9356 0.9428
12:49:33	4757.02	4905.02	78.0	154.9	3.3 1.7	1.7 1.6 1.5 1.3	1.65 1.61 1.30 1.60	27.8 27.5 27.7 29.4	27.6 27.4 27.5 29.0	81.0	0.0	23.6	100.0	58.6	95.9	41.3	776.6	0.10	0.09	1.0409 1.0753 1.1142 1.0547 1.0158 1.0409 0.9753 1.0043 1.0249 1.0455 0.9654

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LOCAL TIME	PRESSURE ALT COMB (FEET)	MSL ALTITUDE (FEET)	HEADING (DEG)	AIRSPEED (KNOTS)	ROLL (DEG.)	PITCH (DEG.)	CONTROL COL. POS (DEG.)	CTRL WHEEL (DEG.)	CTRL WHEEL (DEG.)	TORQUE RIGHT (%)	TORQUE LEFT (%)	PROP RPM (LEFT) (%)	PROP RPM (RIGHT) (%)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	FUEL FLOW LEFT (PPH)	FUEL FLOW RIGHT (PPH)	PROP IMBALNCE ENG1 (G)	PROP IMBALNCE ENG2 (G)	VERTICAL ACCEL (G'S)
							-2.2 -2.3	1.42 0.98	24.9 24.8	25.2 25.0										0.9585 0.9517 0.9471 0.9425 0.9471 0.9425 0.9379 0.9325 0.9379 0.9325 0.9285 0.9231 0.9177 0.9123
12:50:12	3910.86	4058.86	78.4	162.9	-4.7 -4.9	-2.4 -2.5 -2.4 -2.4	1.42 1.48 1.43 1.31	24.6 24.3 23.3 23.2	24.8 24.6 23.7 23.6	77.3	0.0	23.6	100.3	58.1	95.7	46.9	771.3	0.08	0.10	0.9123 0.9079 0.9035 0.8991 0.8947 0.8903 0.8859 0.8815 0.8771 0.8727 0.8683 0.8639
12:50:13	3886.44	4034.44	78.0	163.7	-5.5 -6.1	-2.4 -2.5 -2.5 -2.5	1.42 1.43 1.46 1.60	23.3 23.7 25.2 25.7	23.8 24.1 25.4 25.8	77.6	0.0	23.6	100.3	58.0	95.7	47.5	766.0	0.09	0.12	0.8639 0.8595 0.8551 0.8507 0.8463 0.8419 0.8375 0.8331 0.8287 0.8243 0.8199 0.8155
12:50:14	3852.25	4000.25	77.0	164.7	-5.8 -6.6	-2.3 -2.3 -2.3 -2.6	1.63 1.63 1.66 1.33	25.7 26.6 28.0 27.4	25.9 26.0 27.8 27.3	77.3	0.0	23.6	100.2	57.9	95.7	47.5	759.9	0.10	0.12	0.8155 0.8111 0.8067 0.8023 0.7979 0.7935 0.7891 0.7847 0.7803 0.7759 0.7715 0.7671
12:50:15	3820.51	3968.51	75.6	164.7	-5.0 -4.9	-2.0 -2.5 -2.5 -2.8	1.29 1.29 1.24 1.29	27.4 27.0 27.0 25.0	27.3 26.8 27.0 25.2	76.9	0.0	23.6	100.3	57.9	95.6	51.6	758.4	0.10	0.11	0.7671 0.7627 0.7583 0.7539 0.7495 0.7451 0.7407 0.7363 0.7319 0.7275 0.7231 0.7187
12:50:16	3792.42	3940.42	74.9	165.1	-4.3 -4.0	-3.0 -3.0 -3.0 -2.6	1.44 1.48 1.48 1.55	25.1 26.3 26.3 25.3	25.3 26.2 26.4 25.5	76.6	0.0	23.6	100.2	57.9	95.5	52.2	760.1	0.10	0.11	0.7187 0.7143 0.7099 0.7055 0.7011 0.6967 0.6923 0.6879 0.6835 0.6791 0.6747 0.6703
12:50:17	3760.68	3908.68	74.9	165.1	-3.8 -3.4	-2.5 -2.5 -2.5 -2.8	1.43 1.19 1.31 1.38	25.6 26.6 26.6 28.3	25.8 26.4 26.3 28.0	76.6	0.0	23.6	100.3	57.9	95.5	51.6	754.0	0.09	0.10	0.6703 0.6659 0.6615 0.6571 0.6527 0.6483 0.6439 0.6395 0.6351 0.6307 0.6263 0.6219
12:50:18	3730.15	3878.15	73.8	165.7	-2.7 -2.1	-3.0 -3.0 -3.0 -3.2	1.29 1.38 1.38 1.36	26.6 26.6 26.6 26.3	26.6 26.6 26.6 26.4	76.6	0.0	23.6	100.0	57.8	95.5	52.2	758.1	0.11	0.10	0.6219 0.6175 0.6131 0.6087 0.6043 0.5999 0.5955 0.5911 0.5867 0.5823 0.5779 0.5735
12:50:19	3694.74	3842.74	73.1	166.6	-1.7 -1.4	-3.2 -3.1 -3.0 -2.9	1.41 1.43 1.42 1.43	26.5 26.5 26.5 26.1	26.6 26.5 26.5 26.2	76.8	0.0	23.6	100.3	57.8	95.5	51.6	753.1	0.09	0.11	0.5735 0.5691 0.5647 0.5603 0.5559 0.5515 0.5471 0.5427 0.5383 0.5339 0.5295 0.5251
12:50:20	3664.22	3812.22	72.8	166.3	-1.1 -0.7	-3.0 -2.9 -2.8 -2.9	1.36 1.36 1.35 1.31	26.5 26.6 26.7 26.4	26.5 26.6 26.7 26.5	76.5	0.0	23.6	100.3	57.8	95.5	51.6	758.7	0.09	0.11	0.5251 0.5207 0.5163 0.5119 0.5075 0.5031 0.4987 0.4943 0.4899 0.4855 0.4811 0.4767

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LOCAL TIME	PRESSURE ALT. COMB (FEET)	MSL ALTITUDE (FEET)	HEADING (DEG)	AIRSPED (KNOTS)	ROLL (DEG.)	PITCH (DEG.)	CONTROL POS. (DEG.)	CTRL WHEEL (DEG.)	CTRL WHEEL (DEG.)	TORQUE RIGHT (%)	TORQUE LEFT (%)	PROP RPM (LEFT) (%)	PROP RPM (RIGHT) (%)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	FUEL FLOW LEFT (PPH)	FUEL FLOW RIGHT (PPH)	PROP IMBALNCE ENGI (G)	PROP IMBALNCE ENGI2 (G)	VERTICAL ACCEL (G'S)
12:50:30	3361.41	3509.41	73.8	169.0	10.2 10.4	-1.7 -1.7 -1.6	1.45 1.45 1.51	26.6 26.6 26.6	26.6 26.6 26.6	76.3	0.0	23.6	100.3	57.6	95.4	57.1	758.1	0.10	0.10	0.112
12:50:31	3329.67	3477.67	74.2	169.3	10.4	-1.5 -1.3 -0.9	1.57 1.52 1.54	26.5 26.7 26.8	26.5 26.6 26.8	76.2	0.0	23.6	99.8	57.5	95.4	56.3	757.5	0.09	0.10	0.112
12:50:32	3301.58	3449.58	75.2	168.7	10.4	-0.7 -0.7 -1.0	1.40 1.31 1.40	27.1 27.4 26.0	27.0 27.3 26.1	76.0	0.0	23.6	100.3	57.5	95.4	61.2	766.9	0.08	0.10	0.112
12:50:33	3280.83	3428.83	75.9	169.7	10.5 10.5	-1.0 -1.0 -1.0	1.32 1.24 1.31	26.2 26.3 25.8	26.2 26.3 25.9	76.0	0.0	23.6	100.2	57.5	95.3	56.6	762.5	0.10	0.10	0.112
12:50:34	3256.41	3404.41	76.6	169.0	10.7 10.6	-1.0 -0.9 -0.6	1.33 1.28 1.31	25.9 26.4 26.1	26.0 26.0 26.2	75.8	0.0	23.6	100.2	57.4	95.3	56.6	759.9	0.09	0.10	0.112
12:50:35	3231.99	3379.99	77.3	167.7	10.5 10.5	-0.7 -0.6 -1.1	1.09 1.18 1.29	26.1 26.0 26.0	26.2 26.1 26.1	75.9	0.0	23.6	100.2	57.4	95.3	61.2	765.1	0.10	0.11	0.112
12:50:36	3211.23	3359.23	78.0	168.0	10.5 10.5	-1.2 -1.5 -1.2	1.30 1.38 1.29	26.1 26.3 25.8	26.2 26.5 25.9	75.8	0.0	23.6	100.2	57.4	95.3	56.0	756.3	0.10	0.12	0.112
12:50:37	3186.81	3334.81	78.7	167.7	10.7 10.8	-1.1 -1.0 -0.9	1.42 1.35 1.42	25.7 26.3 25.1	25.9 26.2 25.3	76.0	0.0	23.6	100.0	57.3	95.3	70.6	758.1	0.09	0.11	0.112
12:50:38	3158.73	3306.73	79.8	168.4	10.7 10.7	-0.7 -0.6 -0.9	1.42 1.26 1.16	25.8 26.1 25.8	25.9 26.0 25.9	76.0	0.0	23.6	100.3	57.3	95.4	69.7	756.9	0.08	0.12	0.112
12:50:39	3145.29	3293.29	80.2	168.0	10.8 10.8	-1.1 -1.1 -1.2	1.17 1.26 1.20	24.9 24.2 24.7	25.2 24.8 24.9	76.3	0.0	23.6	100.0	57.3	95.3	61.0	757.2	0.08	0.12	0.112

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LOCAL TIME	PRESSURE ALT CORR (FEET)	MSL ALTITUDE (FEET)	HEADING (DEG)	AIRSPD (KNOTS)	ROLL (DEG.)	PITCH (DEG.)	CONTROL COL. M. (DEG.)	CTRL WHEEL (DEG.)	CTRL WHEEL (DEG.)	TORQUE RIGHT (%)	TORQUE LEFT (%)	PROP RPM (LEFT) (%)	PROP RPM (RIGHT) (%)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	FUEL FLOW LEFT (PPH)	FUEL FLOW RIGHT (PPH)	PROP IMBALANCE ENGI (G)	PROP IMBALANCE ENGI (G)	VERTICAL ACCEL (G'S)
						-1.3	1.24	24.7	25.0											0.9530
12:50:40	3117.21	3265.21	80.9	167.5	8.8 8.8	-1.4 -1.4 -1.4 -1.3	1.36 1.49 1.28	24.9 25.3 24.9	25.2 25.0 25.1	76.0	0.0	23.6	100.2	57.3	95.3	61.2	765.4	0.09	0.10	0.9532
12:50:41	3089.13	3237.13	81.6	167.7	8.8 8.8	-1.2 -1.2 -1.2 -1.1	1.42 1.45 1.32 1.25	24.7 24.7 24.8 24.9	25.0 25.0 25.0 25.2	76.4	0.0	23.6	100.2	57.3	95.3	61.2	763.4	0.09	0.10	0.9532
12:50:42	3068.37	3216.37	81.9	168.0	8.3 7.6	-1.2 -1.4 -1.4 -1.5	1.16 1.22 1.41 1.29	24.7 24.4 24.1 24.3	25.0 24.7 24.4 24.7	76.2	0.0	23.6	100.5	57.3	95.3	61.2	760.7	0.10	0.10	0.9532
12:50:43	3040.29	3188.29	82.6	168.0	7.0 6.7	-1.5 -1.5 -1.4 -1.5	1.28 1.50 1.28	24.6 24.4 23.9 24.0	24.8 24.7 24.3 24.4	76.6	0.0	23.6	100.0	57.3	95.3	60.7	757.5	0.08	0.10	0.9532
12:50:44	3015.87	3163.87	82.6	167.1	5.9 4.7	-1.4 -1.5 -1.4 -1.3	1.42 1.39 1.39 1.42	23.6 23.3 23.3 24.6	24.0 24.0 24.9 24.8	76.3	0.0	23.6	100.2	57.3	95.3	61.2	765.4	0.08	0.11	0.9532
12:50:45	2989.01	3137.01	82.3	168.4	3.6 2.9	-1.3 -1.2 -1.1 -1.1	1.47 1.54 1.39 1.29	26.6 28.2 28.2 28.1	26.6 28.0 28.0 27.9	76.2	0.0	23.6	100.2	57.2	95.3	60.7	762.5	0.08	0.10	0.9532
12:50:46	2964.59	3112.59	82.3	168.7	2.5 2.7	-1.2 -1.4 -1.4 -1.5	1.42 1.42 1.29 1.12	28.3 28.1 27.0 27.1	28.0 27.9 26.9 27.0	76.7	0.0	23.6	100.3	57.2	95.3	61.2	765.7	0.08	0.10	0.9532
12:50:47	2942.61	3090.61	83.3	168.7	3.0 4.4	-1.8 -1.8 -1.8 -1.8	1.24 1.20 1.27 1.24	27.4 27.2 26.7 26.1	27.3 27.1 26.7 26.2	76.0	0.0	23.6	100.3	57.3	95.3	61.2	766.9	0.10	0.11	0.9532
12:50:48	2921.85	3069.85	83.3	167.6	6.1 6.6	-1.6 -1.6 -1.8 -1.8	1.20 1.12 0.89	25.8 25.8 24.5	25.9 25.9 24.8	76.5	0.0	23.6	100.5	57.2	95.3	61.2	766.3	0.09	0.11	0.9532

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LOCAL TIME	PRESSURE ALT (FEET)	MSL ALTITUDE (FEET)	HEADING (DEG)	AIRSPED (KNOTS)	ROLL (DEG.)	PITCH (DEG.)	CONTROL COL.M. (DEG.)	CTRL WHEEL (LEFT) (DEG.)	CTRL WHEEL (RIGHT) (DEG.)	TORQUE RIGHT (%)	TORQUE LEFT (%)	PROP RPM (LEFT) (%)	PROP RPM (RIGHT) (%)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	FUEL FLOW LEFT (PPH)	FUEL FLOW RIGHT (PPH)	PROP UNBALANCE ENGI (G)	PROP UNBALANCE ENGI2 (G)	VERTICAL ACCEL (G'S)
12:50:49	2897.43	3045.43	82.6	166.9	6.0 4.3	-1.7 -1.7 -1.6 -1.8	1.40 1.21 1.18 1.19	24.7 24.6 24.9 26.3	25.0 25.1 26.3	76.4	0.0	23.6	100.3	57.2	95.3	61.2	769.5	0.09	0.10	0.9400 0.9370 0.9330 0.9290 0.9250 0.9210 0.9170 0.9130 0.9090 0.9050
12:50:50	2873.01	3021.01	83.7	165.7	4.7 5.2	-1.8 -2.0 -2.1 -2.3	1.19 1.20 1.24 1.28	26.3 26.5 26.0 23.8	26.4 25.7 25.2 24.2	76.2	0.0	23.6	100.0	57.1	95.3	61.2	762.8	0.10	0.10	0.9050 0.9010 0.8970 0.8930 0.8890 0.8850 0.8810 0.8770 0.8730 0.8690
12:50:51	2846.15	2994.15	83.3	168.1	4.7 4.8	-2.3 -2.0 -1.8 -1.6	1.43 1.47 1.43 1.20	24.7 25.0 24.6 23.7	24.9 25.2 24.8 24.1	76.0	0.0	23.6	100.3	57.1	95.2	60.7	761.9	0.10	0.09	0.8650 0.8610 0.8570 0.8530 0.8490 0.8450 0.8410 0.8370 0.8330 0.8290
12:50:52	2814.40	2962.40	83.7	165.9	4.4 3.3	-1.5 -1.6 -1.7 -1.6	1.30 1.36 1.44 1.40	23.7 23.9 24.2 24.3	24.1 24.3 24.5	76.1	0.0	23.6	99.8	57.0	95.2	61.2	764.5	0.09	0.08	0.8250 0.8210 0.8170 0.8130 0.8090 0.8050 0.8010 0.7970 0.7930 0.7890
12:50:53	2789.98	2937.98	83.3	166.9	2.4 1.1	-1.6 -1.6 -1.6 -1.5	1.44 1.41 1.26 1.40	23.9 23.0 23.5 24.1	24.3 23.8 23.9 24.5	75.6	0.0	23.6	100.2	57.0	95.2	63.6	756.9	0.09	0.09	0.7450 0.7410 0.7370 0.7330 0.7290 0.7250 0.7210 0.7170 0.7130 0.7090
12:50:54	2758.24	2906.24	83.0	166.9	-0.7 -1.9	-1.6 -1.4 -1.4 -1.4	1.43 1.42 1.43 1.47	24.3 24.2 24.2 24.6	24.6 24.6 24.5 24.8	75.6	0.0	23.6	100.3	57.1	95.2	63.3	758.7	0.09	0.09	0.6650 0.6610 0.6570 0.6530 0.6490 0.6450 0.6410 0.6370 0.6330 0.6290
12:50:55	2733.82	2881.82	82.6	167.3	-3.1 -4.0	-1.2 -1.2 -1.3 -1.5	1.42 1.21 1.23 1.09	24.6 24.9 27.4 28.1	24.9 25.1 27.3 27.9	75.7	0.0	23.6	100.3	57.0	95.1	65.6	759.9	0.10	0.09	0.5050 0.5010 0.4970 0.4930 0.4890 0.4850 0.4810 0.4770 0.4730 0.4690
12:50:56	2713.06	2861.06	81.9	167.3	-3.6 -3.1	-1.7 -1.6 -1.9 -2.1	1.17 1.22 1.23 1.21	26.3 26.2 26.0 27.0	26.3 26.2 26.1 27.0	75.6	0.0	23.6	99.8	57.0	95.1	65.6	759.9	0.10	0.11	0.3450 0.3410 0.3370 0.3330 0.3290 0.3250 0.3210 0.3170 0.3130 0.3090
12:50:57	2688.64	2836.64	81.2	166.9	-2.4 -0.4	-2.0 -1.8 -1.8	1.28 1.29 1.13	31.1 32.9 35.4 33.3	30.5 30.0 35.5 32.4	75.4	0.0	23.6	99.8	57.0	95.1	66.2	756.0	0.09	0.10	0.1850 0.1810 0.1770 0.1730 0.1690 0.1650 0.1610 0.1570 0.1530 0.1490
12:50:58	2660.56	2808.56	81.2	167.3	2.3	-1.7	1.11	32.8	32.0	75.6	0.0	23.6	100.3	56.9	95.1	65.6	764.0	0.09	0.09	0.0850 0.0810 0.0770 0.0730 0.0690 0.0650 0.0610 0.0570 0.0530 0.0490

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 August 21, 1995, Revised: OCT 24, 1995,

LOCAL TIME	PRESSURE ALT. COMP. (FEET)	MSL ALTITUDE (FEET)	HEADING (DEG)	AIRSPEED (KNOTS)	ROLL (DEG.)	PITCH (DEG.)	CONTROL COLM. POS. (DEG.)	CTRL WHEEL (COPT) (DEG.)	CTRL WHEEL (PSU) (DEG.)	TORQUE RIGHT (%)	TORQUE LEFT (%)	PROP RPM (LEFT) (%)	PROP RPM (RIGHT) (%)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	FUEL FLOW LEFT (PPH)	FUEL FLOW RIGHT (PPH)	PROP IMBALNCE (ENG1) (G)	PROP IMBALNCE (ENG2) (G)	VERTICAL ACCEL (G'S)
12:51:08	2406.59	2554.59	91.8	169.3	16.3 17.3	-1.1 -1.0 -1.1 -1.1	1.07 1.38 1.28 1.44	27.1 26.7 26.7 26.5	27.0 26.7 26.7 26.5	74.5	0.0	23.6	100.2	56.8	94.9	70.3	755.8	0.10	0.09	0.0814
12:51:09	2383.39	2531.39	93.2	169.0	18.1 18.5	-1.0 -0.8 -0.8 -0.5	1.44 1.44 1.39 1.38	26.8 26.9 26.9 26.7	26.8 26.8 26.8 26.7	74.9	0.0	23.6	100.0	56.7	94.9	70.3	755.5	0.10	0.11	0.0815
12:51:10	2361.41	2509.41	94.6	167.9	18.4 18.5	-0.5 -0.5 -0.8 -0.9	1.32 1.06 1.64 1.28	27.4 27.4 27.7 28.2	27.3 27.4 27.0 28.0	74.6	0.0	23.6	100.2	56.7	94.9	74.4	757.5	0.09	0.10	0.0816
12:51:11	2336.99	2484.99	96.0	168.5	19.1 20.8	-1.1 -1.4 -1.5 -1.7	1.14 1.19 1.12 1.22	29.3 30.0 30.0 30.5	28.9 30.0 30.0 30.0	74.5	0.0	23.6	99.8	56.7	94.9	74.7	756.3	0.09	0.11	0.0817
12:51:12	2312.57	2460.57	98.1	168.8	23.3 25.0	-1.6 -1.9 -1.5 -1.5	1.32 1.36 1.43 1.43	29.3 27.4 27.2 27.2	28.9 27.3 27.2 27.2	74.5	0.0	23.6	100.5	56.7	94.9	70.0	756.6	0.09	0.11	0.0818
12:51:13	2289.37	2437.37	100.2	168.8	25.5 25.2	-1.5 -1.6 -1.5 -1.2	1.43 1.43 1.43 1.43	26.6 26.6 26.7 27.2	26.6 26.6 26.9 27.2	73.9	0.0	23.6	100.3	56.7	94.8	70.3	757.8	0.09	0.10	0.0819
12:51:14	2257.63	2405.63	102.3	169.1	25.2 26.0	-1.2 -1.4 -1.4 -1.5	1.43 1.40 1.43 1.43	27.4 27.3 26.9 26.9	27.3 27.3 26.9 26.9	74.5	0.0	23.6	100.3	56.7	94.8	70.3	755.2	0.08	0.09	0.0820
12:51:15	2229.54	2377.54	105.1	168.8	26.8 25.9	-1.6 -1.8 -1.8 -1.8	1.43 1.50 1.42 1.42	26.7 26.3 26.6 26.6	26.7 26.5 26.6 26.6	74.2	0.0	23.6	100.0	56.7	94.8	70.9	759.6	0.09	0.09	0.0821
12:51:16	2197.80	2345.80	107.9	168.1	25.9 26.3	-1.9 -2.1 -2.2 -2.3	1.44 1.44 1.44 1.50	26.7 26.5 26.5 26.5	26.7 26.9 26.9 26.5	74.4	0.0	23.6	100.7	56.7	94.8	69.5	759.6	0.08	0.10	0.0822

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LOCAL TIME	PRESSURE ALT. COMB (FEET)	MSL ALTITUDE (FEET)	HEADING (DEG)	AIRSPEED (KNOTS)	ROLL (DEG.)	PITCH (DEG.)	CONTROL POS. (DEG.)	CTRL WHEEL (COFT) (DEG.)	CTRL WHEEL (DEG.)	TORQUE RYGT (%)	TORQUE LEFT (%)	PROP RPM (LEFT) (%)	PROP RPM (RIGHT) (%)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	FUEL FLOW LEFT (PPH)	FUEL FLOW RIGHT (PPH)	PROP IMBALNCE ENGL (G)	PROP IMBALNCE ENGR (G)	VERTICAL ACCEL (G'S)
12:51:17	2172.16	2320.16	110.4	168.5	27.1 27.0	-2.3 -2.3 -1.8	1.46 1.48 1.47	26.3 26.3 26.4	26.3 26.3 26.5	73.8	0.0	23.6	100.5	56.7	94.8	70.0	755.8	0.09	0.10	0.9700
12:51:18	2137.97	2285.97	112.1	170.1	26.3 24.6	-1.8 -1.6 -1.5	1.54 1.53 1.53	26.6 26.6 26.4	26.6 26.6 26.4	74.8	0.0	23.6	100.7	56.6	94.8	65.3	760.1	0.08	0.09	0.9500
12:51:19	2109.89	2257.89	115.0	169.5	23.3 23.5	-1.5 -1.3 -1.2	1.70 1.68 1.43	27.5 27.3 26.5	27.3 27.3 26.5	74.2	0.0	23.6	100.2	56.6	94.8	70.0	758.1	0.10	0.10	0.9500
12:51:20	2081.80	2229.80	117.4	168.0	23.2 22.8	-1.2 -1.2 -1.1	1.58 1.48 1.57	26.6 26.6 26.3	26.6 26.6 26.4	73.3	0.0	23.6	99.8	56.6	94.8	74.4	751.4	0.11	0.09	0.9500
12:51:21	2057.38	2205.38	118.8	168.7	22.6 22.3	-1.2 -1.0 -0.6	1.57 1.57 1.58	26.3 26.3 26.2	26.4 26.3 26.3	73.4	0.0	23.6	100.5	56.6	94.6	70.3	751.1	0.11	0.10	0.9500
12:51:22	2026.86	2174.86	120.6	169.7	21.5 20.0	-0.4 -0.3 -0.4	1.57 1.50 1.45	26.3 26.4 26.3	26.3 26.4 26.3	72.6	0.0	23.6	99.8	56.5	94.6	70.6	748.7	0.10	0.10	0.9500
12:51:23	2004.88	2152.88	122.7	168.0	19.4 19.4	-0.4 -0.4 -0.2	1.52 1.50 1.45	26.3 26.7 27.4	26.4 26.8 27.3	71.9	0.0	23.6	100.0	56.5	94.5	74.4	744.6	0.10	0.09	0.9500
12:51:24	1978.02	2126.02	124.8	168.7	19.8 19.8	-0.2 -0.3 -0.3	1.27 1.43 1.44	26.9 26.4 26.1	26.9 26.4 26.1	72.1	0.0	23.6	100.2	56.5	94.5	70.0	739.0	0.09	0.09	0.9500
12:51:25	1957.26	2105.26	126.2	168.4	19.0 18.5	-0.2 0.0 0.1	1.45 1.50 1.43	26.5 26.5 27.1	26.5 26.8 27.0	72.3	0.0	23.6	100.3	56.4	94.5	70.0	743.7	0.09	0.09	0.9500
12:51:26	1938.95	2086.95	127.6	166.8	18.3 18.1	0.0 0.0	1.38 1.31	26.7 26.6	26.7 26.6	72.1	0.0	23.6	100.2	56.4	94.4	69.7	747.3	0.09	0.10	0.9500

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LOCAL TIME	PRESSURE ALT COMB (FEET)	MSL ALTITUDE (FEET)	HEADING (DEG)	AIRSPEED (KNOTS)	ROLL (DEG.)	PITCH (DEG.)	CONTROL COLM. POS (DEG.)	CTRL WHEEL (DEG.)	CTRL WHEEL (DEG.)	TORQUE RIGHT (%)	TORQUE LEFT (%)	PROP RPM (LEFT) (%)	PROP RPM (RIGHT) (%)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	FUEL FLOW LEFT (PPH)	FUEL FLOW RIGHT (PPH)	PROP IMBALNCE ENGI (G)	PROP IMBALNCE ENGI2 (G)	VERTICAL ACCEL (G'S)
12:51:45	1627.59	1775.59	144.5	156.9	-14.5 -18.1	2.6 2.2 2.3 1.8	1.59 1.50 1.82 1.89	22.6 23.4 25.4 27.0	23.1 23.8 28.0 27.0	72.5	0.0	23.6	100.2	56.1	94.5	79.4	753.1	0.08	0.08	1.1669 1.2012 1.1760 1.1211 1.0730 0.9135 0.9517 0.9814 0.9723 0.9629 0.9974 0.9181 0.9570 0.8133 1.0288 1.0733
12:51:46	1620.27	1768.27	141.7	156.6	-20.0 -20.3	1.8 2.0 2.6	1.88 2.02 1.95	27.3 27.9 28.3	27.2 27.4 28.1	72.5	0.0	23.6	100.3	56.1	94.5	76.2	749.9	0.09	0.08	1.1211 1.0730 0.9135 0.9517 0.9814 0.9723 0.9629 0.9974 0.9181 0.9570 0.8133 1.0288 1.0733
12:51:47	1606.83	1754.83	138.9	156.3	-20.7 -22.1	2.6 2.8 2.8	1.88 1.87 1.87	28.0 27.7 28.5	27.8 27.5 28.2	76.6	0.0	23.6	100.9	56.1	94.5	79.1	775.7	0.10	0.08	1.1211 1.0730 1.0288 1.0733
12:51:48	1599.51	1747.51	135.0	154.4	-24.0 -24.8	2.8 2.7 2.6	1.81 2.27 1.97	30.3 31.0 32.1	29.8 30.4 31.4	77.7	0.0	23.6	100.2	56.1	95.2	79.1	790.9	0.10	0.08	1.1211 1.0730 1.0288 1.0733
12:51:49	1589.74	1737.74	131.5	153.4	-25.1 -25.8	3.2 3.1 2.8	2.00 1.88 1.86	31.7 32.0 31.9	31.0 31.2 31.1	77.4	0.0	23.6	100.0	56.1	95.3	74.7	788.9	0.09	0.08	1.1211 1.0730 1.0288 1.0733
12:51:50	1582.41	1730.41	127.3	152.5	-27.0 -27.2	2.5 2.4 2.4	1.95 2.07 2.00 1.88	32.5 36.3 36.5 35.9	31.7 35.0 35.1 34.7	77.4	0.0	23.6	100.2	56.1	95.3	78.5	792.1	0.09	0.08	1.1211 1.0730 1.0288 1.0733
12:51:51	1571.43	1719.43	123.7	153.2	-26.5 -25.1	2.3 2.3 2.2	1.82 1.85 1.86	36.2 36.0 34.6	34.9 34.7 33.5	77.5	0.0	23.6	100.2	56.1	95.3	79.4	790.6	0.08	0.08	1.1211 1.0730 1.0288 1.0733
12:51:52	1561.66	1709.66	120.6	150.3	-24.7 -24.4	2.1 2.0 2.1 1.9	1.88 2.09 2.14 2.07	34.4 34.2 34.7 34.6	33.3 33.2 33.6 33.5	77.3	0.0	23.6	100.2	56.1	95.3	79.1	791.5	0.08	0.08	1.1211 1.0730 1.0288 1.0733
12:51:53	1547.01	1695.01	116.7	149.3	-24.5 -24.7	2.0 1.8 1.8	2.02 2.09 2.29 2.35	34.7 34.6 34.9 35.1	33.6 33.5 33.8 33.9	77.8	0.0	23.6	100.2	56.1	95.3	77.1	790.3	0.10	0.08	1.1211 1.0730 1.0288 1.0733
12:51:54	1537.24	1685.24	112.5	151.0	-25.8 -26.5	1.8 2.1 2.5	2.52 2.50 2.45	35.7 35.9 35.8	34.5 34.7 34.5	77.5	0.0	23.6	99.8	56.1	95.3	79.4	789.4	0.08	0.08	1.1211 1.0730 1.0288 1.0733

Plot No. 4, Engine Data , EMB120, N256AS, DCA-95-M-A-054
 August 21, 1995, Revised: OCT 24, 1995.

LOCAL TIME	PRESSURE ALT. COMB (FEET)	MSL ALTITUDE (FEET)	HEADING (DEG)	AIRSPEED (KNOTS)	ROLL (DEG.)	PITCH (DEG.)	CONTROL COLM. POS (DEG.)	CTRL WHEEL (COFF) (DEG.)	CTRL WHEEL PSN (DEG.)	TORQUE RIGHT (%)	TORQUE LEFT (%)	PROP RPM (LEFT) (%)	PROP RPM (RIGHT) (%)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	FUEL FLOW LEFT (PPH)	FUEL FLOW RIGHT (PPH)	PROP IMBALANCE ENG1 (G)	PROP IMBALANCE ENG2 (G)	VERTICAL ACCEL (G'S)
							2.7	2.39	36.7		35.3									1.279
12:51:55	1526.25	1674.25	108.3	149.7	-27.6 -28.3	2.9 2.7 2.6 2.6	2.01 2.21 2.51 2.52	37.1 37.1 37.3 37.9	35.7 35.7 35.9 36.4	77.5	0.0	23.6	100.5	56.1	95.3	79.1	787.7	0.08	0.08	1.1620 1.1621 1.1626 1.1628 1.1629 1.1637 1.1639 1.1640 1.1641 1.1642 1.1643 1.1644 1.1645 1.1646 1.1647 1.1648 1.1649 1.1650 1.1651 1.1652 1.1653 1.1654 1.1655 1.1656 1.1657 1.1658 1.1659 1.1660 1.1661 1.1662 1.1663 1.1664 1.1665 1.1666 1.1667 1.1668 1.1669 1.1670 1.1671 1.1672 1.1673 1.1674 1.1675 1.1676 1.1677 1.1678 1.1679 1.1680 1.1681 1.1682 1.1683 1.1684 1.1685 1.1686 1.1687 1.1688 1.1689 1.1690 1.1691 1.1692 1.1693 1.1694 1.1695 1.1696 1.1697 1.1698 1.1699 1.1700
12:51:56	1512.82	1660.82	104.8	147.5	-27.6 -25.9	2.7 2.6 2.5	2.33 2.19 2.18	38.0 37.1 37.3 37.0	36.4 36.7 36.8 35.6	77.8	0.0	23.6	100.0	56.2	95.4	83.2	791.5	0.08	0.08	1.1711 1.1712 1.1713 1.1714 1.1715 1.1716 1.1717 1.1718 1.1719 1.1720 1.1721 1.1722 1.1723 1.1724 1.1725 1.1726 1.1727 1.1728 1.1729 1.1730 1.1731 1.1732 1.1733 1.1734 1.1735 1.1736 1.1737 1.1738 1.1739 1.1740 1.1741 1.1742 1.1743 1.1744 1.1745 1.1746 1.1747 1.1748 1.1749 1.1750
12:51:57	1498.17	1646.17	100.5	148.1	-25.8 -26.5	2.2 1.9 1.8 2.0	2.35 2.20 2.09 2.58	37.6 36.9 36.7 40.3	36.1 36.7 37.0 38.4	77.8	0.0	23.6	100.2	56.1	95.3	83.8	787.1	0.09	0.07	1.1751 1.1752 1.1753 1.1754 1.1755 1.1756 1.1757 1.1758 1.1759 1.1760 1.1761 1.1762 1.1763 1.1764 1.1765 1.1766 1.1767 1.1768 1.1769 1.1770 1.1771 1.1772 1.1773 1.1774 1.1775 1.1776 1.1777 1.1778 1.1779 1.1780 1.1781 1.1782 1.1783 1.1784 1.1785 1.1786 1.1787 1.1788 1.1789 1.1790 1.1791 1.1792 1.1793 1.1794 1.1795 1.1796 1.1797 1.1798 1.1799 1.1800
12:51:58	1492.06	1640.06	95.6	147.5	-27.3 -27.6	2.0 2.0 2.0	2.33 2.15 2.11	41.8 41.8 42.0 41.8	39.7 39.6 39.6 39.8	77.4	0.0	23.6	99.8	56.1	95.3	84.1	788.6	0.10	0.07	1.1801 1.1802 1.1803 1.1804 1.1805 1.1806 1.1807 1.1808 1.1809 1.1810 1.1811 1.1812 1.1813 1.1814 1.1815 1.1816 1.1817 1.1818 1.1819 1.1820 1.1821 1.1822 1.1823 1.1824 1.1825 1.1826 1.1827 1.1828 1.1829 1.1830 1.1831 1.1832 1.1833 1.1834 1.1835 1.1836 1.1837 1.1838 1.1839 1.1840 1.1841 1.1842 1.1843 1.1844 1.1845 1.1846 1.1847 1.1848 1.1849 1.1850
12:51:59	1477.41	1625.41	92.5	145.9	-27.2 -25.9	1.9 1.8 1.8 1.8	2.25 2.20 2.38 2.37	42.0 42.0 42.0 42.2	39.9 39.9 39.9 40.1	77.7	0.0	23.6	100.0	56.1	95.3	79.1	793.6	0.10	0.07	1.1851 1.1852 1.1853 1.1854 1.1855 1.1856 1.1857 1.1858 1.1859 1.1860 1.1861 1.1862 1.1863 1.1864 1.1865 1.1866 1.1867 1.1868 1.1869 1.1870 1.1871 1.1872 1.1873 1.1874 1.1875 1.1876 1.1877 1.1878 1.1879 1.1880 1.1881 1.1882 1.1883 1.1884 1.1885 1.1886 1.1887 1.1888 1.1889 1.1890 1.1891 1.1892 1.1893 1.1894 1.1895 1.1896 1.1897 1.1898 1.1899 1.1900
12:52:00	1462.76	1610.76	89.3	146.6	-23.6 -21.4	1.8 1.8 1.8	2.33 2.30 2.30 2.17	42.1 41.9 42.6 42.3	40.0 39.8 40.4 40.1	77.4	0.0	23.6	99.8	56.1	95.3	79.7	797.1	0.09	0.07	1.1901 1.1902 1.1903 1.1904 1.1905 1.1906 1.1907 1.1908 1.1909 1.1910 1.1911 1.1912 1.1913 1.1914 1.1915 1.1916 1.1917 1.1918 1.1919 1.1920 1.1921 1.1922 1.1923 1.1924 1.1925 1.1926 1.1927 1.1928 1.1929 1.1930 1.1931 1.1932 1.1933 1.1934 1.1935 1.1936 1.1937 1.1938 1.1939 1.1940 1.1941 1.1942 1.1943 1.1944 1.1945 1.1946 1.1947 1.1948 1.1949 1.1950
12:52:01	1444.44	1592.44	85.8	145.9	-19.8 -20.2	1.5 1.1 0.6 0.4	2.15 2.20 2.38 2.45	42.9 42.4 43.6 43.1	40.6 40.3 41.3 40.8	77.3	0.0	23.6	99.8	56.0	95.3	79.1	791.2	0.08	0.08	1.1951 1.1952 1.1953 1.1954 1.1955 1.1956 1.1957 1.1958 1.1959 1.1960 1.1961 1.1962 1.1963 1.1964 1.1965 1.1966 1.1967 1.1968 1.1969 1.1970 1.1971 1.1972 1.1973 1.1974 1.1975 1.1976 1.1977 1.1978 1.1979 1.1980 1.1981 1.1982 1.1983 1.1984 1.1985 1.1986 1.1987 1.1988 1.1989 1.1990 1.1991 1.1992 1.1993 1.1994 1.1995 1.1996 1.1997 1.1998 1.1999 1.2000
12:52:02	1434.67	1582.67	81.9	145.6	-21.3 -21.8	0.4 0.7 1.1 1.4	2.66 2.46 2.45 2.32	44.9 48.2 48.4 48.3	42.4 45.2 45.4 45.3	77.5	0.0	23.6	100.3	56.1	95.3	79.1	790.9	0.08	0.08	1.2001 1.2002 1.2003 1.2004 1.2005 1.2006 1.2007 1.2008 1.2009 1.2010 1.2011 1.2012 1.2013 1.2014 1.2015 1.2016 1.2017 1.2018 1.2019 1.2020 1.2021 1.2022 1.2023 1.2024 1.2025 1.2026 1.2027 1.2028 1.2029 1.2030 1.2031 1.2032 1.2033 1.2034 1.2035 1.2036 1.2037 1.2038 1.2039 1.2040 1.2041 1.2042 1.2043 1.2044 1.2045 1.2046 1.2047 1.2048 1.2049 1.2050
12:52:03	1413.92	1561.92	79.5	146.2	-21.4 -20.0	1.4 1.4 1.5	2.33 2.31 2.39 2.33	47.6 47.9 46.7 45.6	44.8 44.4 43.9 43.2	77.7	0.0	23.6	100.3	56.1	95.3	79.1	798.5	0.09	0.09	1.2051 1.2052 1.2053 1.2054 1.2055 1.2056 1.2057 1.2058 1.2059 1.2060 1.2061 1.2062 1.2063 1.2064 1.2065 1.2066 1.2067 1.2068 1.2069 1.2070 1.2071 1.2072 1.2073 1.2074 1.2075 1.2076 1.2077 1.2078 1.2079 1.2080 1.2081 1.2082 1.2083 1.2084 1.2085 1.2086 1.2087 1.2088 1.2089 1.2090 1.2091 1.2092 1.2093 1.2094 1.2095 1.2096 1.2097 1.2098 1.2099 1.2100

Plot No. 4, Engine Data , EMB120, N256AS, DCA-95-M-A-054
 August 21, 1995, Revised: OCT 24, 1995,

LOCAL TIME	PRESSURE ALT CORR (FEET)	MSL ALTITUDE (FEET)	HEADING (DEG)	AIRSPD (KNOTS)	ROLL (DEG.)	PITCH (DEG.)	CONTROL COLM. POS (DEG.)	CTRL WHEEL (COFF) (DEG.)	CTRL WHEEL BSN (DEG.)	TORQUE RIGHT (%)	TORQUE LEFT (%)	PROP RPM (LEFT) (%)	PROP RPM (RIGHT) (%)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	FUEL FLOW LEFT (PPH)	FUEL FLOW RIGHT (PPH)	PROP IMBALNCE ENG1 (G)	PROP IMBALNCE ENG2 (G)	VERTICAL ACCEL (G'S)
12:52:23	1168.50	1316.50	28.1	135.1	-7.3 -8.4	6.9 6.2	2.20 2.42	40.6 39.8	38.7 38.0	72.9	0.0	23.6	100.5	56.5	94.7	83.8	763.7	0.09	0.09	1.0822
12:52:24	1168.50	1316.50	28.1	134.3	-8.6 -7.0	5.9 5.8	2.33 2.34	44.0 44.7	41.6 42.2	72.5	0.0	23.6	100.0	56.5	94.8	84.4	767.5	0.08	0.08	1.0825
12:52:25	1157.51	1305.51	27.4	135.2	-4.8 -3.2	5.9 6.4 6.5	2.70 2.45 3.08	43.3 43.2 42.0	41.0 40.0 39.9	74.0	0.0	23.6	100.3	56.4	94.7	83.8	771.0	0.08	0.07	1.0828
12:52:26	1153.84	1301.84	25.7	136.5	-2.5 -2.0	6.6 6.7 6.6	2.13 2.56 2.28 2.66	42.0 41.8 42.0 41.7	39.9 39.8 39.9 39.6	75.1	0.0	23.6	99.7	56.5	94.9	83.8	771.0	0.08	0.07	1.0831
12:52:27	1153.84	1301.84	23.9	130.4	-2.6 -4.7	6.8 7.0 7.5 8.1	3.00 3.02 3.09 3.54	42.0 42.3 46.0 47.5	39.9 40.1 43.4 44.6	74.5	0.0	23.6	99.8	56.5	94.9	79.1	768.6	0.08	0.09	1.0834
12:52:28	1136.75	1284.75	22.5	132.6	-7.3 -8.3	8.6 8.9 7.7	3.02 3.02 2.33	48.4 47.9 47.5 44.0	45.4 45.0 44.7 41.6	75.4	0.0	23.6	100.5	56.5	94.9	83.5	777.1	0.09	0.09	1.0837
12:52:29	1146.52	1294.52	21.4	128.9	-7.3 -6.3	7.4 7.0 6.7	3.68 3.09 2.39	42.4 40.6 38.9 38.4	40.2 38.7 38.1 36.8	74.4	0.0	23.6	100.0	56.6	94.9	79.7	777.4	0.10	0.09	1.0840
12:52:30	1144.08	1292.08	20.4	130.4	-6.2 -6.6	6.8 7.4 7.8	3.93 3.03 2.58	40.2 40.0 41.3	38.3 38.4 39.3	74.5	0.0	23.6	100.2	56.5	94.9	75.0	773.6	0.09	0.09	1.0843
12:52:31	1133.09	1281.09	18.6	128.0	-7.7 -9.1	8.1 8.4 8.3	3.10 3.03 3.10	45.3 46.6 45.5	42.7 43.0 42.9	73.9	0.0	23.6	100.0	56.5	94.9	79.1	778.6	0.11	0.08	1.0846

FDR Parameter Listing

**TABULAR PRINTOUT NO. 2, EMB120, N256AS, DCA-95-M-A-064
AUGUST 21, 1995, Revised: October 25, 1995,**

Plot No. 1, Engine No. 1 lost, EMB120, N256AS, DCA-95-M-A-064
 AUGUST 21,1995, Revised: October 25, 1995,

LOCAL TIME	LATERAL ACCELERATION (G'S)	LONGITUDINAL ACC (G'S)	PROP IMBALANCE ENG1 (G)	PROP IMBALANCE ENG2 (G)	BLEED COND ENG. 1 (1-closed)	BLEED COND ENG. 2 (1-closed)	COND LVR POS ENG#1 (1-on)	COND LVR POS ENG#2 (1-on)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	NL LEFT ENGINE (%)	NL RIGHT ENGINE (%)	PITCH TRIM POSITION (DEG.)	RUDDER PEDAL POS (DEG.)	STATIC AIR TEMP (DEGC)	T6 TEMP LEFT (C)	T6 TEMP RIGHT (C)	FLAP POSITION (DEG)	PRES TO TALK 2 (1-keyed)	AIR-GND SWITCH 1-AIR 1-WOW
12:42:55	0.042	0.090	0.1	0.1	On	On	Off	Off	94.8	94.4	92.8	93.2	-1.7	-6.6	0.2	717.9	696.6	0	Off	AIR
12:42:56	0.037	0.092	0.1	0.1	On	On	Off	Off	94.7	94.4	92.8	93.2	-1.7	-6.6	0.3	717.4	697.7	0	Off	AIR
12:42:57	0.039	0.089	0.1	0.1	On	On	Off	Off	94.7	94.5	92.8	93.2	-1.7	-6.6	-1.1	720.0	694.5	0	Off	AIR
12:42:58	0.039	0.091	0.1	0.1	On	On	Off	Off	94.7	94.4	92.8	93.2	-1.6	-6.6	-0.1	717.9	697.1	0	Off	AIR
12:42:59	0.035	0.092	0.1	0.1	On	On	Off	Off	94.7	94.4	92.9	93.2	-1.6	-6.6	-0.9	715.3	696.6	0	Off	AIR
12:43:00	0.042	0.091	0.1	0.1	On	On	Off	Off	94.7	94.4	92.9	93.2	-1.7	-6.6	-0.3	716.8	697.1	0	Off	AIR
12:43:01	0.042	0.091	0.1	0.1	On	On	Off	Off	94.7	94.4	92.9	93.2	-1.7	-6.6	-0.6	715.9	695.1	0	Off	AIR
12:43:02	0.042	0.092	0.1	0.1	On	On	Off	Off	94.7	94.4	92.9	93.2	-1.7	-6.6	-0.8	718.5	696.0	0	Off	AIR
12:43:03	0.044	0.092	0.1	0.1	On	On	Off	Off	94.7	94.4	92.9	93.2	-1.2	-6.6	-0.1	717.4	696.0	0	Off	AIR
12:43:04	0.042	0.092	0.0	0.1	On	On	Off	Off	94.7	94.4	92.9	93.2	-1.2	-6.6	-0.3	717.9	696.6	0	Off	AIR
12:43:05	0.042	0.091	0.0	0.1	On	On	Off	Off	94.7	94.4	92.8	93.2	-1.3	-6.6	-0.6	717.4	694.8	0	Off	AIR
12:43:06	0.042	0.091	0.0	0.1	On	On	Off	Off	94.7	94.4	92.9	93.2	-1.3	-6.6	-0.9	716.5	696.6	0	Off	AIR
12:43:07	0.042	0.090	0.1	0.1	On	On	Off	Off	94.7	94.4	92.9	93.2	-1.3	-6.6	-0.5	717.9	696.0	0	Off	AIR
12:43:08	0.042	0.090	0.1	0.1	On	On	Off	Off	94.7	94.4	92.8	93.2	-1.2	-6.6	-1.2	717.9	696.6	0	Off	AIR
12:43:09	0.042	0.090	0.1	0.1	On	On	Off	Off	94.8	94.4	92.8	93.2	-1.3	-6.6	-0.9	715.9	696.0	0	Off	AIR
12:43:10	0.042	0.090	0.1	0.1	On	On	Off	Off	94.7	94.4	92.8	93.2	-1.3	-6.6	-0.9	717.4	696.0	0	Off	AIR
12:43:11	0.042	0.091	0.1	0.1	On	On	Off	Off	94.7	94.4	92.8	93.2	-1.3	-6.6	-0.5	718.5	695.4	0	Off	AIR
12:43:12	0.042	0.090	0.1	0.1	On	On	Off	Off	94.7	94.4	92.8	93.2	-1.3	-6.6	0.0	716.5	696.6	0	Off	AIR
12:43:13	0.042	0.090	0.1	0.1	On	On	Off	Off	94.7	94.4	92.9	93.2	-1.3	-6.6	-0.8	717.4	696.0	0	Off	AIR

Plot No. 1, Engine No. 1 lost, EMB120, N256AS, DCA-95-M-A-064
 AUGUST 21, 1995, Revised: October 25, 1995.

LOCAL TIME	LATERAL ACCELERATION (G'S)	LONGITUDINAL ACC (G'S)	PROP IMBALNCE ENG1 (G)	PROP IMBALNCE ENG2 (G)	BLEED COND ENG. 1 (1-closed)	BLEED COND ENG. 2 (1-closed)	COND LVR POS ENG#1 (1-on)	COND LVR POS ENG#2 (1-on)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	NL LEFT ENGINE (%)	NL RIGHT ENGINE (%)	PITCH TRIM POSITION (DEG.)	RUDDER PEDAL POS (DEG.)	STATIC AIR TEMP (DEGC)	T6 TEMP LEFT (C)	T6 TEMP RIGHT (C)	FLAP POSITION (DEG)	PRES TO TALK 2 (1-keyed)	AIR-GND SWITCH (1-AIR 1-wow)
12:43:14	0.039	0.090	0.0	0.1	On	On	Off	Off	94.7	94.5	92.9	93.2	-1.3	-1.3	0.2	717.4	696.6		Off	AIR
12:43:15	0.037	0.091	0.1	0.1	On	On	Off	Off	94.7	94.4	92.9	93.2	-1.3	-1.3	-1.2	715.9	697.1		Off	AIR
12:43:16	0.037	0.091	0.1	0.1	On	On	Off	Off	94.7	94.4	92.8	93.2	-1.3	-1.3	-0.9	717.9	696.8		Off	AIR
12:43:17	0.039	0.090	0.1	0.1	On	On	Off	Off	94.7	94.4	92.9	93.2	-1.3	-1.3	-1.1	716.5	696.3		Off	AIR
12:43:18	0.035	0.090	0.1	0.1	On	On	Off	Off	94.7	94.4	92.8	93.2	-1.3	-1.3	-1.1	717.4	696.3		Off	AIR
12:43:19	0.037	0.090	0.1	0.1	On	On	Off	Off	94.7	94.4	92.8	93.2	-1.3	-1.3	-0.8	718.5	696.3		Off	AIR
12:43:20	0.037	0.090	0.1	0.1	On	On	Off	Off	94.7	94.4	92.8	93.2	-1.3	-1.3	-1.4	717.4	696.3		Off	AIR
12:43:21	0.033	0.089	0.1	0.1	On	On	Off	Off	94.7	94.4	92.8	93.2	-1.3	-1.3	-1.1	717.4	694.2		Off	AIR
12:43:22	0.037	0.089	0.1	0.1	On	On	Off	Off	94.7	94.4	92.8	93.2	-1.3	-1.3	-1.6	717.4	696.3		Off	AIR
12:43:23	0.037	0.090	0.1	0.1	On	On	Off	Off	94.7	94.4	92.9	93.2	-1.3	-1.3	-1.4	719.1	696.3		Off	AIR
12:43:24	0.037	0.089	0.1	0.1	On	On	Off	Off	94.7	94.4	92.9	93.2	-1.3	-1.3	-1.1	717.9	695.4		Off	AIR
12:43:25	0.037	0.090	0.1	0.1	On	On	Off	Off	94.7	94.4	92.9	93.2	-1.3	-1.3	-2.0	718.5	695.4		Off	AIR
12:43:26	0.084	0.127	0.1	0.3	On	On	Off	Off	88.1	94.4	92.8	93.2	-1.0	-1.2	-0.6	713.6	696.8		Off	AIR
12:43:27	0.154	0.073	0.2	0.3	On	On	Off	Off	79.9	94.3	83.3	93.3	-1.3	-1.3	-0.8	637.4	696.8		Off	AIR
12:43:28	0.136	0.045	0.2	0.2	On	On	Off	Off	76.5	94.4	76.1	93.3	-1.3	-1.3	-1.1	588.1	697.4		Off	AIR
12:43:29	0.040	0.046	0.1	0.1	On	On	Off	Off	74.7	94.3	71.3	93.3	-1.3	-1.3	-1.2	568.2	696.3		Off	AIR
12:43:30	0.024	0.037	0.1	0.1	On	On	Off	Off	74.1	94.4	67.7	93.3	-1.3	-1.3	-1.1	558.8	697.4		Off	AIR
12:43:31	0.060	0.022	0.1	0.1	On	On	Off	Off	73.7	94.4	63.0	93.3	-1.3	-1.3	-1.2	563.2	696.3		Off	AIR
12:43:32	0.028	0.028	0.1	0.1	On	On	Off	Off	73.3	94.3	62.2	93.3	-1.3	-1.3	-2.2	560.6	696.3		Off	AIR

Plot No. 1, Engine No. 1 lost, EMB120, N256AS, DCA-95-M-A-064
 AUGUST 21, 1995, Revised: October 25, 1995,

LOCAL TIME	LATERAL ACCELERATION (G'S)	LONGITUDINAL ACC (G'S)	PROP IMBALANCE ENG1 (G)	PROP IMBALANCE ENG2 (G)	BLEED COND ENG. 1 (1-closed)	BLEED COND ENG. 2 (1-closed)	COND LVR POS ENG#1 (1-on)	COND LVR POS ENG#2 (1-on)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	NL LEFT ENGINE (%)	NL RIGHT ENGINE (%)	PITCH TRIM POSITION (DEG.)	RUDDER PEDAL POS (DEG.)	STATIC AIR TEMP (DEGC)	T6 TEMP LEFT (C)	T6 TEMP RIGHT (C)	FLAP POSITION (DEG)	PRES TO TALK 2 (1-keyed)	AIR-GND SWITCH (1-AIR 1-wow)
12:43:33	-0.024 -0.015 -0.015	-0.024 -0.021	0.1	0.1	On	On	Off	Off	72.9	94.4	61.1	93.3	-1.3 -1.3	-1.1	557.4	696.8		Off	AIR	
12:43:34	-0.015 -0.011 -0.022	-0.021 -0.021	0.1	0.1	On	On	Off	Off	72.6	94.3	60.1	93.2	-1.3 -1.3	-1.2	555.6	697.4		Off	AIR	
12:43:35	-0.022 -0.024 -0.011	-0.016 -0.037	0.1	0.1	Off	On	Off	Off	72.4	94.4	58.3	93.2	-1.3 -1.2	-1.2	553.6	696.8		Off	AIR	
12:43:36	-0.011 -0.026 -0.023	-0.022 -0.040	0.1	0.1	Off	On	Off	Off	72.4	94.3	58.3	93.2	-1.3 -1.3	-1.1	552.4	697.4		Off	AIR	
12:43:37	-0.023 -0.026 -0.017	-0.036 -0.031	0.1	0.1	Off	On	Off	Off	72.9	94.4	58.6	93.1	-1.3 -1.3	-0.1	544.8	696.3		Off	AIR	
12:43:38	-0.017 -0.025 -0.021	-0.044 -0.032	0.1	0.1	Off	On	Off	Off	73.2	94.3	58.8	93.1	-1.3 -1.3	-0.8	535.1	697.4		Off	AIR	
12:43:39	-0.021 -0.028 -0.023	-0.040 -0.039	0.1	0.1	Off	On	Off	Off	73.3	94.3	59.0	93.1	-1.2 -1.2	-0.6	527.5	696.8		Off	AIR	
12:43:40	-0.023 -0.025 -0.015	-0.034 -0.047	0.1	0.1	Off	On	Off	Off	73.3	94.3	59.0	93.1	-1.3 -1.3	0.2	516.6	695.7		Off	AIR	
12:43:41	-0.015 -0.021 -0.029	-0.032 -0.048	0.1	0.1	Off	On	Off	Off	73.1	94.4	59.0	93.1	-1.3 -1.3	-0.5	507.0	696.8		Off	AIR	
12:43:42	-0.029 -0.011 -0.025	-0.044 -0.042	0.1	0.1	Off	On	Off	Off	73.0	94.3	58.9	93.1	-1.3 -1.3	-0.1	501.7	696.3		Off	AIR	
12:43:43	-0.011 -0.033 -0.011	-0.059 -0.049	0.1	0.1	Off	On	Off	Off	72.7	94.3	58.7	93.1	-1.3 -1.3	0.5	492.9	694.2		Off	AIR	
12:43:44	-0.011 -0.039 -0.016	-0.057 -0.086	0.1	0.1	Off	On	Off	Off	72.4	93.6	58.6	92.6	-1.3 -1.3	0.5	485.9	688.6		Off	AIR	
12:43:45	-0.016 -0.025 -0.025	-0.053 -0.091	0.1	0.2	Off	On	Off	Off	72.1	93.6	58.4	92.3	-1.3 -1.2	1.0	479.4	684.0		Off	AIR	
12:43:46	-0.025 -0.048 -0.021	-0.055 -0.062	0.2	0.2	Off	On	Off	Off	71.8	93.6	58.3	92.2	-1.3 -1.3	0.8	473.0	684.8		Off	AIR	
12:43:47	-0.030 -0.011 -0.033	-0.067 -0.072	0.2	0.2	Off	On	Off	Off	71.6	93.5	58.2	92.1	-1.3 -1.3	1.1	467.4	682.2		Off	AIR	
12:43:48	-0.019 -0.011 -0.013	-0.067 -0.068	0.1	0.1	Off	On	Off	Off	71.3	93.5	58.1	92.1	-1.2 -1.2	0.3	461.5	683.4		Off	AIR	
12:43:49	-0.017 -0.013 -0.033	-0.056 -0.073	0.1	0.1	Off	On	Off	Off	71.1	93.5	58.1	92.1	-1.3 -1.3	0.8	458.3	682.8		Off	AIR	
12:43:50	-0.017 -0.011 -0.024	-0.076 -0.058	0.1	0.1	Off	On	Off	Off	70.9	93.5	58.0	92.1	-1.3 -1.3	1.3	454.5	682.2		Off	AIR	
12:43:51	-0.024 -0.036	-0.074	0.1	0.1	Off	On	Off	Off	70.7	93.6	58.0	92.1	-1.3	0.2	449.5	682.8		Off	AIR	

Plot No. 1, Engine No. 1 lost, EMB120, N256AS, DCA-95-M-A-064
 AUGUST 21, 1995, Revised: October 25, 1995.

LOCAL TIME	LATERAL ACCELERATION (G'S)	LONGITUDINAL ACC (G'S)	PROP IMBALNCE (G1)	PROP IMBALNCE (G2)	BLEED COND ENG. 1 (1-closed)	BLEED COND ENG. 2 (1-closed)	COND LVR POS ENG#1 (1-on)	COND LVR POS ENG#2 (1-on)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	NL LEFT ENGINE (%)	NL RIGHT ENGINE (%)	PITCH TRIM POSITION (DEG.)	RUDDER PEDAL POS (DEG.)	STATIC AIR TEMP (DEGC)	T6 TEMP LEFT (C)	T6 TEMP RIGHT (C)	FLAP POSITION (DEG)	PRES TO TALK 2 (1-keyed)	AIR-GND SWITCH (1-AIR 1-wow)
	0.029	-0.076											-1.3	-1.4						
12:43:52	-0.001	-0.069	0.1	0.1	Off	On	Off	Off	70.5	93.5	57.8	92.1	-1.2	-1.3	1.1	443.7	682.8		Off	AIR
12:43:53	-0.001	-0.091	0.1	0.1	Off	On	Off	Off	70.2	93.6	57.6	92.0	-1.2	-1.3	1.6	438.4	680.7		Off	AIR
12:43:54	-0.001	-0.086	0.1	0.1	Off	On	Off	Off	69.9	93.5	57.4	92.1	-1.3	-1.3	1.1	434.6	680.7		Off	AIR
12:43:55	-0.001	-0.087	0.1	0.1	Off	On	Off	Off	69.7	93.8	57.2	92.6	-1.3	-1.3	2.2	430.8	684.8		Off	AIR
12:43:56	-0.001	-0.094	0.1	0.1	Off	On	Off	Off	69.5	94.1	57.0	92.7	-1.3	-1.3	2.2	427.0	688.6		Off	AIR
12:43:57	-0.001	-0.089	0.1	0.1	Off	On	On	Off	69.3	94.1	56.8	92.7	-1.2	-1.3	2.2	422.0	686.6		Off	AIR
12:43:58	-0.001	-0.091	0.1	0.1	Off	On	On	Off	69.1	94.1	56.6	92.7	-1.2	-1.2	1.1	418.8	688.6		Off	AIR
12:43:59	-0.001	-0.095	0.1	0.1	Off	On	On	Off	69.0	94.1	56.4	92.7	-1.2	-1.3	2.5	417.3	689.8		Off	AIR
12:44:00	-0.001	-0.093	0.1	0.1	Off	On	On	Off	68.9	94.1	56.3	92.7	-1.2	-1.2	2.2	415.5	687.8		Off	AIR
12:44:01	-0.001	-0.100	0.1	0.1	Off	On	On	Off	68.8	94.1	56.2	92.7	-1.3	-1.3	2.5	412.9	689.2		Off	AIR
12:44:02	-0.001	-0.099	0.1	0.1	Off	On	On	Off	68.7	94.2	56.0	92.7	-1.3	-1.3	2.7	408.5	687.2		Off	AIR
12:44:03	-0.001	-0.101	0.1	0.1	Off	On	On	Off	68.6	94.2	55.8	92.7	-1.3	-1.3	3.2	407.9	687.2		Off	AIR
12:44:04	-0.001	-0.089	0.1	0.1	Off	On	On	Off	68.3	94.1	55.7	92.7	-1.3	-1.3	2.5	404.1	687.8		Off	AIR
12:44:05	-0.001	-0.105	0.1	0.1	Off	On	On	Off	68.2	94.1	55.5	92.7	-1.3	-1.2	3.0	404.1	689.8		Off	AIR
12:44:06	-0.001	-0.103	0.1	0.1	Off	On	On	Off	68.1	94.1	55.4	92.6	-1.3	-1.3	3.3	402.6	687.2		Off	AIR
12:44:07	-0.001	-0.100	0.1	0.1	Off	On	On	Off	68.0	94.1	55.2	92.7	-1.3	-1.3	3.5	403.2	686.6		Off	AIR
12:44:08	-0.001	-0.101	0.1	0.1	Off	On	On	Off	67.9	94.2	55.1	92.7	-1.3	-1.3	4.0	398.8	687.2		Off	AIR
12:44:09	-0.001	-0.103	0.1	0.1	Off	On	On	Off	67.9	94.1	55.0	92.6	-1.3	-1.3	4.0	398.2	687.2		Off	AIR

Plot No. 1, Engine No. 1 lost, EMB120, N256AS, DCA-95-M-A-064
 AUGUST 21, 1995, Revised: October 25, 1995.

LOCAL TIME	LATERAL ACCELERATION (G'S)	LONGITUDINAL ACC (G'S)	PROP IMBALNCE (G1)	PROP IMBALNCE (G2)	BLEED COND ENG. 1 (1-closed)	BLEED COND ENG. 2 (1-closed)	COND LVR POS ENG#1 (1-on)	COND LVR POS ENG#2 (1-on)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	NL LEFT ENGINE (%)	NL RIGHT ENGINE (%)	PITCH POSITION (DEG.)	BUDGER POS (DEG.)	STATIC AIR TEMP (DEGC)	T6 TEMP LEFT (C)	T6 TEMP RIGHT (C)	FLAP POSITION (DEG)	PRES TO TALK 2 (1-keyed)	AIR-GND SWITCH (1-AIR 1-WOW)
12:44:10	0.003	-0.112	0.1	0.1	Off	On	On	Off	67.8	94.1	54.9	92.6	-1.3	-1.3	3.8	395.6	687.2		Off	AIR
12:44:11	0.007	-0.110	0.1	0.1	Off	On	On	Off	67.7	94.1	54.7	92.6	-1.3	-1.3	3.8	393.8	687.8		Off	AIR
12:44:12	0.001	-0.111	0.1	0.1	Off	On	On	Off	67.6	94.1	54.6	92.6	-1.3	-1.3	4.3	395.6	686.0		Off	AIR
12:44:13	0.005	-0.102	0.1	0.1	Off	On	On	Off	67.5	94.1	54.4	92.6	-1.3	-1.3	4.1	391.2	687.8		Off	AIR
12:44:14	0.018	-0.106	0.1	0.1	Off	On	On	Off	67.5	94.2	54.3	92.6	-1.3	-1.3	3.8	388.6	686.6		Off	AIR
12:44:15	0.020	-0.117	0.1	0.1	Off	On	On	Off	67.4	94.1	54.2	92.6	-1.3	-1.3	4.0	391.8	686.6		Off	AIR
12:44:16	0.003	-0.110	0.1	0.1	Off	On	On	Off	67.4	94.1	54.0	92.6	-1.3	-1.3	4.0	390.6	686.6		Off	AIR
12:44:17	0.028	-0.107	0.1	0.1	Off	On	On	Off	67.3	94.1	53.9	92.6	-1.3	-1.3	3.2	389.2	686.0		Off	AIR
12:44:18	0.005	-0.108	0.1	0.1	Off	On	On	Off	67.2	94.1	53.8	92.6	-1.3	-1.3	4.0	386.8	687.2		Off	AIR
12:44:19	0.005	-0.110	0.1	0.1	Off	On	On	Off	67.1	94.2	53.6	92.6	-1.3	-1.3	4.0	385.9	685.4		Off	AIR
12:44:20	0.007	-0.108	0.1	0.1	Off	On	On	Off	67.0	94.1	53.5	92.6	-1.3	-1.3	4.3	385.9	684.8		Off	AIR
12:44:21	0.015	-0.101	0.1	0.1	Off	On	On	Off	67.0	94.1	53.4	92.6	-1.3	-1.3	4.0	384.5	686.6		Off	AIR
12:44:22	0.026	-0.095	0.1	0.1	Off	On	On	Off	66.9	94.1	53.3	92.6	-1.3	-1.3	4.7	385.9	686.6		Off	AIR
12:44:23	0.034	-0.102	0.1	0.1	Off	On	On	Off	66.9	94.1	53.3	92.6	-1.3	-1.3	4.4	383.9	687.2		Off	AIR
12:44:24	0.030	-0.103	0.1	0.1	Off	On	On	Off	66.9	94.2	53.2	92.6	-1.3	-1.3	4.3	381.5	687.8		Off	AIR
12:44:25	0.015	-0.099	0.1	0.1	Off	On	On	Off	66.8	94.1	53.1	92.6	-1.3	-1.3	5.2	381.5	684.8		Off	AIR
12:44:26	0.005	-0.111	0.1	0.1	Off	On	On	Off	66.7	94.1	53.0	92.6	-1.3	-1.3	5.5	382.7	685.4		KEY	AIR
12:44:27	0.019	-0.110	0.1	0.1	Off	On	On	Off	66.6	94.1	52.8	92.5	-1.3	-1.3	4.3	379.5	684.0		KEY	AIR
12:44:28	0.003	-0.102	0.1	0.1	Off	On	On	Off	66.5	94.1	52.7	92.5	-1.3	-1.3	4.7	380.1	686.0		KEY	AIR

Plot No. 1, Engine No. 1 lost, EMB120, N256AS, DCA-95-M-A-064
 AUGUST 21, 1995, Revised: October 25, 1995,

LOCAL TIME	LATERAL ACCELERATION (G'S)	LONGITUDINAL ACC (G'S)	PROP IMBALANCE ENG1 (G)	PROP IMBALANCE ENG2 (G)	BLEED COND ENG. 1 (1-closed)	BLEED COND ENG. 2 (1-closed)	COND LVR POS ENG#1 (1-on)	COND LVR POS ENG#2 (1-on)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	NL LEFT ENGINE (%)	NL RIGHT ENGINE (%)	PITCH TRIM POSITION (DEG.)	RUDDER PEDAL POS (DEG.)	STATIC AIR TEMP (DEGC)	T6 TEMP LEFT (C)	T6 TEMP RIGHT (C)	FLAP POSITION (DEG)	PRES TO TALK 2 (1-keyed)	AIR-GND SWITCH 1-AIR (1-wow)
12:44:29	0.011	-0.105	0.1	0.1	Off	On	On	Off	66.5	94.1	52.6	92.6	-1.2	0.0	5.7	378.9	687.2	0.0	KEY	AIR
12:44:30	0.005	-0.104	0.1	0.1	Off	On	On	Off	66.4	94.1	52.6	92.6	-1.2	0.0	5.5	378.9	685.7	0.0	KEY	AIR
12:44:31	0.005	-0.096	0.1	0.1	Off	On	On	Off	66.4	94.1	52.4	92.5	-1.2	0.0	4.9	380.1	685.7	0.0	Off	AIR
12:44:32	0.003	-0.103	0.1	0.1	Off	On	On	Off	66.3	94.2	52.4	92.5	-1.3	0.0	6.2	379.5	684.5	0.0	Off	AIR
12:44:33	0.007	-0.108	0.1	0.1	Off	On	On	Off	66.3	94.1	52.3	92.5	-1.2	0.0	5.5	376.8	685.7	0.0	Off	AIR
12:44:34	0.008	-0.110	0.1	0.1	Off	On	On	Off	66.3	94.1	52.2	92.5	-1.3	0.0	5.9	376.8	686.3	0.0	Off	AIR
12:44:35	0.009	-0.110	0.1	0.1	Off	On	On	Off	66.1	94.1	52.1	92.5	-1.3	0.0	6.6	375.7	686.3	0.0	KEY	AIR
12:44:36	0.009	-0.112	0.1	0.1	Off	On	On	Off	66.0	94.2	51.9	92.5	-1.2	0.0	5.9	371.9	684.5	0.0	Off	AIR
12:44:37	0.003	-0.098	0.1	0.1	Off	On	On	Off	65.9	94.1	51.8	92.5	-1.3	0.0	5.7	374.5	684.5	0.0	Off	AIR
12:44:38	0.005	-0.096	0.1	0.1	Off	On	On	Off	65.8	94.2	51.8	92.5	-1.3	0.0	6.5	373.0	683.1	0.0	Off	AIR
12:44:39	0.008	-0.100	0.1	0.1	Off	On	On	Off	65.9	94.2	51.8	92.5	-1.2	0.0	6.8	373.6	684.5	0.0	Off	AIR
12:44:40	0.003	-0.102	0.1	0.1	Off	On	On	Off	65.8	94.2	51.7	92.5	-1.3	0.0	6.5	371.9	685.7	0.0	Off	AIR
12:44:41	0.003	-0.113	0.1	0.1	Off	On	On	Off	65.7	94.2	51.6	91.8	-1.3	0.0	6.8	373.6	677.2	0.0	Off	AIR
12:44:42	0.003	-0.123	0.1	0.1	Off	On	On	Off	65.7	91.8	51.5	89.0	-1.2	0.0	7.0	372.5	649.1	0.0	Off	AIR
12:44:43	0.003	-0.124	0.1	0.1	Off	On	On	Off	65.5	90.5	51.3	88.1	-1.3	0.0	6.6	369.8	638.2	0.0	Off	AIR
12:44:44	0.007	-0.119	0.1	0.1	Off	On	On	Off	65.4	90.3	51.2	87.7	-1.3	0.0	7.6	369.8	630.6	0.0	Off	AIR
12:44:45	0.009	-0.124	0.1	0.1	Off	On	On	Off	65.3	90.2	51.0	87.6	-1.3	0.0	7.0	369.2	628.0	0.0	Off	AIR
12:44:46	0.007	-0.127	0.1	0.1	Off	On	On	Off	65.1	90.1	50.9	87.5	-1.3	0.0	8.4	367.5	623.0	0.0	Off	AIR
12:44:47	0.021	-0.127	0.1	0.1	Off	On	On	Off	65.0	90.1	50.7	87.4	-1.3	0.0	7.0	366.6	623.0	0.0	Off	AIR

Plot No. 1, Engine No. 1 lost, EMB120, N256AS, DCA-95-M-A-064
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LOCAL TIME	LATERAL ACCELERATION ACC (G'S)	LONGITUDINAL ACC (G'S)	PROP IMBALANCE EN#1 (G)	PROP IMBALANCE EN#2 (G)	BLEED COND ENG. 1 (1-closed)	BLEED COND ENG. 2 (1-closed)	COND LVR POS EN#1 (1-on)	COND LVR POS EN#2 (1-on)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	NL LEFT ENGINE (%)	NL RIGHT ENGINE (%)	PITCH TRIM POSITION (DEG.)	RUDDER PEDAL POS (DEG.)	STATIC AIR TEMP (DEGC)	T6 TEMP LEFT (C)	T6 TEMP RIGHT (C)	FLAP POSITION (DEG)	PRES TO TALK 2 (1-keyed)	AIR-END SWITCH (1-wow)
12:44:48	-0.013	-0.115	0.1	0.1	Off	On	On	Off	64.8	90.1	50.6	87.4	-1.3	-0.000	7.9	370.4	623.0		Off	AIR
12:44:49	-0.009	-0.168	0.1	0.2	Off	On	On	Off	64.7	90.0	50.4	86.3	-1.3	-0.000	7.7	365.4	601.3		Off	AIR
12:44:50	-0.024	-0.147	0.1	0.2	Off	On	On	Off	64.7	86.9	50.3	82.6	-1.3	-0.000	7.6	366.0	570.5		Off	AIR
12:44:51	-0.013	-0.181	0.1	0.2	Off	On	On	Off	64.8	84.6	50.2	80.9	-1.3	-0.000	8.1	368.1	560.3		Off	AIR
12:44:52	-0.024	-0.154	0.1	0.2	Off	On	On	Off	64.8	84.4	50.2	80.2	-1.3	-0.000	8.2	367.5	555.3		Off	AIR
12:44:53	-0.024	-0.169	0.1	0.2	Off	On	On	Off	64.8	84.4	50.2	79.8	-1.3	-0.000	7.6	367.5	552.1		Off	AIR
12:44:54	-0.038	-0.127	0.1	0.2	Off	On	On	Off	64.8	84.3	50.1	79.5	-1.2	-0.000	8.2	367.5	550.0		Off	AIR
12:44:55	-0.024	-0.142	0.1	0.2	Off	On	On	Off	64.8	84.2	50.1	79.3	-1.2	-0.000	7.9	367.5	547.7		Off	AIR
12:44:56	-0.032	-0.157	0.1	0.2	Off	On	On	Off	64.8	84.2	50.0	79.2	-1.1	-0.000	7.1	369.5	548.3		Off	AIR
12:44:57	-0.027	-0.123	0.1	0.2	Off	On	On	Off	64.8	84.1	50.0	79.1	-1.1	-0.000	8.5	368.9	545.1		Off	AIR
12:44:58	-0.019	-0.156	0.1	0.2	Off	On	On	Off	64.7	84.0	49.9	79.0	-1.2	-0.000	8.4	367.5	543.0		Off	AIR
12:44:59	-0.034	-0.129	0.1	0.2	Off	On	On	Off	64.7	84.0	49.8	78.9	-1.2	-0.000	9.3	368.1	543.0		Off	AIR
12:45:00	-0.035	-0.112	0.1	0.2	Off	On	On	Off	64.7	84.0	49.8	78.8	-1.2	-0.000	8.2	368.1	539.2		Off	AIR
12:45:01	-0.035	-0.135	0.1	0.2	Off	On	On	Off	64.6	83.9	49.6	78.8	-1.2	-0.000	9.0	369.5	539.8		Off	AIR
12:45:02	-0.035	-0.144	0.1	0.2	Off	On	On	Off	64.6	83.9	49.6	78.7	-1.1	-0.000	8.7	369.2	538.3		Off	AIR
12:45:03	-0.019	-0.108	0.1	0.2	Off	On	On	Off	64.6	83.9	49.6	78.7	-1.1	-0.000	8.8	370.4	535.7		Off	AIR
12:45:04	-0.046	-0.120	0.1	0.2	Off	On	On	Off	64.5	83.9	49.5	78.6	-1.1	-0.000	8.4	370.4	536.8		Off	AIR
12:45:05	-0.048	-0.144	0.1	0.2	Off	On	On	Off	64.6	83.8	49.5	78.6	-1.2	-0.000	8.7	371.3	534.5		Off	AIR
12:45:06	-0.022	-0.128	0.1	0.2	Off	On	On	Off	64.5	83.8	49.4	78.5	-1.2	-0.000	8.7	372.5	534.5		Off	AIR

Plot No. 1, Engine No. 1 lost, EMB120, N256AS, DCA-95-M-A-064
 AUGUST 21, 1995, Revised: October 25, 1995,

LOCAL TIME	LATERAL ACCELERATION (G'S)	LONGITUDINAL ACC (G'S)	PROP IMBALANCE ENG1 (G)	PROP IMBALANCE ENG2 (G)	BLEED COND ENG. 1 (1-closed)	BLEED COND ENG. 2 (1-closed)	COND. LVR POS ENG#1 (1-on)	COND. LVR POS ENG#2 (1-on)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	NL LEFT ENGINE (%)	NL RIGHT ENGINE (%)	PITCH TRIM POSITION (DEG.)	RUDDER POS (DEG.)	STATIC AIR TEMP (DEGC)	T6 TEMP LEFT (C)	T6 TEMP RIGHT (C)	FLAP POSITION (DEG)	PRES TO TALK 2 (1-keyed)	AIR-GND SWITCH (1-AIR 1-wow)
12:45:25	-0.020	-0.015	0.1	0.1	Off	On	On	Off	64.0	94.0	48.6	91.7	-2.2	-2.3	9.0	372.7	659.3		Off	AIR
12:45:26	-0.018	-0.011	0.1	0.1	Off	On	On	Off	64.0	94.1	48.5	91.9	-2.2	-2.2	9.2	371.9	661.4		Off	AIR
12:45:27	-0.017	-0.013	0.1	0.1	Off	On	On	Off	64.0	94.1	48.6	91.9	-2.3	-2.2	9.2	371.9	664.6		Off	AIR
12:45:28	-0.015	-0.012	0.1	0.1	Off	On	On	Off	63.9	94.1	48.5	92.0	-2.2	-2.2	9.6	373.9	667.0		Off	AIR
12:45:29	-0.013	-0.009	0.1	0.1	Off	On	On	Off	63.9	94.1	48.5	92.0	-2.2	-2.3	9.3	373.3	667.0		Off	AIR
12:45:30	-0.022	-0.007	0.1	0.1	Off	On	On	Off	63.9	94.1	48.4	92.2	-2.2	-2.2	10.7	374.5	670.2		Off	AIR
12:45:31	-0.023	-0.007	0.1	0.1	Off	On	On	Off	63.9	94.4	48.4	92.4	-2.3	-2.2	9.2	371.9	674.9		Off	AIR
12:45:32	-0.014	-0.007	0.1	0.1	Off	On	On	Off	63.9	94.6	48.3	92.7	-2.2	-2.2	9.0	372.7	676.6		Off	AIR
12:45:33	-0.013	-0.006	0.1	0.1	Off	On	On	Off	63.8	94.8	48.3	92.8	-2.2	-2.2	10.1	373.9	679.3		Off	AIR
12:45:34	-0.015	-0.009	0.1	0.1	Off	On	On	Off	63.8	94.8	48.3	92.8	-2.2	-2.1	9.8	372.7	680.4		Off	AIR
12:45:35	-0.011	-0.012	0.1	0.1	Off	On	On	Off	63.7	94.9	48.3	92.9	-2.2	-2.2	8.8	374.5	681.9		Off	AIR
12:45:36	-0.011	-0.019	0.1	0.1	Off	On	On	Off	63.7	94.9	48.2	93.0	-2.2	-2.1	10.0	373.3	682.5		Off	AIR
12:45:37	-0.011	-0.015	0.1	0.1	Off	On	On	Off	63.6	94.9	48.1	93.0	-2.1	-2.2	8.7	373.3	683.1		Off	AIR
12:45:38	-0.011	-0.016	0.1	0.1	Off	On	On	Off	63.6	94.9	48.1	93.0	-2.2	-2.1	9.0	374.5	683.7		Off	AIR
12:45:39	-0.011	-0.013	0.1	0.1	Off	On	On	Off	63.6	94.9	48.0	93.0	-2.2	0.1	9.3	371.9	683.7		Off	AIR
12:45:40	-0.011	-0.006	0.1	0.1	Off	On	On	Off	63.6	94.9	48.0	93.0	3.0	2.7	9.3	372.7	684.8		Off	AIR
12:45:41	-0.011	-0.003	0.1	0.1	Off	On	On	Off	63.6	94.9	48.0	93.0	2.8	2.8	9.8	373.3	686.3		Off	AIR
12:45:42	-0.011	-0.007	0.1	0.1	Off	On	On	Off	63.6	94.9	48.0	93.1	3.5	3.5	9.6	370.7	684.8		Off	AIR
12:45:43	-0.011	-0.012	0.1	0.1	Off	On	On	Off	63.6	94.9	48.0	93.1	3.5	3.5	9.2	370.7	685.7		Off	AIR

Plot No. 1, Engine No. 1 lost, EMB120, N256AS, DCA-95-M-A-064
 AUGUST 21, 1995, Revised: October 25, 1995,

LOCAL TIME	LATERAL ACCELERATION (G'S)	LONGITUDINAL ACC (G'S)	PROP IMBALANCE ENGI1 (G)	PROP IMBALANCE ENGI2 (G)	BLEED COND ENG. 1 (1-closed)	BLEED COND ENG. 2 (1-closed)	COND. LVR POS ENGI1 (1-on)	COND. LVR POS ENGI2 (1-on)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	NL LEFT ENGINE (%)	NL RIGHT ENGINE (%)	PITCH TRIM POSITION (DEG.)	BUDDER PEDAL POS (DEG.)	STATIC AIR TEMP (DEGC)	T6 TEMP LEFT (C)	T6 TEMP RIGHT (C)	FLAP POSITION (DEG)	PRES TO TALK 2 (1-keyed)	AIR-GND SWITCH (1-wow)
12:45:44	-0.003	-0.008	0.1	0.1	Off	On	On	Off	63.5	95.4	47.9	93.3	3.5	3.5	9.3	371.3	691.9		Off	AIR
12:45:45	-0.016	-0.018	0.1	0.1	Off	On	On	Off	63.4	95.7	47.9	93.8	3.5	3.5	9.3	370.4	698.9		Off	AIR
12:45:46	-0.016	-0.014	0.1	0.1	Off	On	On	Off	63.4	95.8	47.8	94.1	3.5	3.5	10.3	372.2	700.1		Off	AIR
12:45:47	-0.016	-0.018	0.1	0.1	Off	On	On	Off	63.3	95.8	47.7	94.2	3.8	3.7	9.3	371.0	701.8		Off	AIR
12:45:48	-0.018	-0.018	0.1	0.1	Off	On	On	Off	63.2	95.9	47.6	94.3	3.7	3.7	9.8	369.5	703.3		Off	AIR
12:45:49	-0.019	-0.015	0.1	0.1	Off	On	On	Off	63.2	95.9	47.6	94.3	3.7	3.7	9.6	369.5	703.3		Off	AIR
12:45:50	-0.015	-0.016	0.1	0.1	Off	On	On	Off	63.2	95.9	47.5	94.3	3.7	3.7	9.5	369.5	704.5		Off	AIR
12:45:51	-0.018	-0.018	0.1	0.1	Off	On	On	Off	63.1	95.9	47.5	94.3	3.8	3.8	10.6	370.4	705.9		Off	AIR
12:45:52	-0.019	-0.020	0.1	0.1	Off	On	On	Off	63.1	95.8	47.5	94.4	3.7	3.7	10.1	369.5	705.1		Off	AIR
12:45:53	-0.020	-0.020	0.1	0.1	Off	On	On	Off	63.1	95.9	47.4	94.4	3.8	3.8	9.8	371.0	704.5		Off	AIR
12:45:54	-0.018	-0.021	0.1	0.1	Off	On	On	Off	63.1	95.9	47.3	94.4	3.8	3.8	10.7	369.5	703.9		Off	AIR
12:45:55	-0.021	-0.020	0.1	0.1	Off	On	On	Off	63.0	95.9	47.3	94.4	3.8	3.7	10.0	369.5	706.5		Off	AIR
12:45:56	-0.019	-0.013	0.1	0.1	Off	On	On	Off	63.0	95.9	47.3	94.4	3.8	3.8	10.4	370.1	705.1		Off	AIR
12:45:57	-0.014	-0.016	0.1	0.1	Off	On	On	Off	62.9	95.9	47.2	94.4	4.9	4.7	10.7	371.9	704.5		Off	AIR
12:45:58	-0.019	-0.014	0.1	0.1	Off	On	On	Off	62.9	95.8	47.2	94.4	4.7	4.7	10.3	369.5	705.9		Off	AIR
12:45:59	-0.020	-0.018	0.1	0.1	Off	On	On	Off	62.9	95.9	47.2	94.4	4.7	4.7	11.2	370.1	705.9		Off	AIR
12:46:00	-0.016	-0.015	0.1	0.1	Off	On	On	Off	62.8	95.9	47.2	94.4	4.6	4.6	9.6	370.1	705.1		Off	AIR
12:46:01	-0.015	-0.015	0.1	0.1	Off	On	On	Off	62.8	95.8	47.1	94.4	5.8	5.8	10.3	371.3	707.7		KEY	AIR
12:46:02	-0.014	-0.012	0.1	0.1	Off	On	On	Off	62.8	95.9	47.1	94.4	5.8	5.8	11.2	371.3	708.9		KEY	AIR

Plot No. 1, Engine No. 1 lost, EMB120, N256AS, DCA-95-M-A-064
 AUGUST 21,1995, Revised: October 25, 1995,

LOCAL TIME	LATERAL ACCELERATION (G'S)	LONGITUDINAL ACC (G'S)	PROP IMBALANCE ENG1 (G)	PROP IMBALANCE ENG2 (G)	BLEED COND ENG. 1 (1-closed)	BLEED COND ENG. 2 (1-closed)	COND LVR POS ENG#1 (1-on)	COND LVR POS ENG#2 (1-on)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	NL LEFT ENGINE (%)	NL RIGHT ENGINE (%)	PITCH TRIM POSITION (DEG.)	RUDDER PEDAL POS (DEG.)	STATIC AIR TEMP (DEGC)	T6 TEMP LEFT (C)	T6 TEMP RIGHT (C)	FLAP POSITION (DEG)	PRES TO TALK 2 (1-keyed)	AIR-GND SWITCH (1=AIR 1-wow)
12:46:03	0.011	-0.013	0.1	0.1	Off	On	On	Off	62.7	95.8	47.0	94.4	5.8	5.8	11.5	368.1	707.7		KEY	AIR
12:46:04	0.013	-0.014	0.1	0.1	Off	On	On	Off	62.7	95.8	47.0	94.4	5.8	5.7	10.7	368.9	706.5		Off	AIR
12:46:05	0.018	-0.013	0.1	0.1	Off	On	On	Off	62.7	95.9	46.9	94.4	5.8	5.8	10.7	368.9	709.7		Off	AIR
12:46:06	0.011	-0.011	0.1	0.1	Off	On	On	Off	62.7	95.9	46.9	94.4	5.8	5.7	11.5	370.4	707.7		Off	AIR
12:46:07	0.030	-0.009	0.1	0.1	Off	On	On	Off	62.6	95.9	46.9	94.4	5.7	5.7	11.5	370.4	707.7		Off	AIR
12:46:07	0.015	-0.007	0.1	0.1	Off	On	On	Off	62.5	95.9	46.8	94.4	5.8	5.8	11.2	368.9	708.9		Off	AIR
12:46:08	0.022	-0.003	0.1	0.1	Off	On	On	Off	62.5	95.9	46.8	94.4	5.8	5.7	10.3	368.4	710.3		Off	AIR
12:46:09	0.011	-0.002	0.1	0.1	Off	On	On	Off	62.5	95.9	46.8	94.4	5.3	5.3	11.2	368.4	710.3		Off	AIR
12:46:10	0.020	-0.006	0.1	0.1	Off	On	On	Off	62.5	95.9	46.8	94.4	5.3	5.3	11.2	368.4	710.3		Off	AIR
12:46:10	0.020	-0.004	0.1	0.1	Off	On	On	Off	62.4	95.8	46.7	94.4	5.3	5.4	11.1	370.4	709.7		Off	AIR
12:46:11	0.033	0.000	0.1	0.1	Off	On	On	Off	62.4	95.9	46.7	94.9	5.3	5.3	10.4	370.4	714.7		Off	AIR
12:46:11	0.026	0.010	0.1	0.1	Off	On	On	Off	62.4	95.9	46.7	94.9	5.3	5.3	10.4	370.4	714.7		Off	AIR
12:46:12	0.032	0.008	0.1	0.1	Off	On	On	Off	62.4	96.9	46.6	96.1	5.3	5.3	11.5	369.5	729.4		Off	AIR
12:46:12	0.042	0.006	0.1	0.1	Off	On	On	Off	62.4	96.9	46.6	96.1	5.3	5.3	11.5	369.5	729.4		Off	AIR
12:46:13	0.044	0.006	0.1	0.1	Off	On	On	Off	62.4	97.6	46.6	96.4	5.3	5.3	10.9	369.5	733.2		Off	AIR
12:46:14	0.046	0.006	0.1	0.1	Off	On	On	Off	62.4	97.6	46.6	96.4	5.3	5.3	10.9	369.5	733.2		Off	AIR
12:46:14	0.038	0.009	0.1	0.1	Off	On	On	Off	62.4	97.6	46.6	96.5	5.4	5.3	10.4	370.4	735.8		KEY	AIR
12:46:15	0.022	0.004	0.1	0.1	Off	On	On	Off	62.4	97.6	46.6	96.5	5.3	5.3	11.1	368.9	737.9		KEY	AIR
12:46:15	0.036	0.004	0.1	0.1	Off	On	On	Off	62.4	97.6	46.6	96.5	5.3	5.3	11.1	368.9	737.9		KEY	AIR
12:46:16	0.030	0.008	0.1	0.1	Off	On	On	Off	62.3	97.6	46.5	96.5	5.3	5.3	11.8	368.9	738.5		KEY	AIR
12:46:16	0.036	0.010	0.1	0.1	Off	On	On	Off	62.3	97.6	46.5	96.5	5.3	5.3	11.8	368.9	738.5		KEY	AIR
12:46:17	0.054	0.009	0.1	0.2	Off	On	On	Off	62.3	97.6	46.5	96.5	5.3	5.3	11.7	368.9	739.0		KEY	AIR
12:46:17	0.048	0.006	0.1	0.2	Off	On	On	Off	62.3	97.6	46.5	96.5	5.3	5.3	11.7	368.9	739.0		KEY	AIR
12:46:18	0.030	0.009	0.1	0.1	Off	On	On	Off	62.2	97.6	46.5	96.5	5.4	5.3	10.7	370.1	738.5		KEY	AIR
12:46:18	0.030	0.004	0.1	0.1	Off	On	On	Off	62.2	97.6	46.5	96.5	5.3	5.3	10.7	370.1	738.5		KEY	AIR
12:46:19	0.030	0.004	0.1	0.1	Off	On	On	Off	62.2	97.7	46.4	96.5	5.3	5.3	11.2	369.5	737.0		KEY	AIR
12:46:19	0.024	0.004	0.1	0.1	Off	On	On	Off	62.2	97.7	46.4	96.5	5.3	5.3	11.2	369.5	737.0		KEY	AIR
12:46:20	0.034	0.005	0.1	0.1	Off	On	On	Off	62.2	97.6	46.4	96.6	5.3	5.3	10.9	370.1	739.0		Off	AIR
12:46:20	0.030	0.007	0.1	0.1	Off	On	On	Off	62.2	97.6	46.4	96.6	5.3	5.3	10.9	370.1	739.0		Off	AIR
12:46:21	0.032	0.007	0.1	0.1	Off	On	On	Off	62.2	97.7	46.3	96.6	5.3	5.3	10.9	369.5	739.6		Off	AIR
12:46:21	0.032	0.007	0.1	0.1	Off	On	On	Off	62.2	97.7	46.3	96.6	5.3	5.3	10.9	369.5	739.6		Off	AIR

Plot No. 1, Engine No. 1 lost, EMB120, N256AS, DCA-95-M-A-064
 AUGUST 21,1995, Revised: October 25, 1995,

LOCAL TIME	LATERAL ACCELERATION (G'S)	LONGITUDINAL ACC (G'S)	PROP IMBALANCE ENG1 (G)	PROP IMBALANCE ENG2 (G)	BLEED COND ENG. 1 (1-closed)	BLEED COND ENG. 2 (1-closed)	COND LVR POS ENG#1 (1-on)	COND LVR POS ENG#2 (1-on)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	NL LEFT ENGINE (%)	NL RIGHT ENGINE (%)	PITCH TRIM POSITION (DEG.)	RUDDER TRIM POSITION (DEG.)	STATIC AIR TEMP (DEGC)	T6 TEMP LEFT (C)	T6 TEMP RIGHT (C)	FLAP POSITION (DEG)	PRES TO TALK 2 (1-keyed)	AIR-GND SWITCH (1-AIR 1-wow)
	0.038	0.007											5.3							
12:46:22	0.006	0.007	0.1	0.1	Off	On	On	Off	62.1	97.6	46.2	96.6	5.3		11.8	370.7	739.6		Off	AIR
12:46:23	0.006	0.004	0.1	0.1	Off	On	On	Off	62.1	97.6	46.2	96.6	5.3		11.4	371.3	741.1		Off	AIR
12:46:24	0.004	0.003	0.1	0.1	Off	On	On	Off	62.1	97.7	46.2	96.6	5.3		10.7	371.3	741.7		Off	AIR
12:46:25	0.005	0.011	0.1	0.1	Off	On	On	Off	62.0	97.7	46.2	96.6	5.3		11.4	369.5	739.6		Off	AIR
12:46:26	0.013	0.010	0.1	0.1	Off	On	On	Off	62.0	97.7	46.2	96.6	5.3		11.5	371.9	741.1		Off	AIR
12:46:27	0.005	0.004	0.1	0.1	Off	On	On	Off	62.0	97.6	46.1	96.5	5.4		10.9	371.3	741.1		Off	AIR
12:46:28	0.002	0.005	0.1	0.1	Off	On	On	Off	62.0	97.6	46.1	96.6	5.3		11.5	373.9	739.6		KEY	AIR
12:46:29	0.005	0.006	0.1	0.1	Off	On	On	Off	61.9	97.7	46.1	96.6	5.4		11.7	370.7	741.1		KEY	AIR
12:46:30	0.002	0.000	0.1	0.1	Off	On	On	Off	61.9	97.7	46.1	96.5	5.3		11.2	371.9	739.6		Off	AIR
12:46:31	0.001	0.002	0.1	0.1	Off	On	On	Off	61.9	97.7	46.0	96.6	5.3		11.4	371.3	741.7		Off	AIR
12:46:32	0.002	0.001	0.1	0.1	Off	On	On	Off	61.8	97.6	46.0	96.5	5.3		12.2	371.3	740.2		Off	AIR
12:46:33	0.000	0.000	0.1	0.1	Off	On	On	Off	61.8	97.6	45.9	96.5	5.4		11.8	370.7	741.7		Off	AIR
12:46:34	0.002	0.002	0.1	0.1	Off	On	On	Off	61.8	97.6	45.9	96.5	5.3		11.5	371.3	740.2		Off	AIR
12:46:35	0.001	0.001	0.1	0.1	Off	On	On	Off	61.8	97.6	45.9	96.5	5.3		11.7	370.1	741.1		Off	AIR
12:46:36	0.006	0.007	0.1	0.1	Off	On	On	Off	61.8	97.6	45.8	96.5	5.3		12.0	370.1	742.9		Off	AIR
12:46:37	0.008	0.003	0.1	0.1	Off	On	On	Off	61.7	97.6	45.8	96.5	5.3		11.5	370.7	740.2		Off	AIR
12:46:38	0.003	0.004	0.1	0.1	Off	On	On	Off	61.6	97.6	45.7	96.5	5.4		12.5	371.6	741.1		Off	AIR
12:46:39	0.000	0.001	0.1	0.1	Off	On	On	Off	61.6	97.6	45.7	96.5	5.3		12.8	368.9	740.2		Off	AIR

Plot No. 1, Engine No. 1 lost, EMB120, N256AS, DCA-95-M-A-064
 AUGUST 21, 1995, Revised: October 25, 1995,

LOCAL TIME	LATERAL ACCELERATION (G'S)	LONGITUDINAL ACC (G'S)	PROP IMBALANCE ENG1 (G)	PROP IMBALANCE ENG2 (G)	BLEED COND ENG. 1 (1-closed)	BLEED COND ENG. 2 (1-closed)	COND LVR POS ENG#1 (1-on)	COND LVR POS ENG#2 (1-on)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	NL LEFT ENGINE (%)	NL RIGHT ENGINE (%)	PITCH TRIM POSITION (DEG.)	RUDDER PEDAL POS (DEG.)	STATIC AIR TEMP (DEGC)	T6 TEMP LEFT (C)	T6 TEMP RIGHT (C)	FLAP POSITION (DEG)	PRES TO TALK 2 (1-keyed)	AIR-GND SWITCH (1-wow)
12:46:59	-0.036	-0.027	0.1	0.1	Off	On	On	Off	60.7	97.2	44.7	96.0	5.8	5.8	13.9	364.2	734.9		KEY	AIR
12:47:00	-0.034	-0.030	0.1	0.1	Off	On	On	Off	60.6	97.2	44.7	95.9	5.8	5.7	13.1	364.8	733.2		KEY	AIR
12:47:01	-0.034	-0.033	0.1	0.1	Off	On	On	Off	60.6	97.2	44.6	96.0	5.7	5.8	13.4	364.8	734.7		Off	AIR
12:47:02	-0.034	-0.030	0.1	0.1	Off	On	On	Off	60.5	97.2	44.5	96.0	5.7	5.7	13.1	363.7	734.1		Off	AIR
12:47:03	-0.034	-0.034	0.1	0.1	Off	On	On	Off	60.5	97.3	44.4	96.0	5.7	5.7	12.8	363.7	733.2		Off	AIR
12:47:04	-0.034	-0.033	0.1	0.1	Off	On	On	Off	60.5	97.2	44.4	96.0	5.6	5.7	13.3	364.2	732.6		Off	AIR
12:47:05	-0.034	-0.036	0.1	0.1	Off	On	On	Off	60.4	97.2	44.3	95.9	5.7	5.7	12.3	363.7	733.2		Off	AIR
12:47:06	-0.034	-0.037	0.1	0.1	Off	On	On	Off	60.4	97.1	44.2	95.8	5.7	5.6	13.1	364.8	734.1		Off	AIR
12:47:07	-0.034	-0.034	0.1	0.1	Off	On	On	Off	60.3	97.1	44.2	95.8	5.7	5.7	12.2	365.7	731.4		KEY	AIR
12:47:08	-0.034	-0.032	0.1	0.1	Off	On	On	Off	60.3	97.1	44.2	95.8	5.7	5.7	13.1	364.8	730.8		KEY	AIR
12:47:09	-0.034	-0.028	0.1	0.1	Off	On	On	Off	60.3	97.1	44.2	95.8	5.6	5.7	13.4	365.7	732.0		KEY	AIR
12:47:10	-0.034	-0.034	0.1	0.1	Off	On	On	Off	60.2	97.1	44.1	95.8	5.7	5.6	12.9	365.1	731.4		KEY	AIR
12:47:11	-0.034	-0.034	0.1	0.1	Off	On	On	Off	60.2	97.1	44.1	95.8	5.6	5.7	13.7	364.5	731.4		Off	AIR
12:47:12	-0.034	-0.031	0.1	0.1	Off	On	On	Off	60.1	97.0	44.0	95.7	5.7	5.7	13.7	365.1	730.0		Off	AIR
12:47:13	-0.034	-0.031	0.1	0.1	Off	On	On	Off	60.1	96.9	44.0	95.6	5.7	5.7	12.6	364.5	727.3		Off	AIR
12:47:14	-0.034	-0.030	0.1	0.1	Off	On	On	Off	60.1	96.9	44.0	95.6	5.7	5.7	13.7	366.0	727.3		Off	AIR
12:47:15	-0.034	-0.032	0.1	0.1	Off	On	On	Off	60.1	96.9	43.9	95.5	5.7	5.7	13.1	366.0	727.3		Off	AIR
12:47:16	-0.034	-0.031	0.1	0.1	Off	On	On	Off	60.1	96.9	43.9	95.5	5.8	5.8	13.1	364.5	728.8		Off	AIR
12:47:17	-0.034	-0.030	0.1	0.1	Off	On	On	Off	60.0	96.9	43.8	95.5	5.7	5.7	14.1	365.1	726.7		Off	AIR

LOCAL TIME	LATERAL ACCELERATION (G'S)	LONGITUDINAL ACC (G'S)	PROP IMBALANCE ENG1 (G)	PROP IMBALANCE ENG2 (G)	BLEED COND ENG. 1 (1-closed)	BLEED COND ENG. 2 (1-closed)	COND LVR POS ENG#1 (1-on)	COND LVR POS ENG#2 (1-on)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	NL LEFT ENGINE (%)	NL RIGHT ENGINE (%)	PITCH TRIM POSITION (DEG.)	RUDDER PEDAL POS (DEG.)	STATIC AIR TEMP (DEGC)	T6 TEMP LEFT (C)	T6 TEMP RIGHT (C)	FLAP POSITION (DEG)	PRES TO TALK 2 (1-keyed)	AIR-GND SWITCH (1-AIR 1-wow)
12:47:18	-0.046	-0.031	0.1	0.1	Off	On	On	Off	60.0	96.9	43.8	95.5	5.7	5.8	13.9	366.0	726.2		Off	AIR
12:47:19	-0.044	-0.028	0.1	0.1	Off	On	On	Off	60.0	96.9	43.8	95.5	5.8	5.7	13.1	364.5	726.7		Off	AIR
12:47:20	-0.044	-0.025	0.1	0.1	Off	On	On	Off	59.9	96.9	43.7	95.5	5.8	5.8	13.1	365.1	727.3		Off	AIR
12:47:21	-0.042	-0.022	0.1	0.1	Off	On	On	Off	59.9	96.9	43.7	95.5	5.8	5.8	13.7	365.4	728.8		Off	AIR
12:47:22	-0.042	-0.026	0.1	0.1	Off	On	On	Off	59.9	97.0	43.7	95.5	5.7	5.8	13.9	366.6	728.2		Off	AIR
12:47:23	-0.042	-0.025	0.1	0.1	Off	On	On	Off	59.9	96.9	43.7	95.6	5.7	5.7	13.1	366.6	728.8		KEY	AIR
12:47:24	-0.042	-0.024	0.1	0.1	Off	On	On	Off	59.9	97.0	43.7	95.6	5.8	5.7	14.5	367.5	727.6		Off	AIR
12:47:25	-0.041	-0.021	0.1	0.1	Off	On	On	Off	59.9	97.0	43.7	95.5	5.8	5.8	13.9	366.0	727.0		Off	AIR
12:47:26	-0.041	-0.023	0.1	0.1	Off	On	On	Off	59.9	96.9	43.7	95.4	5.8	5.7	13.4	366.6	725.6		Off	AIR
12:47:27	-0.041	-0.022	0.1	0.1	Off	On	On	Off	59.8	96.8	43.6	95.4	5.8	5.8	14.1	366.0	725.0		Off	AIR
12:47:28	-0.041	-0.023	0.1	0.1	Off	On	On	Off	59.8	96.8	43.6	95.3	5.8	5.8	14.1	366.0	724.4		Off	AIR
12:47:29	-0.041	-0.021	0.1	0.1	Off	On	On	Off	59.8	96.8	43.5	95.3	5.8	5.7	14.2	366.6	722.9		Off	AIR
12:47:30	-0.040	-0.015	0.1	0.1	Off	On	On	Off	59.7	96.8	43.5	95.3	5.8	5.8	14.7	365.4	723.8		Off	AIR
12:47:31	-0.040	-0.015	0.1	0.1	Off	On	On	Off	59.7	96.8	43.5	95.3	5.7	5.8	14.4	368.1	722.3		Off	AIR
12:47:32	-0.040	-0.016	0.1	0.1	Off	On	On	Off	59.6	96.8	43.4	95.4	5.7	5.7	13.7	366.9	723.8		Off	AIR
12:47:33	-0.040	-0.018	0.1	0.1	Off	On	On	Off	59.6	96.8	43.4	95.4	5.8	5.7	13.4	366.3	722.3		Off	AIR
12:47:34	-0.040	-0.014	0.1	0.1	Off	On	On	Off	59.6	96.8	43.4	95.4	5.8	5.8	14.1	366.3	724.4		Off	AIR
12:47:35	-0.039	-0.015	0.1	0.1	Off	On	On	Off	59.6	96.8	43.4	95.4	5.8	5.8	13.4	368.1	724.4		Off	AIR
12:47:36	-0.038	-0.018	0.1	0.1	Off	On	On	Off	59.6	96.8	43.4	95.3	5.7	5.7	13.7	366.9	722.9		Off	AIR

Plot No. 1, Engine No. 1 lost, EMB120, N256AS, DCA-95-M-A-064
 AUGUST 21,1995, Revised: October 25, 1995,

LOCAL TIME	LATERAL ACCELERATION (G'S)	LONGITUDINAL ACC (G'S)	PROP IMBALANCE EN#1 (G)	PROP IMBALANCE EN#2 (G)	BLEED COND EN# 1 (1-closed)	BLEED COND EN# 2 (1-closed)	COND. LVR POS EN#1 (1-on)	COND. LVR POS EN#2 (1-on)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	NL LEFT ENGINE (%)	NL RIGHT ENGINE (%)	PITCH TRIM POSITION (DEG.)	RUDDER PEDAL POS (DEG.)	STATIC AIR TEMP (DEGC)	T6 TEMP LEFT (C)	T6 TEMP RIGHT (C)	FLAP POSITION (DEG)	PRES TO TALK 2 (1-keyed)	AIR-GND SWITCH (1-wow)
12:47:55	-0.044	-0.009	0.1	0.1	Off	On	On	Off	60.8	96.7	43.4	95.3	5.7	5.6	15.5	352.8	722.6		Off	AIR
12:47:56	-0.046	-0.009	0.1	0.1	Off	On	On	Off	60.7	96.7	43.4	95.3	5.7	5.7	15.3	352.8	724.7		Off	AIR
12:47:57	-0.049	-0.004	0.1	0.1	Off	On	On	Off	60.8	96.6	43.3	95.1	5.7	5.7	15.8	354.0	722.1		Off	AIR
12:47:58	-0.050	-0.013	0.1	0.1	Off	On	On	Off	60.7	96.6	43.3	95.0	5.7	5.7	15.0	354.9	719.4		Off	AIR
12:47:59	-0.051	-0.003	0.1	0.1	Off	On	On	Off	60.7	96.6	43.3	95.1	5.7	5.7	15.0	355.5	721.5		KEY	AIR
12:48:00	-0.052	-0.001	0.1	0.1	Off	On	On	Off	60.7	96.7	43.3	95.0	5.7	5.7	15.2	356.0	720.0		KEY	AIR
12:48:01	-0.053	-0.003	0.1	0.1	Off	On	On	Off	60.7	96.7	43.2	95.0	5.7	5.7	14.8	357.8	720.9		Off	AIR
12:48:02	-0.054	-0.005	0.1	0.1	Off	On	On	Off	60.6	96.7	43.2	95.0	5.7	5.8	15.0	356.0	721.5		Off	AIR
12:48:03	-0.055	-0.002	0.1	0.1	Off	On	On	Off	60.6	96.7	43.2	95.0	5.7	5.7	29.7	354.0	718.8		Off	AIR
12:48:04	-0.056	-0.001	0.1	0.1	Off	On	On	Off	60.6	96.4	43.1	96.1	5.7	5.8	14.4	355.8	729.7		Off	AIR
12:48:05	-0.057	-0.006	0.1	0.1	Off	On	On	Off	60.5	96.6	43.1	96.4	5.8	5.7	14.7	356.3	736.1		Off	AIR
12:48:06	-0.058	-0.008	0.1	0.1	Off	On	On	Off	60.5	96.6	43.1	96.3	5.7	5.7	15.3	354.6	737.3		KEY	AIR
12:48:07	-0.059	-0.003	0.1	0.1	Off	On	On	Off	60.5	96.6	43.0	96.2	5.7	5.7	16.6	354.0	735.5		KEY	AIR
12:48:08	-0.060	-0.008	0.1	0.1	Off	On	On	Off	60.5	96.6	43.0	95.8	5.7	5.8	15.3	354.6	733.5		KEY	AIR
12:48:09	-0.061	-0.013	0.1	0.1	Off	On	On	Off	60.5	96.6	43.0	95.1	5.8	5.8	15.0	355.8	723.2		Off	AIR
12:48:10	-0.062	-0.013	0.1	0.1	Off	On	On	Off	60.5	96.6	43.0	95.0	5.8	5.7	16.3	355.8	720.0		Off	AIR
12:48:11	-0.063	-0.001	0.1	0.1	Off	On	On	Off	60.4	96.6	43.0	94.9	5.8	5.8	15.8	355.2	718.8		Off	AIR
12:48:12	-0.064	0.001	0.1	0.1	Off	On	On	Off	60.4	96.6	43.0	94.9	5.8	5.7	15.3	355.2	718.8		Off	AIR
12:48:13	-0.065	-0.002	0.1	0.1	Off	On	On	Off	60.4	96.6	43.0	94.9	5.8	5.8	16.4	354.0	717.7		KEY	AIR

LOCAL TIME	LATERAL ACCELERATION (G'S)	LONGITUDINAL ACC (G'S)	PROP IMBALANCE ENGI (G)	PROP IMBALANCE ENG2 (G)	BLEED COND ENG. 1 (1-closed)	BLEED COND ENG. 2 (1-closed)	COND LVR POS ENG#1 (1-on)	COND LVR POS ENG#2 (1-on)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	NL LEFT ENGINE (%)	NL RIGHT ENGINE (%)	PITCH TRIM POSITION (DEG.)	RUDDER PEDAL POS (DEG.)	STATIC AIR TEMP (DEGC)	T6 TEMP LEFT (C)	T6 TEMP RIGHT (C)	FLAP POSITION (DEG)	PRES TO TALK 2 (1-keyed)	AIR-GND SWITCH (1-wow)
12:48:33	-0.044 -0.032 -0.027 -0.022 -0.017 -0.012 -0.007 -0.002	0.009 -0.002	0.1	0.1	Off	On	On	Off	60.0	96.4	42.5	94.6	5.7 5.7	5.0 5.0	16.6	355.8	712.1		Off	AIR
12:48:34	-0.081 -0.077 -0.072 -0.067 -0.062 -0.057 -0.052 -0.047	0.000 0.003	0.1	0.1	Off	On	On	Off	60.0	96.4	42.5	94.6	5.7 5.7	5.0 5.0	17.2	355.2	712.1		Off	AIR
12:48:35	-0.089 -0.087 -0.084 -0.082 -0.080 -0.078 -0.076 -0.074	0.003 -0.002	0.1	0.1	Off	On	On	Off	60.0	96.4	42.4	94.6	5.7 5.8	5.0 5.0	16.3	356.3	710.3		Off	AIR
12:48:36	-0.036 -0.033 -0.030 -0.027 -0.024 -0.021 -0.018 -0.015	0.001 -0.006	0.1	0.1	Off	On	On	Off	60.0	96.4	42.4	94.6	5.8 5.8	5.0 5.0	15.6	353.1	713.3		Off	AIR
12:48:37	-0.026 -0.022 -0.018 -0.014 -0.010 -0.006 -0.002	0.013 -0.009	0.1	0.1	Off	On	On	Off	60.0	96.4	42.4	94.6	5.8 5.8	5.0 5.0	16.7	355.5	712.1		Off	AIR
12:48:38	-0.033 -0.029 -0.025 -0.021 -0.017 -0.013 -0.009 -0.005	0.004 0.000	0.1	0.1	Off	On	On	Off	59.9	96.3	42.3	94.5	5.8 5.7	5.0 5.0	16.4	354.9	712.1		Off	AIR
12:48:39	-0.087 -0.085 -0.083 -0.081 -0.079 -0.077 -0.075 -0.073	0.001 0.009	0.1	0.1	Off	On	On	Off	59.8	96.3	42.3	94.4	5.6 5.6	5.0 5.0	15.9	354.9	709.4		Off	AIR
12:48:40	-0.072 -0.068 -0.064 -0.060 -0.056 -0.052 -0.048 -0.044	0.015 -0.005	0.1	0.1	Off	On	On	Off	59.9	96.2	42.4	94.3	5.8 5.7	5.0 5.0	16.6	355.5	707.1		Off	AIR
12:48:41	-0.074 -0.071 -0.068 -0.065 -0.062 -0.059 -0.056 -0.053	-0.015 -0.013	0.1	0.1	Off	On	On	Off	59.9	96.1	42.4	94.3	5.7 5.7	5.0 5.0	16.7	355.5	707.1		Off	AIR
12:48:42	-0.040 -0.038 -0.036 -0.034 -0.032 -0.030 -0.028 -0.026	-0.007 -0.003	0.1	0.1	Off	On	On	Off	59.9	96.1	42.3	94.2	5.8 5.8	5.0 5.0	16.1	354.3	705.6		Off	AIR
12:48:43	-0.030 -0.028 -0.026 -0.024 -0.022 -0.020 -0.018 -0.016	-0.004 0.003	0.1	0.1	Off	On	On	Off	59.7	96.1	42.2	94.2	5.9 5.9	5.0 5.0	15.6	354.9	703.9		Off	AIR
12:48:44	-0.052 -0.049 -0.046 -0.043 -0.040 -0.037 -0.034 -0.031	-0.005 -0.002	0.1	0.1	Off	On	On	Off	59.7	96.1	42.2	94.1	6.0 5.9	5.0 5.0	16.9	354.3	705.6		KEY	AIR
12:48:45	-0.054 -0.051 -0.048 -0.045 -0.042 -0.039 -0.036 -0.033	-0.005 -0.008	0.1	0.1	Off	On	On	Off	59.7	96.0	42.2	94.0	5.9 5.9	5.0 5.0	16.4	355.5	705.1		KEY	AIR
12:48:46	-0.022 -0.020 -0.018 -0.016 -0.014 -0.012 -0.010 -0.008	-0.022 -0.009	0.1	0.1	Off	On	On	Off	59.7	96.0	42.2	94.0	5.9 5.9	5.0 5.0	15.6	357.5	705.3		Off	AIR
12:48:47	-0.048 -0.046 -0.044 -0.042 -0.040 -0.038 -0.036 -0.034	-0.011 -0.016	0.1	0.1	Off	On	On	Off	59.7	95.9	42.2	93.8	5.9 5.9	5.0 5.0	16.6	354.3	701.5		Off	AIR
12:48:48	-0.087 -0.085 -0.083 -0.081 -0.079 -0.077 -0.075 -0.073	-0.023 -0.016	0.1	0.1	Off	On	On	Off	59.6	95.7	42.1	93.7	5.9 5.9	5.0 5.0	17.2	354.3	698.9		Off	AIR
12:48:49	-0.043 -0.041 -0.039 -0.037 -0.035 -0.033 -0.031 -0.029	-0.007 -0.011	0.1	0.1	Off	On	On	Off	59.6	95.6	42.1	93.6	5.9 5.9	5.0 5.0	16.4	354.3	698.3		Off	AIR
12:48:50	-0.041 -0.039 -0.037 -0.035 -0.033 -0.031 -0.029 -0.027	-0.013 -0.020	0.1	0.1	Off	On	On	Off	59.6	95.6	42.1	93.6	5.9 5.9	5.0 5.0	17.2	353.1	698.3		Off	AIR
12:48:51	-0.026 -0.024 -0.022 -0.020 -0.018 -0.016 -0.014 -0.012	-0.012	0.1	0.1	Off	On	On	Off	59.6	95.6	42.0	93.6	5.9 5.9	5.0 5.0	17.5	353.7	698.3		Off	AIR

LOCAL TIME	LATERAL ACCELERATION (G'S)	LONGITUDINAL ACC (G'S)	PROP UNBALANCE ENGL (G)	PROP UNBALANCE ENGR (G)	BLEED COND ENG. 1 (1-closed)	BLEED COND ENG. 2 (1-closed)	COND LVR POS ENG#1 (1-on)	COND LVR POS ENG#2 (1-on)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	NL LEFT ENGINE (%)	NL RIGHT ENGINE (%)	PITCH TRIM POSITION (DEG.)	RUDDER PEDAL POS (DEG.)	STATIC AIR TEMP (DEGC)	T6 TEMP LEFT (C)	T6 TEMP RIGHT (C)	FLAP POSITION (DEG)	PRES TO TALK 2 (1-keyed)	AIR-GND SWITCH (1-AIR 1-GND)
	0.050	-0.009											6.0	5.0						
12:48:52	-0.013	-0.009	0.1	0.1	Off	On	On	Off	59.5	95.6	42.0	93.6	5.9	5.9	16.9	353.1	697.1		Off	AIR
12:48:53	-0.015	-0.015	0.1	0.1	Off	On	On	Off	59.5	95.6	42.0	93.6	5.9	5.9	17.5	353.7	698.3		Off	AIR
12:48:54	-0.016	-0.018	0.1	0.1	Off	On	On	Off	59.5	95.6	41.9	93.6	5.9	5.9	18.2	353.7	697.7		Off	AIR
12:48:55	-0.011	-0.013	0.1	0.1	Off	On	On	Off	59.4	95.7	41.8	93.6	6.0	5.9	18.0	355.2	697.1		Off	AIR
12:48:56	-0.004	-0.004	0.1	0.1	Off	On	On	Off	59.4	95.7	41.8	93.6	5.9	5.9	17.2	355.2	697.7		Off	AIR
12:48:57	-0.006	-0.002	0.1	0.1	Off	On	On	Off	59.4	95.7	41.8	93.7	6.0	6.0	17.4	356.9	698.0		Off	AIR
12:48:58	-0.008	-0.012	0.1	0.1	Off	On	On	Off	59.3	95.8	41.8	93.8	5.9	6.0	18.3	356.3	698.6		Off	AIR
12:48:59	-0.008	-0.013	0.1	0.1	Off	On	On	Off	59.3	95.8	41.8	93.7	5.9	5.9	17.4	354.9	698.6		Off	AIR
12:49:00	-0.006	-0.007	0.1	0.1	Off	On	On	Off	59.3	95.8	41.8	93.7	5.9	5.9	18.3	354.3	700.7		Off	AIR
12:49:01	-0.003	-0.004	0.1	0.1	Off	On	On	Off	59.3	95.8	41.7	93.8	5.9	5.9	17.8	353.7	700.7		Off	AIR
12:49:02	-0.005	-0.005	0.1	0.1	Off	On	On	Off	59.3	95.8	41.7	93.8	5.9	5.9	17.7	357.5	700.1		Off	AIR
12:49:03	-0.006	-0.007	0.1	0.1	Off	On	On	Off	59.3	95.8	41.7	93.8	5.9	5.9	17.8	356.9	698.0		Off	AIR
12:49:04	-0.007	-0.008	0.1	0.1	Off	On	On	Off	59.2	95.8	41.7	93.8	5.9	5.9	17.8	356.3	698.6		Off	AIR
12:49:05	-0.007	-0.004	0.1	0.1	Off	On	On	Off	59.2	95.8	41.6	93.8	6.0	5.9	17.7	356.3	699.5		Off	AIR
12:49:06	-0.003	-0.003	0.1	0.1	Off	On	On	Off	59.0	95.8	41.6	93.8	5.9	5.9	18.3	357.5	700.1		Off	AIR
12:49:07	-0.001	-0.001	0.1	0.1	Off	On	On	Off	59.0	95.9	41.5	93.9	6.0	6.0	18.8	355.2	700.1		Off	AIR
12:49:08	-0.008	-0.001	0.1	0.1	Off	On	On	Off	59.0	95.9	41.5	93.9	5.9	5.9	18.9	357.2	701.5		Off	AIR
12:49:09	-0.004	-0.007	0.1	0.1	Off	On	On	Off	59.0	95.9	41.5	93.9	6.0	5.9	18.5	359.6	699.8		Off	AIR

Plot No. 1, Engine No. 1 lost, EMB120, N256AS, DCA-95-M-A-064
 AUGUST 21, 1995, Revised: October 25, 1995,

LOCAL TIME	LATERAL ACCELERATION (G'S)	LONGITUDINAL ACC (G'S)	PROP IMBALANCE ENG1 (G)	PROP IMBALANCE ENG2 (G)	BLEED COND ENG. 1 (1-closed)	BLEED COND ENG. 2 (1-closed)	COND LVR POS ENG#1 (1-on)	COND LVR POS ENG#2 (1-on)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	NL LEFT ENGINE (%)	NL RIGHT ENGINE (%)	PITCH TRIM POSITION (DEG.)	BUDDER POS (DEG.)	STATIC AIR TEMP (DEGC)	T6 TEMP LEFT (C)	T6 TEMP RIGHT (C)	FLAP POSITION (DEG)	PRES TO TALK 2 (1-keyed)	AIR-GND SWITCH (1-wow)
12:49:10	0.040	-0.003	0.1	0.1	Off	On	On	Off	59.0	95.9	41.5	93.8	5.9	5.9	18.2	357.2	701.5		Off	AIR
12:49:11	0.040	-0.001	0.1	0.1	Off	On	On	Off	59.0	95.9	41.4	93.7	5.9	5.9	19.1	360.4	701.5		Off	AIR
12:49:12	0.044	-0.004	0.1	0.1	Off	On	On	Off	59.0	95.9	41.4	93.7	6.0	6.0	18.6	360.4	702.1		Off	AIR
12:49:13	0.036	0.001	0.1	0.1	Off	On	On	Off	59.0	95.9	41.4	93.7	6.0	6.0	17.7	359.6	702.7		Off	AIR
12:49:14	0.038	0.007	0.1	0.1	Off	On	On	Off	59.0	95.9	41.4	93.7	5.9	5.9	18.6	359.0	702.1		Off	AIR
12:49:15	0.046	0.007	0.1	0.1	Off	On	On	Off	59.0	95.9	41.4	93.7	5.9	5.9	18.6	360.4	701.5		Off	AIR
12:49:16	0.044	-0.004	0.1	0.1	Off	On	On	Off	58.9	96.0	41.4	93.7	6.0	6.0	18.6	362.8	704.2		Off	AIR
12:49:17	0.038	-0.003	0.1	0.1	Off	On	On	Off	58.9	95.9	41.4	93.7	6.0	6.0	18.9	359.6	702.1		Off	AIR
12:49:18	0.038	0.002	0.1	0.1	Off	On	On	Off	58.8	96.0	41.3	93.7	5.9	5.9	19.4	359.6	702.7		Off	AIR
12:49:19	0.046	0.005	0.1	0.1	Off	On	On	Off	58.8	96.0	41.3	93.7	5.9	5.9	18.9	360.4	702.7		Off	AIR
12:49:20	0.036	0.004	0.1	0.1	Off	On	On	Off	58.8	95.9	41.3	93.7	5.9	6.0	19.1	362.2	703.9		Off	AIR
12:49:21	0.044	0.005	0.1	0.1	Off	On	On	Off	58.8	96.0	41.2	93.6	6.0	6.0	18.8	360.4	703.9		Off	AIR
12:49:22	0.038	0.009	0.1	0.1	Off	On	On	Off	58.7	95.9	41.2	93.6	5.9	5.9	19.6	361.6	703.9		Off	AIR
12:49:23	0.048	0.004	0.1	0.1	Off	On	On	Off	58.7	95.9	41.2	93.6	5.9	5.9	18.5	361.0	702.7		Off	AIR
12:49:24	0.056	0.008	0.1	0.1	Off	On	On	Off	58.7	95.9	41.2	93.7	5.9	5.9	18.9	361.0	704.5		Off	AIR
12:49:25	0.021	0.002	0.1	0.1	Off	On	On	Off	58.7	96.0	41.2	93.7	6.0	6.0	19.4	361.6	702.7		Off	AIR
12:49:26	0.030	0.012	0.1	0.1	Off	On	On	Off	58.7	96.0	41.1	93.7	6.0	6.0	18.9	361.6	705.9		Off	AIR
12:49:27	0.054	-0.005	0.1	0.1	Off	On	On	Off	58.7	96.0	41.2	93.7	6.0	6.0	18.5	362.8	704.5		Off	AIR
12:49:28	0.038	-0.009	0.1	0.1	Off	On	On	Off	58.6	96.0	41.1	93.8	6.0	6.0	18.8	361.6	705.1		Off	AIR

LOCAL TIME	LATERAL ACCELERATION (G'S)	LONGITUDINAL ACC (G'S)	PROP IMBALNCE ENG1 (G)	PROP IMBALNCE ENG2 (G)	BLEED COND ENG. 1 (1-closed)	BLEED COND ENG. 2 (1-closed)	COND LVR POS ENG#1 (1-on)	COND LVR POS ENG#2 (1-on)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	NL LEFT ENGINE (%)	NL RIGHT ENGINE (%)	PITCH TRIM POSITION (DEG.)	RUDDER POS (DEG.)	STATIC AIR TEMP (DEGC)	T6 TEMP LEFT (C)	T6 TEMP RIGHT (C)	FLAP POSITION (DEG)	PRES TO TALK 2 (1-keyed)	AIR-GND SWITCH 1=AIR 1-wow)
12:49:29	0.038	-0.022	0.1	0.1	Off	On	On	Off	58.6	96.0	41.0	93.7	6.0	5.9	18.5	363.4	703.6	0	Off	AIR
12:49:30	0.018	0.021	0.1	0.1	Off	On	On	Off	58.5	96.0	41.0	93.8	6.0	6.0	18.8	364.2	704.2	0	Off	AIR
12:49:31	0.010	0.010	0.1	0.1	Off	On	On	Off	58.6	96.0	41.0	93.7	6.0	6.0	18.9	363.4	703.6	0	Off	AIR
12:49:32	0.034	0.031	0.1	0.1	Off	On	On	Off	58.6	95.9	41.0	94.2	5.9	6.0	19.9	362.2	702.1	0	Off	AIR
12:49:33	0.027	0.027	0.1	0.1	Off	On	On	Off	58.6	95.9	41.0	94.3	6.0	5.9	18.5	364.2	702.1	0	Off	AIR
12:49:34	0.013	0.016	0.1	0.1	Off	On	On	Off	58.6	95.8	41.0	94.3	6.0	6.0	18.6	364.2	701.5	0	Off	AIR
12:49:35	0.022	0.018	0.1	0.1	Off	On	On	Off	58.6	95.8	41.0	94.2	6.0	6.0	19.7	364.8	701.0	0	Off	AIR
12:49:36	0.020	0.023	0.1	0.1	Off	On	On	Off	58.6	95.8	41.0	94.2	6.0	5.9	19.1	362.8	699.8	0	Off	AIR
12:49:37	0.017	0.017	0.1	0.1	Off	On	On	Off	58.6	95.7	41.0	94.0	5.9	5.9	19.7	363.4	698.9	0	Off	AIR
12:49:38	0.013	0.012	0.1	0.1	Off	On	On	Off	58.6	95.6	41.0	93.7	5.9	5.9	19.9	362.8	698.3	0	Off	AIR
12:49:39	0.006	0.006	0.1	0.1	Off	On	On	Off	58.5	95.6	41.0	93.4	5.9	5.9	19.9	362.5	696.0	0	Off	AIR
12:49:40	0.008	0.009	0.1	0.1	Off	On	On	Off	58.5	95.6	40.9	93.2	5.9	6.0	19.4	363.1	696.3	0	Off	AIR
12:49:41	0.009	0.009	0.1	0.1	Off	On	On	Off	58.5	95.6	40.9	93.2	5.9	5.9	19.7	362.5	697.4	0	Off	AIR
12:49:42	0.012	0.011	0.1	0.1	Off	On	On	Off	58.5	95.6	40.9	93.1	5.9	6.0	19.9	364.2	695.7	0	Off	AIR
12:49:43	0.015	0.011	0.1	0.1	Off	On	On	Off	58.4	95.6	40.8	93.1	5.9	6.0	19.4	363.1	698.9	0	Off	AIR
12:49:44	0.010	0.013	0.1	0.1	Off	On	On	Off	58.5	95.7	40.8	93.2	5.9	5.9	19.9	365.7	699.5	0	Off	AIR
12:49:45	0.012	0.008	0.1	0.1	Off	On	On	Off	58.4	95.8	40.8	93.3	5.9	5.9	20.4	362.5	697.4	0	Off	AIR
12:49:46	0.008	0.012	0.1	0.1	Off	On	On	Off	58.4	95.8	40.8	93.4	5.9	5.9	19.7	361.0	699.5	0	Off	AIR
12:49:47	0.017	0.017	0.1	0.1	Off	On	On	Off	58.4	95.8	40.8	93.4	5.9	5.9	20.4	364.2	702.7	0	Off	AIR

Plot No. 1, Engine No. 1 lost, EMB120, N256AS, DCA-95-M-A-064
 AUGUST 21, 1995, Revised: October 25, 1995,

LOCAL TIME	LATERAL ACCELERATION (G'S)	LONGITUDINAL ACC (G'S)	PROP IMBALANCE ENGI (G)	PROP IMBALANCE ENGI2 (G)	BLEED COND ENG. 1 (1-closed)	BLEED COND ENG. 2 (1-closed)	COND LVR POS ENGI#1 (1-on)	COND LVR POS ENGI#2 (1-on)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	NL LEFT ENGINE (%)	NL RIGHT ENGINE (%)	PITCH TRIM POSITION (DEG.)	RUDDER PEDAL POS (DEG.)	STATIC AIR TEMP (DEGC)	T6 TEMP LEFT (C)	T6 TEMP RIGHT (C)	FLAP POSITION (DEG)	PRES TO TALK 2 (1-keyed)	AIR-GND SWITCH 1=AIR 1-wow
12:49:48	0.050	0.012	0.009	0.1	0.1	Off	On	On	Off	58.4	95.8	40.8	93.4	5.9	20.7	362.5	700.7		Off	AIR
12:49:49	0.050	0.014	0.014	0.1	0.1	Off	On	On	Off	58.4	95.8	40.8	93.4	5.9	19.9	364.2	699.5		Off	AIR
12:49:50	0.050	0.011	0.013	0.1	0.1	Off	On	On	Off	58.4	95.8	40.7	93.4	5.9	19.9	363.4	699.5		Off	AIR
12:49:51	0.050	0.017	0.016	0.1	0.1	Off	On	On	Off	58.4	95.8	40.7	93.4	5.9	21.1	365.1	701.2		Off	AIR
12:49:52	0.050	0.014	0.016	0.1	0.1	Off	On	On	Off	58.4	95.7	40.7	93.3	5.9	20.7	361.9	700.7		KEY	AIR
12:49:53	0.050	0.013	0.014	0.1	0.1	Off	On	On	Off	58.4	95.7	40.7	93.3	5.9	20.4	364.0	699.5		Off	AIR
12:49:54	0.050	0.011	0.009	0.1	0.1	Off	On	On	Off	58.4	95.7	40.7	93.3	5.9	19.7	363.4	700.7		Off	AIR
12:49:55	0.050	0.017	0.014	0.1	0.1	Off	On	On	Off	58.3	95.7	40.7	93.3	5.9	20.2	365.7	699.5		Off	AIR
12:49:56	0.050	0.011	0.010	0.1	0.1	Off	On	On	Off	58.3	95.7	40.6	93.3	5.9	19.7	364.5	699.5		Off	AIR
12:49:57	0.050	0.006	0.009	0.1	0.1	Off	On	On	Off	58.3	95.7	40.6	93.3	5.9	20.5	364.0	701.2		Off	AIR
12:49:58	0.050	0.013	0.013	0.1	0.1	Off	On	On	Off	58.3	95.7	40.6	93.3	5.9	20.8	366.6	700.7		Off	AIR
12:49:59	0.050	0.009	0.009	0.1	0.1	Off	On	On	Off	58.2	95.7	40.5	93.3	5.9	20.2	363.4	701.2		Off	AIR
12:50:00	0.050	0.009	0.009	0.1	0.1	Off	On	On	Off	58.2	95.7	40.5	93.3	5.9	19.9	365.7	698.9		KEY	AIR
12:50:01	0.050	0.006	0.004	0.1	0.1	Off	On	On	Off	58.2	95.7	40.5	93.3	5.9	19.7	363.7	700.1		Off	AIR
12:50:02	0.050	0.010	0.008	0.1	0.1	Off	On	On	Off	58.2	95.7	40.5	93.3	5.9	20.0	363.7	698.9		Off	AIR
12:50:03	0.050	0.012	0.011	0.1	0.1	Off	On	On	Off	58.2	95.7	40.5	93.2	5.9	19.6	364.8	698.9		Off	AIR
12:50:04	0.050	0.005	0.003	0.1	0.1	Off	On	On	Off	58.2	95.7	40.5	93.1	5.9	19.6	364.8	698.9		Off	AIR
12:50:05	0.050	0.001	0.003	0.1	0.1	Off	On	On	Off	58.2	95.6	40.5	93.2	5.9	20.8	364.2	696.8		Off	AIR
12:50:06	0.018	0.010	0.010	0.1	0.1	Off	On	On	Off	58.2	95.7	40.5	93.3	5.9	19.6	363.7	699.5		KEY	AIR

Plot No. 1, Engine No. 1 lost, EMB120, N256AS, DCA-95-M-A-064
 AUGUST 21, 1995, Revised: October 25, 1995.

LOCAL TIME	LATERAL ACCELERATION (G'S)	LONGITUDINAL ACC (G'S)	PROP IMBALNCE ENG1 (G)	PROP IMBALNCE ENG2 (G)	BLEED COND ENG. 1 (1-closed)	BLEED COND ENG. 2 (1-closed)	COND LVR POS ENG#1 (1-on)	COND LVR POS ENG#2 (1-on)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	NL LEFT ENGINE (%)	NL RIGHT ENGINE (%)	PITCH TRIM POSITION (DEG.)	RUDDER PEDAL POS (DEG.)	STATIC AIR TEMP (DEGC)	T6 TEMP LEFT (C)	T6 TEMP RIGHT (C)	FLAP POSITION (DEG)	PRES TO TALK 2 (1-keyed)	AIR-GND SWITCH 1-AIR 1-WOW
	0.011	0.006											6.0							
12:50:07	0.005	0.004	0.1	0.1	Off	On	On	Off	58.2	95.7	40.4	93.3	6.0		19.6	363.1	696.8		KEY	AIR
12:50:08	0.002	0.004	0.1	0.1	Off	On	On	Off	58.2	95.7	40.5	93.2	6.0		21.0	363.7	697.4		KEY	AIR
12:50:09	0.002	0.005	0.1	0.1	Off	On	On	Off	58.1	95.7	40.5	93.3	6.0		20.2	362.5	698.0		KEY	AIR
12:50:10	0.001	0.003	0.1	0.1	Off	On	On	Off	58.1	95.7	40.4	93.3	5.9		20.0	363.1	697.4		Off	AIR
12:50:11	0.009	0.008	0.1	0.1	Off	On	On	Off	58.1	95.7	40.4	93.3	5.9		21.0	363.1	698.0		Off	AIR
12:50:12	0.011	0.009	0.1	0.1	Off	On	On	Off	58.1	95.7	40.4	93.3	5.9		21.1	361.9	696.8		Off	AIR
12:50:13	0.009	0.007	0.1	0.1	Off	On	On	Off	58.0	95.7	40.3	93.3	5.9		19.7	364.2	698.9		Off	AIR
12:50:14	0.007	0.009	0.1	0.1	Off	On	On	Off	57.9	95.7	40.3	93.2	5.9		19.9	364.2	699.5		Off	AIR
12:50:15	0.012	0.016	0.1	0.1	Off	On	On	Off	57.9	95.6	40.3	93.1	5.9		21.1	363.7	697.4		Off	AIR
12:50:16	0.013	0.015	0.1	0.1	Off	On	On	Off	57.9	95.5	40.2	93.1	5.9		20.2	363.1	697.4		Off	AIR
12:50:17	0.015	0.014	0.1	0.1	Off	On	On	Off	57.9	95.5	40.2	93.0	5.9		21.0	363.7	696.3		KEY	AIR
12:50:18	0.019	0.019	0.1	0.1	Off	On	On	Off	57.8	95.5	40.1	93.0	5.9		21.5	364.8	696.3		Off	AIR
12:50:19	0.018	0.018	0.1	0.1	Off	On	On	Off	57.8	95.5	40.1	93.0	5.9		20.8	363.1	695.7		Off	AIR
12:50:20	0.019	0.018	0.1	0.1	Off	On	On	Off	57.8	95.5	40.1	93.0	5.9		20.4	361.9	697.4		KEY	AIR
12:50:21	0.015	0.015	0.1	0.1	Off	On	On	Off	57.8	95.5	40.1	93.0	6.0		21.3	364.2	694.8		Off	AIR
12:50:22	0.023	0.017	0.1	0.1	Off	On	On	Off	57.8	95.5	40.1	92.9	5.9		21.1	364.8	694.8		Off	AIR
12:50:23	0.019	0.019	0.1	0.1	Off	On	On	Off	57.7	95.5	40.0	92.9	5.9		20.4	363.1	696.3		Off	AIR
12:50:24	0.017	0.020	0.1	0.1	Off	On	On	Off	57.7	95.4	40.1	92.9	5.9		20.7	363.7	694.2		KEY	AIR

LOCAL TIME	LATERAL ACCELERATION (G'S)	LONGITUDINAL ACC (G'S)	PROP IMBALNCE ENG1 (G)	PROP IMBALNCE ENG2 (G)	BLEED COND ENG. 1 (1-closed)	BLEED COND ENG. 2 (1-closed)	COND LVR POS ENG#1 (1-on)	COND LVR POS ENG#2 (1-on)	N1 LEFT ENGINE (%)	N1 RIGHT ENGINE (%)	N1 LEFT ENGINE (%)	N1 RIGHT ENGINE (%)	PITCH TRIM POSITION (DEG.)	BUDDER PEDAL POS (DEG.)	STATIC AIR TEMP (DEGC)	T6 TEMP LEFT (C)	T6 TEMP RIGHT (C)	FLAP POSITION (DEG)	PRES TALK 2 (1-keyed)	AIR-GND SWITCH (1-wow)
12:50:25	-0.044	-0.022	0.1	0.1	Off	On	On	Off	57.7	95.4	40.0	92.9	5.8	5.2	21.5	364.8	694.2		Off	AIR
12:50:26	-0.032	-0.019	0.1	0.1	Off	On	On	Off	57.7	95.4	40.0	92.9	5.8	5.2	20.7	363.7	693.0		Off	AIR
12:50:27	-0.032	-0.020	0.1	0.1	Off	On	On	Off	57.6	95.4	40.0	92.9	5.9	5.2	21.3	363.7	694.2		Off	AIR
12:50:28	-0.032	-0.021	0.1	0.1	Off	On	On	Off	57.6	95.4	40.0	92.9	5.8	5.2	20.5	363.7	694.2		Off	AIR
12:50:29	-0.035	-0.020	0.1	0.1	Off	On	On	Off	57.6	95.4	39.9	92.8	5.9	5.2	21.6	361.9	695.4		KEY	AIR
12:50:30	-0.034	-0.021	0.1	0.1	Off	On	On	Off	57.6	95.4	39.9	92.9	5.8	5.2	21.0	363.1	693.6		KEY	AIR
12:50:31	-0.046	-0.014	0.1	0.1	Off	On	On	Off	57.5	95.4	39.8	92.8	5.9	5.2	22.4	363.1	691.0		KEY	AIR
12:50:32	-0.032	-0.016	0.1	0.1	Off	On	On	Off	57.5	95.4	39.8	92.8	5.8	5.2	21.8	364.8	693.0		Off	AIR
12:50:33	-0.044	-0.025	0.1	0.1	Off	On	On	Off	57.5	95.3	39.8	92.8	5.8	5.2	21.6	362.5	692.5		Off	AIR
12:50:34	-0.032	-0.021	0.1	0.1	Off	On	On	Off	57.4	95.3	39.7	92.8	5.8	5.2	21.3	363.7	693.0		Off	AIR
12:50:35	-0.032	-0.022	0.1	0.1	Off	On	On	Off	57.4	95.3	39.7	92.8	5.8	5.2	22.4	364.8	692.5		Off	AIR
12:50:36	-0.032	-0.024	0.1	0.1	Off	On	On	Off	57.4	95.3	39.7	92.7	5.9	5.2	21.3	362.5	692.5		Off	AIR
12:50:37	-0.032	-0.024	0.1	0.1	Off	On	On	Off	57.3	95.3	39.6	92.7	5.9	5.2	21.9	363.7	693.0		Off	AIR
12:50:38	-0.032	-0.019	0.1	0.1	Off	On	On	Off	57.3	95.4	39.6	92.7	5.8	5.2	22.6	363.1	691.0		Off	AIR
12:50:39	-0.032	-0.022	0.1	0.1	Off	On	On	Off	57.3	95.3	39.6	92.7	5.9	5.2	21.3	363.7	692.5		Off	AIR
12:50:40	-0.032	-0.019	0.1	0.1	Off	On	On	Off	57.3	95.3	39.6	92.7	5.8	5.2	21.0	363.1	691.9		Off	AIR
12:50:41	-0.032	-0.019	0.1	0.1	Off	On	On	Off	57.3	95.3	39.6	92.7	5.9	5.2	22.4	364.8	691.9		Off	AIR
12:50:42	-0.032	-0.021	0.1	0.1	Off	On	On	Off	57.3	95.3	39.6	92.7	5.9	5.2	21.9	363.7	691.0		Off	AIR
12:50:43	-0.032	-0.024	0.1	0.1	Off	On	On	Off	57.3	95.3	39.6	92.7	5.9	5.2	21.0	365.7	689.8		KEY	AIR

LOCAL TIME	LATERAL ACCELERATION (G'S)	LONGITUDINAL ACC (G'S)	PROP IMBALANCE ENG1 (G)	PROP IMBALANCE ENG2 (G)	BLEED COND ENG. 1 (1-closed)	BLEED COND ENG. 2 (1-closed)	COND LVR POS ENG#1 (1-on)	COND LVR POS ENG#2 (1-on)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	NI LEFT ENGINE (%)	NI RIGHT ENGINE (%)	PITCH TRIM POSITION (DEG.)	RUDDER POS (DEG.)	STATIC AIR TEMP (DEGC)	T6 TEMP LEFT (C)	T6 TEMP RIGHT (C)	FLAP POSITION (DEG)	PRES TO TALK 2 (1-keyed)	AIR-GND SWITCH 1-AIR (1-wow)
12:50:44	-0.026 -0.034 -0.036 -0.036 -0.036	-0.020 -0.016	0.1	0.1	Off	On	On	Off	57.3	95.3	39.5	92.7	5.9 5.8	5.9	21.3	363.7	691.0		KEY	AIR
12:50:45	-0.026 -0.026 -0.026 -0.026 -0.026	-0.013 -0.012	0.1	0.1	Off	On	On	Off	57.2	95.3	39.5	92.7	5.9 5.9	5.9	21.9	365.7	691.0		Off	AIR
12:50:46	-0.026 -0.026 -0.026 -0.026 -0.026	-0.014 -0.020	0.1	0.1	Off	On	On	Off	57.2	95.3	39.5	92.7	5.9 5.8	5.9	21.6	364.2	690.4		Off	AIR
12:50:47	-0.026 -0.026 -0.026 -0.026 -0.026	-0.025 -0.021	0.1	0.1	Off	On	On	Off	57.3	95.3	39.5	92.7	5.9 5.9	5.9	21.3	365.7	690.4		KEY	AIR
12:50:48	-0.026 -0.026 -0.026 -0.026 -0.026	-0.020 -0.015	0.1	0.1	Off	On	On	Off	57.2	95.3	39.5	92.7	5.9 5.8	5.9	22.7	363.7	689.2		KEY	AIR
12:50:49	-0.026 -0.026 -0.026 -0.026 -0.026	-0.019 -0.016	0.1	0.1	Off	On	On	Off	57.2	95.3	39.4	92.7	5.9 5.9	5.9	21.6	364.2	689.2		Off	AIR
12:50:50	-0.026 -0.026 -0.026 -0.026 -0.026	-0.018 -0.022	0.1	0.1	Off	On	On	Off	57.1	95.3	39.4	92.7	5.9 5.9	5.9	21.1	364.8	690.4		Off	AIR
12:50:51	-0.026 -0.026 -0.026 -0.026 -0.026	-0.023 -0.016	0.1	0.1	Off	On	On	Off	57.1	95.2	39.4	92.6	5.9 5.9	5.9	22.2	363.7	689.8		Off	AIR
12:50:52	-0.026 -0.026 -0.026 -0.026 -0.026	-0.018 -0.012	0.1	0.1	Off	On	On	Off	57.0	95.2	39.3	92.6	5.9 5.9	5.9	21.1	363.1	687.8		Off	AIR
12:50:53	-0.026 -0.026 -0.026 -0.026 -0.026	-0.018 -0.018	0.1	0.1	Off	On	On	Off	57.0	95.2	39.3	92.5	5.9 5.9	5.9	20.8	363.7	687.8		Off	AIR
12:50:54	-0.026 -0.026 -0.026 -0.026 -0.026	-0.014 -0.014	0.1	0.1	Off	On	On	Off	57.1	95.2	39.3	92.4	5.9 5.9	5.9	21.8	364.2	688.1		Off	AIR
12:50:55	-0.026 -0.026 -0.026 -0.026 -0.026	-0.018 -0.022	0.1	0.1	Off	On	On	Off	57.0	95.1	39.3	92.4	5.9 5.9	5.9	21.8	363.7	687.5		Off	AIR
12:50:56	-0.026 -0.026 -0.026 -0.026 -0.026	-0.025 -0.025	0.1	0.1	Off	On	On	Off	57.0	95.1	39.3	92.4	5.9 5.9	5.9	21.0	364.2	687.5		Off	AIR
12:50:57	-0.026 -0.026 -0.026 -0.026 -0.026	-0.024 -0.022	0.1	0.1	Off	On	On	Off	57.0	95.1	39.3	92.4	5.9 5.9	5.9	21.5	364.2	687.5		KEY	AIR
12:50:58	-0.026 -0.026 -0.026 -0.026 -0.026	-0.025 -0.025	0.1	0.1	Off	On	On	Off	56.9	95.1	39.2	92.4	5.9 5.9	5.9	22.2	363.1	686.9		Off	AIR
12:50:59	-0.026 -0.026 -0.026 -0.026 -0.026	-0.025 -0.019	0.1	0.1	Off	On	On	Off	56.9	95.1	39.2	92.5	5.9 5.9	5.9	21.3	363.7	686.3		Off	AIR
12:51:00	-0.026 -0.026 -0.026 -0.026 -0.026	-0.016 -0.019	0.1	0.1	Off	On	On	Off	56.8	95.1	39.1	92.4	5.9 5.9	5.9	21.0	364.8	686.9		Off	AIR
12:51:01	-0.026 -0.026 -0.026 -0.026 -0.026	-0.014 -0.013	0.1	0.1	Off	On	On	Off	56.8	95.1	39.1	92.4	5.9 5.9	5.9	22.4	366.3	686.9		Off	AIR
12:51:02	-0.026 -0.026 -0.026 -0.026 -0.026	-0.015 -0.018	0.1	0.1	Off	On	On	Off	56.8	95.0	39.1	92.4	5.9 5.9	5.9	21.8	365.7	684.2		Off	AIR

LOCAL TIME	LATERAL ACCELERATION (G'S)	LONGITUDINAL ACC (G'S)	PROP IMBALANCE ENG1 (G)	PROP IMBALANCE ENG2 (G)	BLEED COND ENG. 1 (1-closed)	BLEED COND ENG. 2 (1-closed)	COND LVR POS ENG#1 (1-on)	COND LVR POS ENG#2 (1-on)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	NL LEFT ENGINE (%)	NL RIGHT ENGINE (%)	PITCH TRIM POSITION (DEG.)	RUDDER PEDAL POS (DEG.)	STATIC AIR TEMP (DEGC)	T6 TEMP LEFT (C)	T6 TEMP RIGHT (C)	FLAP POSITION (DEG)	PRES TO TALK 2 (1-keyed)	AIR-GND SWITCH 1=AIR 1=wow
12:51:03	0.044	-0.019	0.1	0.1	Off	On	On	Off	56.9	95.0	39.1	92.3	6.0	6.0	21.3	362.5	684.8		Off	AIR
12:51:04	0.044	-0.021	0.1	0.1	Off	On	On	Off	56.8	94.9	39.1	92.2	6.0	6.0	21.8	366.9	683.7		Off	AIR
12:51:05	0.044	-0.019	0.1	0.1	Off	On	On	Off	56.8	94.9	39.0	92.1	6.0	6.0	21.8	364.8	682.5		KEY	AIR
12:51:06	0.044	-0.014	0.1	0.1	Off	On	On	Off	56.7	94.9	39.0	92.2	5.9	5.9	21.1	363.7	683.1		KEY	AIR
12:51:07	0.044	-0.023	0.1	0.1	Off	On	On	Off	56.8	94.9	39.0	92.1	6.0	6.0	22.1	364.2	684.2		KEY	AIR
12:51:08	0.044	-0.023	0.1	0.1	Off	On	On	Off	56.8	94.9	39.0	92.2	6.0	6.0	22.6	363.7	682.5		KEY	AIR
12:51:09	0.044	-0.015	0.1	0.1	Off	On	On	Off	56.7	94.9	39.0	92.1	5.9	6.0	21.3	364.8	683.7		Off	AIR
12:51:10	0.044	-0.020	0.1	0.1	Off	On	On	Off	56.7	94.9	39.0	92.2	6.0	6.0	21.8	366.9	683.7		Off	AIR
12:51:11	0.044	-0.025	0.1	0.1	Off	On	On	Off	56.7	94.9	39.0	92.1	6.0	6.0	23.0	366.9	683.7		Off	AIR
12:51:12	0.044	-0.025	0.1	0.1	Off	On	On	Off	56.7	94.9	38.9	92.1	6.0	6.0	22.6	365.7	682.5		Off	AIR
12:51:13	0.044	-0.019	0.1	0.1	Off	On	On	Off	56.7	94.8	38.9	92.1	6.0	6.0	21.5	365.7	681.9		Off	AIR
12:51:14	0.044	-0.020	0.1	0.1	Off	On	On	Off	56.7	94.8	38.9	92.0	6.0	6.0	22.9	366.3	681.0		Off	AIR
12:51:15	0.044	-0.008	0.1	0.1	Off	On	On	Off	56.7	94.8	38.9	92.0	6.0	6.0	22.2	365.7	679.9		Off	AIR
12:51:16	0.044	-0.014	0.1	0.1	Off	On	On	Off	56.7	94.8	38.9	92.0	6.0	6.0	22.7	365.7	680.7		Off	AIR
12:51:17	0.044	-0.021	0.1	0.1	Off	On	On	Off	56.7	94.8	38.9	92.0	6.0	6.0	22.7	364.2	680.1		Off	AIR
12:51:18	0.044	-0.012	0.1	0.1	Off	On	On	Off	56.6	94.8	38.8	92.0	6.0	6.0	22.4	363.1	679.0		Off	AIR
12:51:19	0.044	-0.014	0.1	0.1	Off	On	On	Off	56.6	94.8	38.8	92.0	6.0	6.0	21.1	365.7	680.7		Off	AIR
12:51:20	0.044	-0.015	0.1	0.1	Off	On	On	Off	56.6	94.8	38.8	92.0	6.0	6.0	22.2	366.9	679.0		Off	AIR
12:51:21	0.044	-0.021	0.1	0.1	Off	On	On	Off	56.6	94.6	38.8	91.9	6.0	5.2	22.4	364.2	677.8		Off	AIR

LOCAL TIME	LATERAL ACCELERATION (G'S)	LONGITUDINAL ACC (G'S)	PROP IMBALANCE ENGI1 (G)	PROP IMBALANCE ENGI2 (G)	BLEED COND ENG. 1 (1-closed)	BLEED COND ENG. 2 (1-closed)	COND LVR POS ENGI1 (1-on)	COND LVR POS ENGI2 (1-on)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	NL LEFT ENGINE (%)	NL RIGHT ENGINE (%)	PITCH TRIM POSITION (DEG.)	RUDDER PEDAL POSITION (DEG.)	STATIC AIR TEMP (DEGC)	T6 TEMP LEFT (C)	T6 TEMP RIGHT (C)	FLAP POSITION (DEG)	PRES TO TALK 2 (1-keyed)	AIR-GND SWITCH 1-AIR 1-WOW
	0.042	-0.018											6.0	0						
12:51:22	0.042	-0.014 -0.013	0.1	0.1	Off	On	On	Off	56.5	94.6	38.7	91.9	6.0	0	21.8	365.7	678.4		Off	AIR
12:51:23	0.042	-0.008 -0.016	0.1	0.1	Off	On	On	Off	56.5	94.5	38.7	91.7	6.0	0	21.9	363.7	676.3		Off	AIR
12:51:24	0.042	-0.020 -0.020	0.1	0.1	Off	On	On	Off	56.5	94.5	38.7	91.6	6.0	0	23.0	363.1	675.8		Off	AIR
12:51:25	0.042	-0.014 -0.015	0.1	0.1	Off	On	On	Off	56.4	94.5	38.6	91.6	6.0	0	22.9	363.1	673.7		Off	AIR
12:51:26	0.042	-0.020 -0.019	0.1	0.1	Off	On	On	Off	56.4	94.4	38.6	91.6	6.0	0	22.2	364.2	676.6		Off	AIR
12:51:27	0.042	-0.018 -0.018	0.1	0.1	Off	On	On	Off	56.3	94.5	38.6	91.6	6.0	0	23.7	364.2	674.9		Off	AIR
12:51:28	0.042	-0.015 -0.016	0.1	0.1	Off	On	On	Off	56.3	94.4	38.5	91.6	6.0	0	23.2	365.4	676.6		Off	AIR
12:51:29	0.042	-0.012 -0.012	0.1	0.1	Off	On	On	Off	56.2	94.5	38.5	91.7	5.9	0	22.1	365.4	675.5		Off	AIR
12:51:30	0.042	-0.014 -0.014	0.1	0.1	Off	On	On	Off	56.3	94.5	38.5	91.7	5.9	0	23.7	368.1	676.6		Off	AIR
12:51:31	0.042	-0.007 -0.007	0.1	0.1	Off	On	On	Off	56.3	94.5	38.5	91.7	5.9	0	23.2	365.4	677.2		KEY	AIR
12:51:32	0.042	-0.006 -0.011	0.1	0.1	Off	On	On	Off	56.3	94.5	38.5	91.6	5.9	0	21.8	364.8	674.9		KEY	AIR
12:51:33	0.042	-0.012 -0.015	0.1	0.1	Off	On	On	Off	56.3	94.5	38.5	91.6	5.9	0	22.2	365.4	674.9		Off	AIR
12:51:34	0.042	-0.013 -0.016	0.1	0.1	Off	On	On	Off	56.3	94.5	38.4	91.6	5.9	0	23.7	365.4	674.0		Off	AIR
12:51:35	0.042	-0.013 -0.011	0.1	0.1	Off	On	On	Off	56.2	94.5	38.4	91.6	6.0	0	22.1	365.4	674.9		KEY	AIR
12:51:36	0.042	-0.014 -0.011	0.1	0.1	Off	On	On	Off	56.2	94.5	38.4	91.6	5.9	0	22.4	364.8	674.9		KEY	AIR
12:51:37	0.042	-0.006 -0.006	0.1	0.1	Off	On	On	Off	56.1	94.4	38.3	91.6	6.0	0	23.7	365.4	673.7		KEY	AIR
12:51:38	0.042	-0.007 -0.005	0.1	0.1	Off	On	On	Off	56.1	94.5	38.4	91.6	6.0	0	23.2	364.8	675.2		Off	AIR
12:51:39	0.042	-0.005 -0.005	0.1	0.1	Off	On	On	Off	56.2	94.5	38.3	91.6	5.9	0	22.9	365.4	673.7		Off	AIR

LOCAL TIME	LATERAL ACCELERATION (G'S)	LONGITUDINAL ACC (G'S)	PROP IMBALANCE ENG#1 (G)	PROP IMBALANCE ENG#2 (G)	BLEED COND ENG. 1 (1-closed)	BLEED COND ENG. 2 (1-closed)	COND LVR POS (1-on)	COND LVR POS (1-on)	NH FET ENGINE (%)	NH BIGHT ENGINE (%)	NL FET ENGINE (%)	NL BIGHT ENGINE (%)	PITCH TRIM POSITION (DEG.)	BUDDER PEDAL (DEG.)	STATIC AIR TEMP (DEGC)	T6 TEMP LEFT (C)	T6 TEMP RIGHT (C)	FLAP POSITION (DEG)	PRES TO TALK 2 (1-keyed)	AIR-GND SWITCH (1-wow)
12:51:40	0.046	0.001	0.1	0.1	Off	On	On	Off	56.1	94.5	38.3	91.6	5.9	0	23.8	366.6	675.8		Off	AIR
12:51:41	0.046	-0.005	0.1	0.1	Off	On	On	Off	56.1	94.5	38.3	91.6	5.9	0	24.0	369.8	674.6		Off	AIR
12:51:42	0.025	-0.001	0.1	0.1	Off	On	On	Off	56.1	94.5	38.3	91.7	5.9	0	22.6	368.6	674.6		Off	AIR
12:51:43	0.024	0.003	0.1	0.1	Off	On	On	Off	56.0	94.5	38.3	91.7	5.9	0	23.8	368.6	673.7		Off	AIR
12:51:44	0.030	0.018	0.1	0.1	Off	On	On	Off	56.0	94.6	38.3	91.7	6.0	0	24.0	371.9	674.6		Off	AIR
12:51:45	0.009	0.025	0.1	0.1	Off	On	On	Off	56.1	94.5	38.2	91.6	5.9	0	23.0	369.8	675.8		Off	AIR
12:51:46	0.020	0.015	0.1	0.1	Off	On	On	Off	56.1	94.5	38.3	91.7	5.9	0	23.4	368.6	675.8		Off	AIR
12:51:47	0.024	0.033	0.1	0.1	Off	On	On	Off	56.1	94.5	38.3	91.7	5.9	0	24.1	367.5	676.3		KEY	AIR
12:51:48	0.056	0.039	0.1	0.1	Off	On	On	Off	56.1	95.2	38.3	92.4	5.9	0	23.5	370.7	683.4		Off	AIR
12:51:49	0.021	0.045	0.1	0.1	Off	On	On	Off	56.1	95.3	38.3	92.6	6.0	0	23.2	370.1	684.8		Off	AIR
12:51:50	0.042	0.041	0.1	0.1	Off	On	On	Off	56.1	95.3	38.3	92.6	5.9	0	24.8	369.5	686.0		Off	AIR
12:51:51	0.035	0.033	0.1	0.1	Off	On	On	Off	56.1	95.3	38.3	92.6	6.0	0	23.8	370.7	686.0		Off	AIR
12:51:52	0.030	0.049	0.1	0.1	Off	On	On	Off	56.1	95.3	38.3	92.6	6.0	0	22.9	371.3	686.0		Off	AIR
12:51:53	0.029	0.039	0.1	0.1	Off	On	On	Off	56.1	95.3	38.3	92.6	6.0	0	24.1	371.3	686.0		Off	AIR
12:51:54	0.039	0.055	0.1	0.1	Off	On	On	Off	56.1	95.3	38.3	92.6	5.9	0	23.8	372.7	687.2		Off	AIR
12:51:55	0.033	0.051	0.1	0.1	Off	On	On	Off	56.1	95.3	38.3	92.6	6.0	0	22.6	369.5	686.0		Off	AIR
12:51:56	0.033	0.051	0.1	0.1	Off	On	On	Off	56.2	95.4	38.3	92.6	5.9	0	24.1	371.3	689.2		Off	AIR
12:51:57	0.030	0.056	0.1	0.1	Off	On	On	Off	56.1	95.3	38.3	92.6	5.9	0	24.1	371.9	687.8		Off	AIR
12:51:58	0.054	0.061	0.1	0.1	Off	On	On	Off	56.1	95.3	38.2	92.6	5.9	0	22.7	372.5	688.9		Off	AIR

LOCAL TIME	LATERAL ACCELERATION (G'S)	LONGITUDINAL ACC (G'S)	PROP IMBALANCE ENG1 (G)	PROP IMBALANCE ENG2 (G)	BLEED COND ENG. 1 (1-closed)	BLEED COND ENG. 2 (1-closed)	COND LVR POS ENG#1 (1-on)	COND LVR POS ENG#2 (1-on)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	NL LEFT ENGINE (%)	NL RIGHT ENGINE (%)	PITCH TRIM POSITION (DEG.)	BUDDER PEDAL (DEG.)	STATIC AIR TEMP (DEGC)	T6 TEMP LEFT (C)	T6 TEMP RIGHT (C)	FLAP POSITION (DEG)	PRES TO TALK 2 (1-keyed)	AIR-GND SWITCH 1-AIR 1-WOW (1-wow)
12:51:59	0.050 0.038	0.060 0.054	0.1	0.1	Off	On	On	Off	56.1	95.3	38.2	92.6	5.9 5.9	-4.4 -4.4	23.8	373.0	686.9	0.0	Off	AIR
12:52:00	0.056 0.072	0.056	0.1	0.1	Off	On	On	Off	56.1	95.3	38.2	92.6	5.9 5.9	-4.4 -4.4	24.8	371.3	688.9	0.0	Off	AIR
12:52:01	0.066 0.053	0.066	0.1	0.1	Off	On	On	Off	56.0	95.3	38.2	92.6	5.9 5.9	-4.4 -4.4	23.5	372.5	688.4	0.0	Off	AIR
12:52:02	0.062 0.066	0.062	0.1	0.1	Off	On	On	Off	56.1	95.3	38.2	92.6	5.9 5.9	-4.4 -4.4	22.9	369.8	686.9	0.0	Off	AIR
12:52:03	0.050 0.049	0.050	0.1	0.1	Off	On	On	Off	56.1	95.3	38.2	92.6	5.9 5.9	-4.4 -4.4	24.3	372.5	686.3	0.0	Off	AIR
12:52:04	0.050 0.060	0.050	0.1	0.1	Off	On	On	Off	56.1	95.4	38.2	92.6	5.9 5.9	-4.4 -4.4	23.5	373.0	688.9	0.0	Off	AIR
12:52:05	0.059 0.063	0.059	0.1	0.1	Off	On	On	Off	56.1	95.4	38.2	92.7	5.9 6.0	-4.4 -4.4	23.2	373.0	687.8	0.0	Off	AIR
12:52:06	0.062 0.062	0.062	0.1	0.1	Off	On	On	Off	56.1	95.4	38.2	92.7	5.9 5.9	-4.4 -4.4	23.2	372.5	687.8	0.0	Off	AIR
12:52:07	0.058 0.066	0.058	0.1	0.1	Off	On	On	Off	56.1	95.4	38.2	92.7	5.9 6.0	-4.4 -4.4	24.1	373.0	688.9	0.0	Off	AIR
12:52:08	0.081 0.086	0.081	0.1	0.1	Off	On	On	Off	56.2	95.4	38.3	94.8	6.0 5.9	-4.4 -4.4	24.0	374.5	702.4	0.0	Off	AIR
12:52:09	0.101 0.097	0.101	0.1	0.1	Off	On	On	Off	56.3	97.8	38.3	95.7	5.9 5.9	-4.4 -4.4	24.8	374.8	721.2	0.0	Off	AIR
12:52:10	0.080 0.095	0.080	0.1	0.1	Off	On	On	Off	56.4	98.1	38.4	96.0	5.9 5.9	-4.4 -4.4	24.8	377.4	727.0	0.0	Off	AIR
12:52:11	0.072 0.095	0.072	0.1	0.1	Off	On	On	Off	56.4	98.2	38.4	96.2	5.9 6.0	-4.4 -4.4	23.5	379.2	732.6	0.0	Off	AIR
12:52:12	0.082 0.083	0.082	0.1	0.1	Off	On	On	Off	56.4	98.3	38.5	96.2	5.9 5.9	-4.4 -4.4	24.8	376.0	734.7	0.0	Off	AIR
12:52:13	0.086 0.085	0.086	0.1	0.1	Off	On	On	Off	56.5	98.4	38.5	96.3	5.9 5.9	-4.4 -4.4	25.1	377.4	736.4	0.0	Off	AIR
12:52:14	0.084 0.082	0.084	0.1	0.1	Off	On	On	Off	56.5	98.4	38.5	96.2	5.9 5.9	-4.4 -4.4	23.2	377.4	734.1	0.0	Off	AIR
12:52:15	0.094 0.100	0.094	0.1	0.1	Off	On	On	Off	56.5	98.3	38.6	96.2	5.9 5.9	-4.4 -4.4	24.1	378.0	737.9	0.0	Off	AIR
12:52:16	0.093 0.025	0.093	0.1	0.1	Off	On	On	Off	56.6	98.3	38.6	92.6	5.9 5.9	-4.4 -4.4	25.1	375.4	713.6	0.0	Off	AIR
12:52:17	0.044 0.005	0.039 0.046	0.1	0.1	Off	On	On	Off	56.7	91.1	38.7	86.8	5.9 5.9	-4.4 -4.4	23.5	374.8	647.0	0.0	Off	AIR

Plot No. 1, Engine No. 1 lost, EMB120, N256AS, DCA-95-M-A-064
 AUGUST 21,1995, Revised: October 25, 1995.

LOCAL TIME	LATERAL ACCELERATION (G'S)	LONGITUDINAL ACC (G'S)	PROP UNBALNCE ENGI (G)	PROP UNBALNCE ENG2 (G)	BLEED COND ENG. 1 (1-closed)	BLEED COND ENG. 2 (1-closed)	COND LVR POS ENGI#1 (1-on)	COND LVR POS ENGI#2 (1-on)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	NL LEFT ENGINE (%)	NL RIGHT ENGINE (%)	PITCH TRIM POSITION (DEG.)	RUDDER PEDAL POS (DEG.)	STATIC AIR TEMP (DEGC)	T6 TEMP LEFT (C)	T6 TEMP RIGHT (C)	FLAP POSITION (DEG)	PRES TO TALK 2 (1-keyed)	AIR-GND SWITCH 1-AIR 1-wow
12:52:18	-0.009 -0.033 -0.056 -0.084 -0.114	0.039 0.024	0.1	0.1	Off	On	On	Off	56.7	89.7	38.7	85.4	5.9 5.9	-4.4 -4.4 -4.4 -4.4 -4.4	24.1	377.4	625.9	0.0	Off	AIR
12:52:19	-0.035 -0.032 -0.044 -0.051 -0.059	0.035 0.032	0.1	0.1	Off	On	On	Off	56.7	89.4	38.6	84.9	5.9 5.9	-4.4 -4.4 -4.4 -4.4 -4.4	25.2	375.1	616.8	0.0	Off	AIR
12:52:20	-0.020 -0.033 -0.037 -0.041 -0.045	0.054 0.079	0.1	0.1	Off	On	On	Off	56.5	89.4	38.6	87.0	5.9 5.9	-4.4 -4.4 -4.4 -4.4 -4.4	24.5	375.7	632.7	0.0	Off	AIR
12:52:21	-0.015 -0.020 -0.022 -0.024 -0.026	0.080 0.086	0.1	0.1	Off	On	On	Off	56.5	92.7	38.5	90.6	5.9 5.9	-4.4 -4.4 -4.4 -4.4 -4.4	24.1	373.0	663.1	0.0	KEY	AIR
12:52:22	-0.034 -0.048 -0.054 -0.059 -0.064	0.087 0.087	0.1	0.1	Off	On	On	Off	56.4	94.5	38.5	91.6	6.0 6.0	-4.4 -4.4 -4.4 -4.4 -4.4	25.1	376.8	674.0	0.0	Off	AIR
12:52:23	-0.050 -0.054 -0.058 -0.062 -0.066	0.078 0.076	0.1	0.1	Off	On	On	Off	56.5	94.7	38.5	91.8	6.0 6.0	-4.4 -4.4 -4.4 -4.4 -4.4	24.6	376.3	674.9	0.0	Off	AIR
12:52:24	-0.022 -0.024 -0.026 -0.028 -0.030	0.071 0.050	0.1	0.1	Off	On	On	Off	56.5	94.8	38.5	91.9	6.0 6.0	-4.4 -4.4 -4.4 -4.4 -4.4	24.5	376.3	677.2	0.0	Off	AIR
12:52:25	-0.001 -0.003 -0.005 -0.007 -0.009	0.083 0.088	0.1	0.1	Off	On	On	Off	56.4	94.7	38.5	91.9	5.9 6.0	-4.4 -4.4 -4.4 -4.4 -4.4	25.4	378.9	678.7	0.0	Off	AIR
12:52:26	-0.038 -0.042 -0.046 -0.050 -0.054	0.075 0.071	0.1	0.1	Off	On	On	Off	56.5	94.9	38.5	92.0	6.0 6.0	-4.4 -4.4 -4.4 -4.4 -4.4	24.8	373.6	677.8	0.0	Off	AIR
12:52:27	-0.020 -0.024 -0.028 -0.032 -0.036	0.078 0.102	0.1	0.1	Off	On	On	Off	56.5	94.9	38.5	92.0	6.0 6.0	-4.4 -4.4 -4.4 -4.4 -4.4	24.6	376.3	679.3	0.0	Off	AIR
12:52:28	-0.016 -0.018 -0.020 -0.022 -0.024	0.101 0.093	0.1	0.1	Off	On	On	Off	56.5	94.9	38.4	92.1	6.0 6.0	-4.4 -4.4 -4.4 -4.4 -4.4	25.6	377.4	679.9	0.0	Off	AIR
12:52:29	-0.026 -0.028 -0.030 -0.032 -0.034	0.057 0.071	0.1	0.1	Off	On	On	Off	56.6	94.9	38.6	92.1	6.0 6.0	-4.4 -4.4 -4.4 -4.4 -4.4	25.2	377.4	681.0	0.0	Off	AIR
12:52:30	-0.012 -0.014 -0.016 -0.018 -0.020	0.080 0.093	0.1	0.1	Off	On	On	Off	56.5	94.9	38.6	92.1	6.0 6.0	-4.4 -4.4 -4.4 -4.4 -4.4	24.1	376.6	681.9	0.0	Off	AIR
12:52:31	-0.020 -0.022 -0.024 -0.026 -0.028	0.108 0.106	0.1	0.1	Off	On	On	Off	56.5	94.9	38.5	92.1	6.1 6.0	-4.4 -4.4 -4.4 -4.4 -4.4	24.9	377.7	682.5	0.0	Off	AIR
12:52:32	-0.011 -0.012 -0.013 -0.014 -0.015	0.099 0.108	0.1	0.1	Off	On	On	Off	56.6	94.9	38.6	92.0	6.0 6.0	-4.4 -4.4 -4.4 -4.4 -4.4	24.0	376.6	682.5	0.0	Off	AIR
12:52:33	-0.022 -0.024 -0.026 -0.028 -0.030	0.109 0.112	0.1	0.1	Off	On	On	Off	56.6	94.9	38.6	92.1	6.0 6.0	-4.4 -4.4 -4.4 -4.4 -4.4	24.9	376.0	683.1	0.0	Off	AIR
12:52:34	-0.015 -0.016 -0.017 -0.018 -0.019	0.116 0.102	0.1	0.1	Off	On	On	Off	56.6	94.9	38.6	92.1	6.1 6.0	-4.4 -4.4 -4.4 -4.4 -4.4	24.6	379.2	681.9	0.0	Off	AIR
12:52:35	-0.019 -0.021 -0.023 -0.025 -0.027	0.114 0.129	0.1	0.1	Off	On	On	Off	56.6	95.4	38.6	92.1	6.0 6.0	-4.4 -4.4 -4.4 -4.4 -4.4	25.4	376.6	686.3	0.0	Off	AIR
12:52:36	-0.040	0.091	0.1	0.1	Off	On	On	Off	56.5	92.0	38.5	92.3	6.0	-4.4	24.0	379.2	662.0	0.0	Off	AIR

LOCAL TIME	LATERAL ACCELERATION (G'S)	LONGITUDINAL ACC (G'S)	PROP IMBALNCE ENG1 (G)	PROP IMBALNCE ENG2 (G)	BLEED COND ENG. 1 (1-closed)	BLEED COND ENG. 2 (1-closed)	COND. LVR POS ENG#1 (1-on)	COND. LVR POS ENG#2 (1-on)	NH LEFT ENGINE (%)	NH RIGHT ENGINE (%)	NL LEFT ENGINE (%)	NL RIGHT ENGINE (%)	PITCH TRIM POSITION (DEG.)	RUDDER PEDAL POS (DEG.)	STATIC AIR TEMP (DEGC)	T6 TEMP LEFT (C)	T6 TEMP RIGHT (C)	FLAP POSITION (DEG)	PRES TO TALK 2 (1-keyed)	AIR-GND SWITCH 1-AIR 1-wow
	0.028	0.071											6.0	4.6						
12:52:37	0.036	0.071	0.1	0.1	Off	On	On	Off	56.4	89.7	38.5	86.8	6.0	4.6	24.6	377.1	624.2		Off	AIR
12:52:38	0.035	0.112	0.1	0.1	Off	On	On	Off	56.4	89.4	38.5	85.3	6.0	4.6	25.4	377.7	612.2		Off	AIR
12:52:39	0.044	0.089	0.1	0.1	Off	On	On	Off	56.3	89.4	38.4	84.9	6.0	4.6	24.5	381.0	608.4		Off	AIR
12:52:40	0.027	0.115	0.1	0.1	Off	On	On	Off	55.9	89.4	38.4	84.7	6.0	4.6	24.8	381.0	606.3		Off	AIR
12:52:41	0.030	0.108	0.1	0.1	Off	On	On	Off	55.8	89.4	38.3	84.7	6.0	4.6	25.9	380.7	604.8		Off	AIR
12:52:42	0.054	0.114	0.1	0.1	Off	On	On	Off	55.4	89.4	38.2	84.7	6.0	4.6	24.6	383.0	603.7		Off	AIR
12:52:43	0.074	0.111	0.1	0.1	Off	On	On	Off	55.1	89.4	38.1	84.7	6.0	4.6	24.9	383.9	604.8		Off	AIR
12:52:44	0.005	0.114	0.2	0.1	Off	On	On	Off	55.0	89.3	38.0	84.7	6.0	4.6	25.6	386.2	600.4		Off	AIR
12:52:45	0.090	0.078	1.0	????	????	????	????	????	92.0	????	61.5	95.0	40.5	4.6	????	????	????		????	????
12:52:46	0.000	0.545											7.7	4.6						