

19950815T1.FDIR

H. FELIX ODW

FLIGHT #01 I950815

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 were no time/data gaps.

The dewpoint sensor, DW1, was balanced during the time frame 2049Z - 2054Z. The spike generated by this action was removed and patched over. The performance of DW1 was not very good during this mission. During pre-flighting for the following days' flight (I950816), the probe was examined and found to have wax in its drainage holes. This precluded the sensor from functioning normally. The wax was removed prior to take-off and the dewpoint sensor responded nominally.

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	1009.4mb	1015.0mb
Corrected tower pressure	1010.0mb	1015.5mb

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

FLT ID: I950815	FM: MCF	TO: OPA LOCKA / BOS
FLT NO: 95-056	BLK IN: 1708Z / 0432	ATA: 1704Z / 0426Z
ETD: 1600Z	BLK OUT: 1606Z / 1818Z	ATD: 1616Z / 1825Z
ETE:	BLK TIME: 1:02 / 10:14	FLT TIME: 1:48 / 10:01
SPONSOR ORG: NHC	PROGRAM: HRCN. RECCO	PURPOSE: OOW MISSION FOR H. FELIX

OAD PERSONNEL

AC PHILIPPSBORN	SYS ENG GOLDSTEIN
CP O'MARA	DATA SYS LYNCH
NAV KOZAK	RADAR BARR
FE BEST	BT/ODW McMILLAN
RADIO ARNASON	CLD PHYS
FD DAMIANO	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAD

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
CLOSSER	MELH.	AOC
GRIFFIN	WORKSTATION	HED
FRANKLIN	PI	S
KAPLAN	OBS	
ABERSON	OBS	
GOLDENBERG	OBS	

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

ARRIVED ~~AT~~ OPA LOCKA TO PICK UP 5 HED FOLKS. LEFT OPA LOCKA TO FLY OOW MISSION FOR HRCN. FELIX

BAL DPT 1639Z, 2051Z

Replaced DPT head at OPA before 1900ZTA and RS. about 0.5° apart

INCLD at 2047Z, 2052Z

Went to INE1 GS
2302Z

AF fix at 2256Z
33°30' 70°01'
EXTRAP 960 MB
SONDE 963 MB

0051Z AF FIX
33°37' 965 MB 66 KTS
70°22'

U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO.2 OAOWF2 FILE

FLT ID: I9508105 TIME OFF: 16/62/1825 TIME ON: 17042/174262

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1011.5/1009.4	1010.0	1010.0/1015.0	1015.4

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES

1

FAST FLT LVL TAPES

RADAR TAPES

1

DOPPLER TAPES

ODW CASSETTES

10

HARD COPIES

ODW'S
PMS25
1

AXBT

AXCP

ODW

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS

022
012

SSION
William Pardo

Kozak

P411

Damiano

18007'

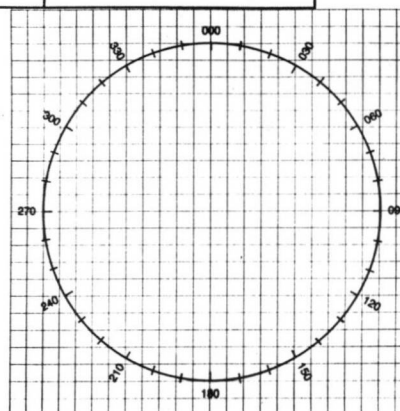
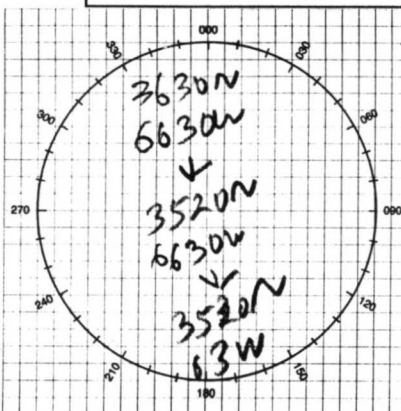
15 AUG 95

Synaptic
Flow Felix

REMARKS
QPR L 190 1.30
PV 500 01.15
mic 6 Padus
21000 17,000
128.6 364.6

CLEARANCES			
FREQ	ALT	HDG	OTHER
			<u>FELIX</u>
			75 KNOTS
			330 2N 68 49 W 1720Z
			965 761kt
		002	33.0N 72.0W
		180Z	34.6N 74.0W

MISSION LOG PAGE ____ OF ____



POSITION REPORT	
1. POSITION	
2. TIME	
3. ALTITUDE	
4. NEXT POSITION	
5. ETA	
6. NEXT POSITION	

TRANSMIT THE
FREQUENCY IN
ANY OF THE FO

UHF/VOICE
243.0

MAYDAY, MA
THIS IS NOA

- POSITION _

- HEADING _

- AT _

- FLIGHT LEV

- WE ARE A P

- NATURE OF

- ASSISTANCE

- PILOT INTEN

- WE HAVE _

TIME	FIX TYPE	POSITION	INS 1 POSITION	K ERR	INS 2 POSITION	K ERR	MH	VAR +E==>	TH	DR +R==>	TRK	GS	WD	WS	ALT	TAS	NEXT PT	DIST
1602																		
1606																		
1616																		
1705																		
1708		2554.6N 8016.4W	2552.5N 8016.0W	+2.1 +1.4	2552.3N 8016.4W	+2.3 0												
1812		2554.6N 8016.4W	2554.6N 8016.4W		2554.6N 8016.4W													
1825																		
1908	GPS	2800.8N 7658.2W	2800.5N 7656.8W	+1.3 +1.4	2800.9N 7658.2W	-1.1 0												
1940																		
2005	GPS	2803.3N 7259.0W	2802.6N 7258.0W	+1.7 +1.0	2804.0N 7259.0W	-1.7 0		5W	359	3R	356	282	062	9	17K	282		
2031																		
2058	GPS	3201.3N 7304.8W	3200.9N 7302.9W	+1.4 +1.9	3203.2N 7305.6W	-1.9 -1.8		8W	273	7L	268	303	025	33	19K	290		
2118	GPS	3200.2N 7501.5W	3202.0N 7459.6W	-1.2 +1.9	3204.8N 7502.6W	-2.6 -1.1		9W	014	5L	09	264	045	33	19K	291		
2139	GPS	3331.8N 7457.5W	3334.0N 7455.8W	+1.8 +1.7	3334.1N 7456.5W	-2.3 +1.0		10W	057	2R	059	260	035	39	19K	296		
2206	GPS	3434.1N 7300.0W	3432.7N 7258.1W	+1.4 +1.9	3437.4N 7259.8W	-3.2 +1.2		11W	019	2	016	23	027	4N	20K	284		
2237	GPS	3629.5 7157.5W	3629.2N 7154.4W	+1.3 +3.1	3635.2N 7158.4W	-5.7 -1.9		14W	087	5R	292	272	035	37	20K	295		

MISSION LOG	PAGE <u>1</u> OF <u>1</u>
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MISSION LOG	PAGE <u>1</u> OF <u>1</u>
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FIX TYPES
(G) - GPS (I) - INS (R) - RADIO (V) - VISUAL (C) - CELESTIAL (D) - DR

FIX TYPES
(G) - GPS (I) - INS (R) - RADIO (V) - VISUAL (C) - CELESTIAL (D) - DR

[illegible]

I 950815

TIME	LAT	LONG	TRK	HD	WD	WS	PA	GA	TA	TD	SP	PS	HAZY	PQ
61800	2745	8233	186	187	24	14	542	583	26.9	21.9	1013.5	911.6	HAZY	72.3
83200	2600	7952	85	81	14	23	1868	1983	16.7	13.8	1011.8	792.0	HAZY	78.5
91816	2808	7658	99	91	31	8.3	5201	5468	-1.9	-11.5	1003.5	526.0	Good (ODW)	73.2
92300	2801	7634	88	88	356	7	5200	5466	-1.9	-11.4	1002.8	526.0	SC T CLD	72.2
94043	2801	7500	91	91	36	10	5199	5460	.3	-16.2	998.1	526.0	Good (ODW)	73.8
95200	2801	7403	92	93	92	12	5197	5455	-0.3	-16.8	999.8	526.1	SC T CLD	75.5
00510	2804	7259	356	359	110	7.2	5196	5455	-1.3	-17.2	1001.4	526.2	WINDS (ODW)	73.2
02300	2926	7300	1	2	3	10	5195	5453	.8	-17.7	996.7	526.2	CLD BLW	72.1
03025	3000	7300	0	0	341	9	5196	5453	-0.2	-17.5	999.6	526.2	Good (ODW)	76.7
04200	3050	7300	357	359	12	24	5808	6105	-4.4	-16.2	998.1	484.4	CLD BLW	76.1
05300	3139	7300	358	0	12	27	5806	6104	-4.3	-15.3	997.7	484.5	CLD BLW	76.3
05610				17	17	32								
05700				16	16	32								
05836	3201	7305	258	265	25	32	5805	6105	-3.8	-15.3	996.9	484.6	WINDS (ODW)	73.6
11000	3200	7412	270	277	41	36	5804	6117	-1.5	-20.3	992.6	484.6	CLDS BLW	70.5
11845	3204	7501	4	9	46	29	5806	6127	-2.2	-20.6	995.3	484.6	BAD (ODW)	72.6
12621	3238	7500	0	6	41	32	5804	6128	-2.2	-19.1	995.9	484.6	BAD (ODW)	73.8
13200	3303	7500	1	6	44	33	5806	6132	-2.5	-19.1	996.8	484.6	CLDS BLW	74.1
13859	3333	7455	58	58	45	36	5804	6134	-2.8	-19.2	997.8	484.6	BAD (ODW)	73.6
15200	3402	7400	58	56	33	45	5804	6124	-1.6	-19.4	993.7	484.6	CLDS BLW	76.7
15550	3411	7343	58	55	30	47	5805	6122	-1.0	-19.1	992.0	484.6	BAD (ODW)	76.4
20300	3426	7312	57	51	38	50	5804	6116	-2.0	-19.4	994.1	484.6	CLD BLW	77.8
20608	3435	7300	12	18	38	49	5803	6113	-1.7	-20.0	993.1	484.6	WINDS (ODW)	77.5
22100	3530	7230	19	22	34	42	6119	6474	-3.5	-21.2	994.0	464.2	CLDS BLW	72.6
23440	3622	7208	21	24	39	34	6119	6487	-3.5	-21.3	995.4	464.2	BTN CLDS	72.2
23716	3629	7156	83	79	40	37	6120	6486	-3.4	-21.4	994.9	464.2	Good (ODW)	72.7
25635	3630	7009	93	91	59	37	6424	6804	-7.2	-22.8	998.8	445.0	Good (ODW)	74.5
30900	3630	6904	89	88	80	41	6422	6802	-7.2	-22.5	998.3	445.0	BTN CLDS	71.6
31742	3630	6816	90	91	89	36	6423	6807	-7.5	-24.3	999.1	445.1	Good (ODW)	73.1
33200	3630	6700	86	91	115	34	6423	6820	-8.0	-24.2	1002.3	445.0	BTN CLDS	75.3
33801	3625	6630	185	181	126	32	6424	6823	-8.1	-24.8	1002.9	445.1	Good (ODW)	73.1
35327	3520	6622	78	84	127	35	6423	6806	-7.2	-18.1	999.5	445.1	Good (ODW)	70.6
00700	3523	6507	86	92	137	31	6423	6824	-8.9	-21.3	1005.3	445.1		71.5
02940	3530	6300	3	7	120	13	6742	7196	-11.8	-20.4	1010.5	425.8	Good (ODW)	71.2
04706	3700	6300	3	5	183	18	6741	7197	-12.9	-19.1	1014.2	425.8	Good (ODW)	66.8
10000	3806	6300	1	0	223	15	6740	7200	-11.7	-18.8	1011.0	425.8		90.1
110440	3830	6300	0	359	215	19	6739	7197	-12.6	-18.3	1013.4	425.8	Good (ODW)	67.7
12525	4015	6300	358	358	260	7	7060	7521	-15.8	-21.7	1015.4	406.6	Good (ODW)	65.1
114733	4200	6307	268	270	287	13	7036	7488	-15.9	-20.5	1014.9	408.4	Good (ODW)	
20200	4200	6439	268	271	294	18	7036	7498	-16.4	-20.0	1016.5	408.5		72.3
021000	4200	6531	267	271	293	24	7348	7826	-17.5	-21.7	1013.2	390.9		69.0
122005	4155	6631	173	177	321	25	7348	7834	-17.3	-22.3	1013.8	390.8	Good (ODW)	69.0
023612	4030	6630	181	184	328	9	7347	7843	-16.6	-23.5	1012.8	390.9	Good (ODW)	66.6
025450	3900	6635	274	275	195	5	7348	7852	-14.8	-23.7	1007.6	390.9	Good (ODW)	63.7
031509	3900	6848	271	272	90	4	7649	8178	-16.4	-27.1	1006.2	374.5	Good (ODW)	65.4
033535	3903	7101	344	347	38	6	7649	8175	-16.3	-29.4	1005.8	374.5	Good (ODW)	67.2
034800	4005	7121	350	353	49	8	7649	8176	-17.2	-30.0	1006.8	374.5		69.3