

19950816I1-FDIR

H. FELIX RADAR

FLIGHT #02 I950816

TYPE OF DATA

SENSOR OR OPTION

INE	1
Accelerometer	1
Temperature probe	1
Altitude change option (for vertical winds)	RA159
Static pressure	Rosemount fuselage
Dynamic pressure	Rosemount fuselage
Time source	Micro 99
Constants file	CO3957.CON

Notes:

There was one time/data gap: 200606Z - 200620Z

The dewpoint sensor, DW1, was balanced during the following time frames,

1908Z - 1912Z
2202Z - 2206Z

The spikes generated by these actions were removed and patched over. The performance of DW1 was much better compared to the previous days' mission. Wax was removed from the dewpoint sensor prior to take-off.

The aircraft INE positions were renavigated with respect to GPS.

SPECIAL NOTE!!! Locations 80, 81 and 82 of record five on the standard tape contain vertical ground, vertical air and vertical speeds, respectively, computed using Dave Jorgensen's vertical wind algorithm. It is recommended that these values be used for vertical wind analysis.

	Takeoff -----	Landing -----
Aircraft static pressure	1013.5mb	1010.5mb
Corrected tower pressure	1014.0mb	1010.0mb

Flight Meteorologist: A. Barry Damiano, (813) 828-3310 ext. 3073

FLT ID: 1950816	FM: KBOS	TO: KMCF via KOPF
FLT NO: 95-057	BLK IN: 2307Z/0009Z	ATA: 2305Z/0002Z
ETD: 1730Z	BLK OUT: 1754Z/2315Z	ATD: 1759Z/2325Z
ETE:	BLK TIME: 6:13:54	FLT TIME: 8:06:37
SPONSOR ORG: HRD	PROGRAM: HRCN RESEARCH	PURPOSE: Ho. FELIX

OAO PERSONNEL

RC PHILIPPS BORN	SYS ENG GOLDSTEIN
CP O'MARA	DATA SYS LYNCH
NAV KOZAK	RADAR BARR
FE BAST	BT/ODW McMILLAN
RADIO ARNASON	CLD PHYS
FD DANIANO	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
CLOSSER	MELT	ROC
FRANKLIN	PT	HRD
GRIFFIN	WORKSTATION	}
ABERSON	OBS	
KAPLAN	OBS	
GOLDENBERG	OBS	

PROPOSED/ACTUAL MISSION/REMARKS (RECCO, FIXES, STORM, PENET, NHOP #)

1847Z IN CLD RS+TA 2.5 apart 201440Z T13 > T11

1853 RADOME PQ ILED UP

BAL DPT 1910Z, 2204Z

Prior to T/O TERRY LYNCH FOUND WAX IN THE DRAINAGE HOLES OF DWI PROBE. EXPLAINS POOR PERFORMANCE IN YESTERDAY'S FLIGHT.

9 1952Z 35°02' 72°57' at 500mB 5638

9 2028Z 35°03' 72°58' at 500mB 5635

U.S. DEPT. COMM./NOAA/ORD - DATA SECTION WORK FORM NO.2 DROWF2 FILE

FLT ID: I950816 TIME OFF: 1759Z/2321Z TIME ON: 2305Z/0002

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1013.5/1010.5		1010.5/1010.3	

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES

1

FAST FLT LVL TAPES

RADAR TAPES

1

DOPPLER TAPES

ODW CASSETTES

1

HARD COPIES

ODW

2

PMS

1

RXBT

RXCP

ODW

PHOTOGRAPHY

	FWD	LS	RS	VERT	
ON					
OFF					
RATE					

REMARKS

U.S. GOVERNMENT PRINTING OFFICE: 1980 OBG 012-111

MISSION

NAVIGATOR

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

FLIGHT DIRECTOR

SCHEDULED / ACTUAL TAKEOFF Z	
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

DATE OF TAKEOFF

Котак

PA 11

Dominio

1330' 1759

16 ALB 95

FOLLY

[illegible]

INS PERFORMANCE		
	INS 1	INS 2
BEGIN ALIGN TIME	1602	1602
ALIGN STATUS (0-5)	5	0
END NAV TIME	0010	0010
START NAV TIME	1734	1734
DELTA T	8408	8408

TERMINAL ERRORS		
	INS 1	INS 2
DELTA LAT	-1.4	+3.2
DELTA LON	+2.5	-1.2
RGS	1	6
RADIAL ERROR	1	3

[illegible]

TIME	FIX TYPE	POSITION	INS 1 POSITION	K ERR	INS 2 POSITION
1734	6PS	4221.3N 7101.3W	✓ ✓		
1753					
1854					
1928	6PS	4042.5N 7045.2W	4042.6N 7044.7W	-1 +1.5	4042.5N 7044.7W
1956	6PS	3826.7N 7045.3W	3826.3N 7044.6W	+1.4 +1.7	3826.7N 7045.3W
19510	6PS	3503.1N 7255.5W	3503.1N 7254.7W	-1 +1.8	3503.1N 7255.5W
20280	6PS	3503.5N 7259.0W	3503.3N 7256.8W	+1.2 +2.2	3503.5N 7259.0W
2113	6PS	3332.8N 7640.2W	3333.4N 7638.8W	-0.6 +1.4	3332.8N 7640.2W
2134	6PS	3225.1N 7823.2W	3225.3N 7821.8W	-1.2 +1.6	3225.1N 7823.2W
2305					
2320					
0003					
0009	6PS	2750.9N 8229.1W	2752.3N 8227.1W	-1.4 +2.5	2750.9N 8229.1W

[illegible][illegible]