

FLIGHT SUMMARY DATA

STATION: Pittsburgh, PA
 DATE: 09-SEP-94
 R/S No.: 84422626.ST
 TERM: BALLOON BURST

INDEX: 72520
 HOUR: 0
 LAUNCH TIME: 23:14
 TERM PRESS: 12.7

WBAN: 94823
 ASC. NO: 491-1
 TERM HT: 29700

WINDS

TIME(min)	PRESS(mb)	HT(M-MSL)	TEMP(C)	RH(%)	DP(C)	DIR	SPEED	REASON
0.0	976.3	360	21.5	50	10.7	250	6	SFC
0.2	971.2	405	21.5	47	9.6	250	7	SFC20
2.0	925.0	825	17.6	53	7.8	253	14	MAND
5.0	850.0	1540	11.3	70	6.0	263	16	MAND
6.9	799.5	2048	7.0	72	2.4	283	12	TEMP
7.6	779.9	2252	6.0	54	-2.7	292	12	TEMP
8.1	766.0	2399	5.9	21	-14.8	297	12	RH
8.5	755.0	2517	6.0	18	-16.5	297	13	TEMP
11.0	700.0	3131	2.3	20	-18.2	288	21	MAND
12.9	660.6	3597	0.0	17	-22.4	287	23	FRZ
13.6	647.1	3762	-0.5	15	-23.7	289	23	TEMP
21.2	500.0	5766	-15.0	15	-35.7	273	29	MAND
22.6	475.4	6145	-18.2	16	-37.8	272	29	TEMP
25.7	424.8	6977	-23.1	16	-42.0	279	29	TEMP
27.5	400.0	7414	-26.9	19	-43.5	277	31	MAND
28.8	380.6	7770	-30.2	28	-42.7	278	31	RH
29.4	372.5	7922	-31.5	21	-46.4	278	31	RH
30.3	360.1	8161	-33.7	28	-46.0	279	32	TEMP
35.1	300.0	9415	-43.3	28	-54.3	280	36	MAND
36.2	289.2	9661	-44.8	27	-55.8	285	35	TEMP
39.8	250.0	10619	-52.1	29	-61.8	286	34	MAND
44.9	200.0	12035	-60.8	30	-69.3	271	51	MAND
45.4	196.2	12154	-60.6	30	-69.0	272	53	TEMP
46.5	187.6	12434	-58.7	30	-67.4	272	55	TEMP
49.9	162.6	13333	-57.9	29	-67.0	276	53	TEMP
50.5	158.4	13499	-56.7	28	-66.0	273	49	TEMP
51.8	150.0	13844	-56.1	27	-65.7	268	43	MAND
52.9	143.4	14131	-55.4	27	-65.3	270	40	TEMP
57.6	116.5	15443	-59.2	26	-68.8	269	40	TEMP
58.3	113.1	15629	-58.4	26	-68.2	269	40	TEMP
58.9	110.3	15786	-59.4	26	-69.0	269	40	TEMP
61.2	100.0	16400	-59.2	26	-68.9	277	35	MAND
62.7	93.4	16830	-56.5	25	-66.7	285	28	TEMP
65.4	82.9	17585	-57.4	25	-67.5	286	18	TEMP
66.1	80.5	17771	-56.0	25	-66.4	287	18	TEMP
68.6	71.9	18488	-56.7	24	-67.2	282	17	TEMP
69.2	70.0	18658	-56.3	24	-66.9	281	14	MAND
70.0	67.6	18881	-54.2	23	-65.1	276	11	TEMP
73.7	57.1	19959	-55.5	23	-66.5	262	13	TEMP
76.6	50.0	20809	-53.4	22	-65.0	255	12	MAND
78.9	45.0	21486	-54.0	21	-65.7	249	10	TEMP
81.1	40.5	22166	-51.5	20	-63.8	230	4	TEMP
82.3	37.9	22596	-51.9	20	-64.3	226	4	TEMP
84.5	34.0	23294	-55.5	20	-67.4	194	4	TEMP
87.0	30.0	24095	-53.4	20	-65.7	105	2	MAND
91.6	23.5	25668	-52.8	19	-65.4	52	13	TEMP

TIME(min)	PRESS(mb)	HT(M-MSL)	TEMP(C)	RH(%)	DP(C)	WINDS		REASON
						DIR	SPEED	
94.5	20.0	26715	-50.1	19	-63.1	80	15	MAND
97.1	17.3	27661	-50.3	19	-63.4	76	12	TEMP
102.0	12.7	29700	-45.5	18	-59.7	0	0	TERM

Fixed Ht. (ft)	Wind Dir	Wind Speed (kts)
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1000	0	0
2000	251	13
3000	253	14
4000	254	15
6000	274	15
7000	287	12
8000	297	13
9000	295	16
12000	287	23
14000	290	24
16000	277	29
20000	272	29
25000	277	32
30000	278	36
35000	285	34
50000	270	41
70000	247	11
90000	81	13

Station: Pittsburgh, PA
MicroART Rework Program

Ascension: 491-1 Release: 23:14 8-SEP-94
Version 1.52 Print: 17:53 9-SEP-94

WINDS DATA

TIME(min)	HEIGHT(M-AGL)	DIR	SPEED	HEIGHT(FT-MSL)	NOTES
0	0	250	6	1181	SIG
1	232	251	13	1942	
2	465	253	14	2707	
3	703	253	15	3487	
4	942	255	15	4272	SIG
5	1180	263	16	5052	
6	1447	273	15	5928	
7	1717	284	12	6814	
8	2010	297	12	7775	SIG
9	2280	297	14	8661	
10	2525	292	18	9465	
11	2771	288	21	10272	
12	3016	285	22	11076	
13	3261	287	23	11880	
14	3507	290	23	12687	
15	3771	291	23	13553	
16	4035	289	24	14419	
17	4299	283	26	15285	
18	4562	276	30	16148	SIG
19	4826	274	31	17014	
20	5090	275	30	17880	
21	5353	273	29	18743	
22	5623	272	28	19629	
23	5892	272	30	20512	
24	6161	273	31	21394	
25	6429	278	30	22273	
26	6690	279	29	23130	
27	6933	277	30	23927	
28	7191	277	32	24773	
29	7461	278	31	25659	
30	7721	279	32	26512	
31	7984	279	33	27375	
32	8245	279	35	28231	
33	8506	278	35	29088	
34	8768	278	36	29947	
35	9029	279	36	30803	
36	9256	284	35	31548	
37	9514	288	36	32395	
38	9780	289	37	33267	
39	10046	289	34	34140	
40	10315	285	34	35023	SIG
41	10592	280	37	35931	
42	10870	279	43	36843	
43	11147	275	46	37752	
44	11425	270	46	38664	
45	11699	271	51	39563	
46	11947	273	55	40377	
47	12206	270	55	41227	
48	12471	268	57	42096	SIG
49	12735	273	56	42962	
50	13001	276	53	43835	
51	13272	271	46	44724	
52	13536	267	42	45590	

TIME(min)	HEIGHT(M-AGL)	DIR	WINDS DATA		NOTES
			SPEED	HEIGHT(FT-MSL)	
53	13799	270	40	46453	
54	14078	272	40	47368	
55	14357	273	39	48284	
56	14636	273	40	49199	
57	14916	270	41	50118	
58	15189	269	40	51013	
59	15453	269	40	51879	
60	15720	270	39	52755	
61	15987	276	36	53631	SIG
62	16269	281	32	54556	SIG
63	16554	286	27	55491	
64	16834	289	21	56410	
65	17113	286	18	57325	
66	17384	287	18	58215	
67	17669	284	18	59150	
68	17956	283	19	60091	
69	18241	282	15	61026	
70	18521	276	11	61945	SIG
71	18812	270	10	62899	
72	19104	262	10	63857	
73	19395	259	12	64812	
74	19687	263	13	65770	
75	19980	253	13	66731	
76	20273	253	13	67693	
77	20567	256	12	68657	SIG
78	20861	245	12	69622	
79	21157	250	10	70593	
80	21466	253	7	71607	
81	21775	230	4	72621	
82	22128	226	4	73779	
83	22458	227	5	74861	
84	22775	195	4	75901	
85	23094	193	3	76948	
86	23415	206	1	78001	
87	23735	105	2	79051	
88	24077	49	3	80173	
89	24419	34	5	81295	
90	24761	50	9	82417	
91	25103	44	12	83539	SIG
92	25452	57	14	84684	
93	25813	72	16	85868	
94	26174	74	15	87053	
95	26537	86	16	88244	SIG
96	26901	86	13	89438	
97	27265	76	12	90632	
98	27676	74	12	91981	SIG
99	28092	74	12	93345	
100	28508	78	12	94710	
101	28924	86	11	96075	SIG

Station: Pittsburgh, PA
MicroART Rework Program

Ascension: 491-1 Release: 23:14 8-SEP-94
Version 1.52 Print: 17:58 9-SEP-94

LEVELS				
Time (min)	Pressure (mb)	Tempr (C)	RH (%)	Reason
0.0	976.3	21.5	50.0	SFC
0.2	971.2	21.5	46.7	SFC20
2.0	925.0	17.6	52.6	MAND
5.0	850.0	11.3	69.8	MAND
6.9	799.5	7.0	72.2	TEMP
7.6	779.9	6.0	53.7	TEMP
8.1	766.0	5.9	21.0	RH
8.5	755.0	6.0	18.1	TEMP
11.0	700.0	2.3	20.4	MAND
12.9	660.6	0.0	16.7	FRZ
13.6	647.1	-0.5	15.4	TEMP
21.2	500.0	-15.0	15.2	MAND
22.6	475.4	-18.2	16.0	TEMP
25.7	424.8	-23.1	15.8	TEMP
27.5	400.0	-26.9	18.9	MAND
28.8	380.6	-30.2	28.3	RH
29.4	372.5	-31.5	21.2	RH
30.3	360.1	-33.7	27.5	TEMP
35.1	300.0	-43.3	28.1	MAND
36.2	289.2	-44.8	27.4	TEMP
39.8	250.0	-52.1	29.0	MAND
44.9	200.0	-60.8	30.0	MAND
45.4	196.2	-60.6	30.2	TEMP
46.5	187.6	-58.7	29.8	TEMP
49.9	162.6	-57.9	28.5	TEMP
50.5	158.4	-56.7	28.2	TEMP
51.8	150.0	-56.1	27.3	MAND
52.9	143.4	-55.4	26.6	TEMP
57.6	116.5	-59.2	25.8	TEMP
58.3	113.1	-58.4	25.7	TEMP
58.9	110.3	-59.4	25.7	TEMP
61.2	100.0	-59.2	25.6	MAND
62.7	93.4	-56.5	25.1	TEMP
65.4	82.9	-57.4	24.8	TEMP
66.1	80.5	-56.0	24.5	TEMP
68.6	71.9	-56.7	23.9	TEMP
69.2	70.0	-56.3	23.7	MAND
70.0	67.6	-54.2	23.4	TEMP
73.7	57.1	-55.5	22.5	TEMP
76.6	50.0	-53.4	21.6	MAND
78.9	45.0	-54.0	21.1	TEMP
81.1	40.5	-51.5	20.4	TEMP
82.3	37.9	-51.9	19.9	TEMP
84.5	34.0	-55.5	19.8	TEMP
87.0	30.0	-53.4	19.6	MAND
91.6	23.5	-52.8	19.0	TEMP
94.5	20.0	-50.1	18.9	MAND
97.1	17.3	-50.3	18.5	TEMP
102.0	12.7	-45.5	17.7	TERM