

1998092841-FDIR

Hurricane Georges Landfall

Flight #16 H980928

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

Notes:

The radar altimeter (RA159) had a spike at takeoff and was by RA232 from 0303:01-0309:44. Several spikes in RA159 were removed and patched throughout the flight (0437:30-0438:00, 0451:30-0452:00, 0456:00-0457:30(2), 0512:00-0512:30, 0626:00-0626:30, 0628:00-0628:30, 0637:30-0638:00, 0719:00-0719:30, 0737:30-0738:00, 0745:30-0747:00(2), 0749:00-0749:30, 0802:00-0802:30, 0811:00-0811:30, 0816:00-0816:30, 0824:00-0825:00, 0853:00-0853:30, 0902:30-0903:30, 0925:00-0925:30, 0932:30-0933:30, 1016:30-1017:00, 1018:00-1019:00, 1031:30-1032:00, 1038:00-1039:00, 1043:00-1043:30, 1046:00-1046:30, 1118:00-1118:30, 1120:30-1121:00, and 1130:30-1132:00(2)). A spike also occurred just prior to landing and RA159 was set to zero (1141:50-1145:00).

Total temperature (TT2) had problems in heavy precipitation and was replaced by TT1 with an offset of +0.2 from 1045:30-1053:00.

Dewpoint temperature (DW2) had problems in heavy precipitation and was replaced by DW1 with an offset of -0.5 from 0808:40-0912:22. Dewpoint temperature (DW2) 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 appropriate offset of +5.0 (0532:57-0607:57, 0621:00-0659:00, 0727:15-0900:00, and 0907:39-1035:34).

	<u>Takeoff</u>	<u>Landing</u>
Aircraft static pressure	1014.4	1013.7
Corrected tower pressure	1015.2	1014.2

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

[illegible]

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

FLT ID: 980928H	FM: KMCF	TO: KMCF
FLT NO: 98-082	BLK IN: 1152Z	ATA: 1142Z
ETD: 0300Z	BLK OUT: 0258Z	RTD: 0307Z
ETE: 1230Z	BLK TIME: 8.54 8.9	FLT TIME: 8.35 8.6
SPONSOR ORG: NOAA/HRO	PROGRAM: LAN OF ALL	PURPOSE: HURR GEORGES

OAO PERSONNEL

AC PHILIPPSBORN, R ✓	SYS ENG MCINILLAN, S ✓
CP KENDY, P ✓	DATA SYS CARPENTER, D ✓
NAV RATHBUN, D ✓	RADAR DELGADO, J ✓
FE TORREY, R ✓	DT/ODW
RADIO	CLD PHYS FIGHTMASTER, B ✓
FD (7774K), J ✓	DOPPLER YOUNG, D ✓

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
GAMACHE, J ✓	P.I.	HRO
LANDSEA, C ✓	SCIENTIST	"
LEIGHTON, P ✓	"	"
WILLOUGHBY, H ✓	"	"
CECIL, D ✓	"	"
FENTERS, B ✓	MEDIA	FLEET

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

8 PENETRATIONS

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

FLT ID: 980928H

TIME OFF: 0307Z

TIME ON: 1142Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1014.4	29.98		29.95

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES	2	
FAST FLT LVL TAPES		
RADAR TAPES		
DOPPLER TAPES		
ODW CASSETTES		
HARD COPIES	1	
AXBT	5	
AXCP		
ODW		
GPS	34	

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS

MISSION PREFLIGHT LOG						NAVIGATOR		AIRCRAFT COMMANDER		FLIGHT DIRECTOR		SCHEDULED / ACTUAL TAKEOFF Z		DATE OF TAKEOFF	
DESTINATION MCF → MCF			MISSION 9 GEORBAS			RATHBUN		PHILIPSBORN		CZTZK		0300Z '0306Z		28 SEP 98	

WP	LAT / LON	RTE	MH	VAR +E==>	TH	DR +R==>	TRK	GS	WD	WS	ALT	TAS	LEG / TOT DIST	LEG / TOT TIME	PROP ETA	ETA	ATA	REMARK
1	42036 28 30 84 30																	
2	28 48 86 00																	
3	29 24 89 18																	
4	29 18 90 00																	
5	29 18 91 18																	
6	28 44 89 38																	
7	28 53 87 30																	
9	30 20.2 89 49.5																	
8	PT10 29 18 90 00																	
1	PT11 28 55 89 34																	
3	PT13 30 40.8 88 14.4																	
4	PT14 30 20.2 89 49.5																	
6	PT16 28 50 87 25																	
7	PT17 30 36 85 54																	
8	PT18 30 20.2 89 49.5																	
2	28 30 84 30																	
3	PTK 27 54.5 82 41.1																	
4	MCF 27 51 82 31.3																	

3029 8900

[illegible]

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, MAYDAY,
THIS IS NOA.**

- POSITION

- HEADING -

- FLIGHT LE

- WE ARE AT
- NATURE OF

- PILOT INTE

- WE HAVE _

[illegible]