

19960912H1. FDIR

RECCO H. Hortense

FLIGHT #01 H960912

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	CO2964.CON

Notes:

There were several time/data gaps:

035453Z - 035510Z
041131Z - 041200Z
045111Z - 045120Z
065957Z - 070000Z
090637Z - 090650Z
111419Z - 111430Z
132319Z - 132340Z

The King Liquid water probe was inoperable for the entire flight.

Spikes in fuselage static pressure (PSF) were removed and patched during the following time frames:

064200Z - 064500Z
094000Z - 094300Z
094600Z - 094900Z
105000Z - 105300Z
112300Z - 112600Z
114000Z - 114300Z
115400Z - 115700Z

Downward spikes in radar altitude are a result of overflying land.

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
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Aircraft static pressure	1010.4mb	1010.1mb

Corrected tower pressure

1011.0mb

1010.8mb

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

FLT ID: H960912	FM: KMCF	TO: KMCF
FLT NO: 96-050	BLK IN: 1342Z	ATA: 1334Z
ETD: 0300Z	BLK OUT: 0318Z	ATD: 0331Z
ETE:	BLK TIME: 10:24	FLT TIME: 10:03
SPONSOR ORG: NHC	PROGRAM: HARR. RECCO	PURPOSE: H. HORTENSE

DAO PERSONNEL

AC KENNEDY	SYS ENG
CP KENUL	DATA SYS McMILLAN
NAV STRONG	RADAR BARR
FE TORREY	BT/ODW CARPENTER
RADIO ROLES	CLD PHYS
FD DAMIANO	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/DAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
WELLOUGHBY	PI	HRD
LANDSEA	RADAR	↓
LAWRENCE		
JONES	OB'S	
DONNELLY	C-SCAT	U-MASS

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

DYN SLIP PLS 4.2 on black out; got the man zero before T/O.
 K.L.W. broke for whole fit

0609Z	0732Z
9 22 57	9 21 10
71 27	71 30
964 MB	962 MB
0859Z	1104Z
9 23 22	9 23 41
71 36	71 45
959 MB	959 MB

U.S. DEPT. COMM./NOAA/ORA - DATA SECTION WORK FORM NO.2 OROWF2 FILE

FLT ID: H960912 TIME OFF: 0331Z TIME ON: 1334Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1010.4	29.87	1338 1010.1	29.85

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES	1	
FAST FLT LVL TAPES		
RADAR TAPES	2	
DOPPLER TAPES		
ODW CASSETTES		
HARD COPIES		
PMS	2	
AXBT		
AXCP		
ODW		

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS

H960912

TIME	LAT	LOU	TRK	HD	WD	WS	PA	GA	TA	TD	SP	PS		PQ
033800	2748	8209	129	129	343	7	2130	2197	14.2	9.2	1007.3	776.7	—	65.
040100	2709	8027	110	112	268	19	5200	5459	-3.6	-9.6	1006.4	526.0	—	74.
041600	2642	7908	111	114	277	27	5190	5472	-4.2	-7.1	1010.0	526.7	—	67.
043800	2605	7721	112	114	268	12	5194	5476	-4.1	-11.1	1009.6	526.4	—	68.
050000	2527	7539	112	112	330	7	5202	5498	-1.5	-24.2	1006.7	527.7	—	64.
052300	2447	7354	112	109	32	19	5192	5472	-1.5	-19.2	1004.0	526.6	—	66.
053500	2413	7258	133	125	62	38	1541	1574	17.1	14.6	1007.8	541.3	—	71.
055000	2343	7223	136	127	49	37	1539	1535	17.6	15.7	1003.5	541.8	—	73.
065500	2255	7009	316	356	179	60	1492	1497	18.3	16.6	1004.4	546.2	—	71.
071700	2253	7039	225	211	128	60	1513	1507	16.9	16.3	1003.7	544.3	—	77.4
075100	2222	7219	207	219	295	32	1523	1508	17.3	16.1	1002.4	545.1	—	71.5
080500	2156	7237	277	28	283	29	1498	1503	19.0	14.0	1004.0	545.3	—	70.1
081900	2202	7131	85	91	234	43	1518	1515	18.2	14.8	1003.4	543.6	—	74.1
083100	2206	7035	85	96	207	45	1515	1526	18.0	13.8	1005.3	543.9	—	71.
084700	2250	7059	317	304	205	58	1550	1509	17.3	18.0	998.8	540.4	RM+	73.1
090000	2315	7300	182	180	19	22	1509	1502	17.3	16.2	1003.5	544.5	RM	65.
095500	2231	7303	176	180	318	24	1509	1514	17.9	15.6	1004.3	544.7	RM-	65.
101400	2219	7151	85	87	253	41	1508	1503	19.2	13.2	1002.9	544.6	CLD	68.
104000	2233	7036	318	307	198	52	1507	1520	17.4	15.7	1005.8	544.8	BTM CLD	76.
105000	2303	7101	321	305	207	69	1560	1542	17.6	16.0	1000.9	539.2	IN CLD	66.
115100	2451	7500	297	298	312	17	7342	7766	-17.0	-32.4	1000.6	391.2	ARV CLD	69
122300	2559	7738	294	290	253	26	7339	7753	-17.1	-27.0	—	391.2	CLR	71.
124600	2643	7934	293	291	247	19	7340	7729	-18.9	-33.1	—	391.3	CLR	73.1

MISSION
FORTENSE

STRONG

KENNEDY

DAMIAND

0330 - 0331

11 SEP 96

MH	VAR +E==>	TH	DR +R==>	TRK	GS	WD	WS	ALT	TAS	LEG / TOT DIST	LEG / TOT TIME	PROP ETA	ETA	ATA	REMARKS
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4

119.5

C McF A r

0809

→ 1.6 $5 \times 10^{10} + 10$

De 2 135.5

Sd 4676

