

19981027ILFDIR

Hurricane Mitch

Flight #17 1981027

<u>Sensor or system</u>	<u>Number or Name</u>
INE	1
Accelerometer	1
Temperature Probe	1
Dew Point Probe	1
Altitude (for vertical wind)	RA-159
Static Pressure	Rosemount Fuselage
Dynamic Pressure	Rosemount Fuselage
Time Source	Micro 99
Constants File	CO3984.CON

Notes:

The radar altimeter (RA159) had a spike at takeoff and was by RA232 from 1845:01-1852:26. RA159 had a dropout and was replaced by RA232 with an offset of 21.0 from 2325:30-2327:00. RA159 was erroneous from 0136:40-0137:10 and had data removed and patched. A spike also occurred just prior to landing and RA159 was set to zero (0259:29-0303:00). Dips in radar altimeter are due to overflying the islands just north of Honduras.

Static pressure (PSF) had a spike removed and patched 0151:00-0152:00.

Dewpoint temperature (DW1) had a spike removed and patched due to balancing 1922:30-1929:00. Dewpoint temperature (DW1) exceeded ambient temperature (AT1) several times due to heavy precipitation.

	<u>Takeoff</u>	<u>Landing</u>
Aircraft static pressure	1018.8	1019.6
Corrected tower pressure	1020.0	1021.0

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 OAO WF1 FILE

FLT ID: 98027I	FM: KMCF	TO: KMCF
FLT NO: 98-004	BLK IN: 0309Z	ATA: 0300Z
ETD: 1845Z	BLK OUT: 1837Z	RTD: 1849Z
ETE: 0400Z	BLK TIME: 8:32 8.5	FLT TIME: 8:11 8.2
SPONSOR ORG: NOAA	PROGRAM: AURA-RESEARCH	PURPOSE: HURR. MITCH.

OAO PERSONNEL

AC PHILIPPSBORN, R ✓	SYS ENG LYNCH, J ✓
CP KENUL, P / KENNEDY, P ✓	DATA SYS
NAV KOSAK, S ✓	RADAR HILL, J ✓
FE BAST, G ✓	DT/ODW CARPENTER, D ✓
RADIO SANS SOURCE, D ✓	CLD PHYS
FD C2424K, S / PARASH, J ✓	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
BLACK, P ✓	P.I.	HRD
FRANKLIN, J ✓	SCIENTIST	"
LEIGHTON, P ✓	"	"
GAMACHE, J ✓	"	"
ROGERS, R ✓	"	"
GERZELMAN, S ✓	"	"
EBERWINE, J ✓	"	"
FAGEN, J ✓	MEDIA	FOX 13

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

KING LW OUT

BALANCE DM 1922:30Z

6 PENETRATIONS

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

FLT ID: 981027I

TIME OFF: 1849Z

TIME ON: 0300Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1018.8	30.12	1019.6	30.15

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES	2	
FAST FLT LVL TAPES		
RADAR TAPES		
DOPPLER TAPES		
ODW CASSETTES		
HARD COPIES	1	
AXDT	8	
AXCP		
ODW		
GPS	31	

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS

413-50

[illegible]

NH NW 15:20 11/15

0200

1830

8520W

MISSION LOG PAGE ____ OF ____

POSITION REPORT

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

EMERGENCY MESSAGE

TRANSMIT THE FOLLOWING MESSAGE TO ANY AGENCY ON THE AIR-GROUND FREQUENCY IN USE. IF UNABLE TO ESTABLISH COMMS, ATTEMPT CONTACT ON ANY OF THE FOLLOWING EMERGENCY FREQUENCIES:

UHF/VOICE VHF/VOICE MF/VOICE HF/CW MF/CW
243.0 121.5 2182 KHZ 8364 KHZ 500 KHZ

MAYDAY, MAYDAY, MAYDAY
THIS IS NOAA _____, NOAA _____, NOAA _____

- POSITION _____ N / S
E / W AT _____ Z

- HEADING _____ TRUE/MAG

- AT _____ KTS TRUE/INDICATED

- FLIGHT LEVEL OR ALTITUDE _____

- WE ARE A P-3 AIRCRAFT WITH _____ SOULS ON BOARD

- NATURE OF EMERGENCY

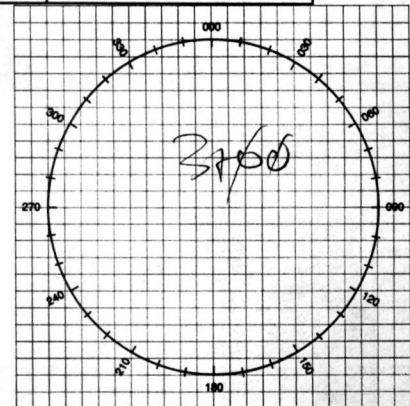
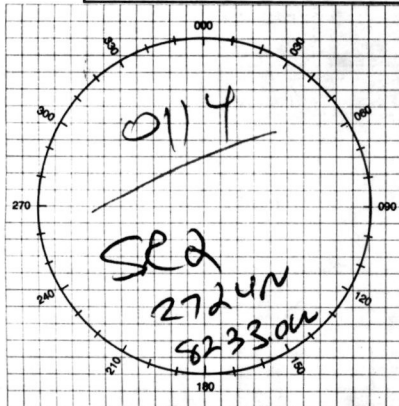
- ASSISTANCE DESIRED

- PILOT INTENTIONS

- WE HAVE _____ ENDURANCE REMAINING

OTHER

3N	2026
53W	
4N	1920Z
4W	130 KNOTS
	9280W
5N	2048Z
5W	927



POSITION	K ERR	INS 2 POSITION	K ERR	MH	VAR +E==>	TH	DR +R==>	TRK	GS	WD	WS	ALT	TAS	NEXT PT	DIST	TIME	ETA	REMARKS
																		End stop
8.9N	-1	2628.6N	+1.2															Post
3.0W	-1	8333.0W	-1			200	1L	194	296	358	9	18K	286					
2.2N	-1.2	2159.0N	-1.0															sun 1 NM
6W	0	8530.4W	-1.6			184	0	184	294	028	10	18K	285					
4N		1641.6N																5 mitch
7W		8536.6W																
8N		1640.7N																5 mitch
4W		8535.5W																
2.2N		1638.8N																5 mitch
1.9W		8537.1W																
1.9N		1636.13N																5 mitch
3W		8537.3W																
1.2N		1633.1N																5 mitch
1.1W		8535.14W																
0.7N		1631.17N																5 mitch
5.9W		8537.3W																
6.0N	+2.0	2750.14N	+1.5															chairs
1.5W	-1.9	8231.6W	-2.0															

1726
8612
1616
8457

