

19980826H1-FDIR

Hurricane 1998 Hurricane Bonnie Landfall

Flight #6 980826H

<u>Sensor or system</u>	<u>Number or Name</u>
✓ INE	2
Accelerometer	2
✓ Temperature Probe	2
✓ Dew Point Probe	1
Altitude (for vertical wind)	RA-159
Static Pressure	Rosemount Fuselage
Dynamic Pressure	Rosemount Fuselage
Time Source	Micro 99
Constants File	CO2989.CON

Notes:

Radar altimeter (RA159) had a spike at takeoff (1018:01-1020:08) and was replaced by RA232. RA159 had a spike at landing and was set to zero 1924:18-1927:00.

Dewpoint (DW1) had a spike due to balancing (1058:29-1104:10). The spike was removed and patched. Dewpoint (DW1) exceeded ambient temperature (AT2) several times due to heavy precipitation.

Dynamic slip pressure (DBP) had problems due to possible leak in the line. DBP was replaced by the dynamic pressure on the fuselage (PQF1) with an offset of +5.6 (1345:50-1807:22).

	<u>Takeoff</u>	<u>Landing</u>
Aircraft static pressure	1008.4	1009.7
Corrected tower pressure	1009.5	1011.5

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.

Flight Meteorologist: Stan Czyzyk, (813) 828-3310 ext. 3086

U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO.1 OAOWF1 FILE

FLT ID: 980826H	FM: KMCF	TO: KMCF
FLT NO: 98-071	BLK IN: 1933	ATA: 1925Z
ETD: 1000Z	DLK OUT: 1008Z	RTD: 1030Z
ETE: 1930Z	BLK TIME: 9.25 9.4	FLT TIME: 9.05 9.1
SPONSOR ORG: HRP	PROGRAM: LAND FALL HRR	PURPOSE: LANDFALL HRR BONNIE

OAO PERSONNEL

AC PHILIPPSBORN, R ✓	SYS ENG MCMILLAN, S ✓
CP TAGGART, B / AMARA, T ✓	DATA SYS GOLDSTEIN, A ✓
NAV STRONG, T ✓	RADAR BARR, J ✓
FE BAST, G ✓	BT/ODW
RADIO ROGERS, M ✓	CLD PHYS
FD CZ424K, S ✓	DOPPLER WINTER, D ✓

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
MARKS, F ✓	SCIENTIST	HRD
BARNES, G ✓	P.I.	U. of HAWAII
LEIGHTON, P -	SCIENTIST	HRD
ABERSON, S ✓	"	HRD
KIMBERLAIN, T ✓	"	HRD
WROE, D ✓	"	CSU
GERACE, M	"	U. of HAWAII U. of HAWAII
SPILKER, R	MEDIA	CH-28
	MEDIA	CH-28

PROPOSED/ACTUAL MISSION/REMARKS (RECCO, FIXES, STORM, PENET, NHOP #)
 JAMES NEED AWAIS CO. RUM FROM 8/24 FLIGHT.
 105830 BALANCE DWHI

5 1107Z 5 1258Z 5 1408Z 5 1502Z 5 1631Z 5 1731 5 1749Z
 1 1

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

FLT ID: 980826H

TIME OFF: 1020Z

TIME ON: 1925

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1008.4	29.81	1009.7	29.87

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES	2	
FAST FLT LVL TAPES		
RADAR TAPES		
DOPPLER TAPES		
ODW CASSETTES		
HARD COPIES		
AXDT	16	
AXCP		
ODW		
GPS		55(34)

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS

[illegible]

[illegible]

NTSA 806-5R2

370nm to 6

REMARKS	
	CAF
	2080 7/6k
	17 10
	119.9
	3712
	6190
	119.65