

1980909H1 - FDIR

HURRICANE FLORENCE DMSP/RECCO MISSION

FLIGHT #1 880909H N42RF

TYPE OF DATA

SENSOR OR OPTION

INE	1
Accelerometer	1
Temperature probe	1
Altitude change option (for vertical winds)	RA
Static pressure	Rosemount fuselage
Dynamic pressure	Rosemount fuselage
Time source	Micro 29
Constants file	CO2885.CON

Notes:

There were several data gaps during the flight. These gaps occurred from

202451Z - 202500Z
214741Z - 214750Z
235211Z - 235230Z
001511Z - 001530Z
015951Z - 020010Z
021551Z - 021600Z

The down radiometer malfunctioned during the entire flight and gave anomalous values.

Several spikes in Rosemount static pressure were removed at or between the following times,

203830Z
213201Z - 213600Z
214501Z - 215000Z
220200Z
230100Z
001000Z
001600Z
011501Z - 011900Z
012001Z - 013000Z
014001Z - 015000Z
033200Z
034101Z - 034300Z
035501Z - 040000Z
043301Z - 044000Z
044501Z - 045000Z
050301Z - 050900Z

The TW1 parameter had a spike removed at 2030Z.

Total temperature one, TT1, was patched between 034801Z - 035400Z.

The dynamic slip pressure, DBP, had spikes removed at

205301Z - 210000Z
021701Z - 022000Z

Aircraft positions were renavigated with respect to good VOR fixes.
There was no LORAN-C available due to hardware problems.

	Take off -----	Landing -----
Aircraft static pressure	1013.4mb	1015.2mb
Corrected tower pressure	1012.8mb	1014.6mb

Flight meteorologist: A. BARRY DAMIANO

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

FLT ID: H880909	FM: MFA	TO: MFA
FLT NO: 88-54	BLK IN: 0517Z	ATA: 0511Z
ETD: 2000Z	BLK OUT: 1958Z	ATD: 2008Z
ETE:	BLK TIME: 9:19	FLT TIME: 9:03
SPONSOR ORG: HRD	PROGRAM: HURRICANE RESEARCH	PURPOSE: FLT INTO H. FLORENCE

OAO PERSONNEL

AC TICKNOR	SYS ENG De GRANUT
CP ELLERS / LAYDON	DATA SYS ROLES
NAV NOKUTIS	RADAR GONZALEZ
FE MOORE / WADE	BT/ODW
RADIO	CLD PHYS
FD DAMIANO	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
MARKS, F	DOPPLER	HRD
GAMACHE	{	{
DORST	}	}

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

SP 1.5 low at T/O at 1000 FT

Rd DPT 2030Z

Down radiometer was not working for entire flight

5 penetrations

CAL LPS

101

CAL

U.S. DEPT. COMM./NOAA/DOD - DATA SECTION WORK FORM NO.2 DROWF2 FILE

FLT ID: H880909 TIME OFF: 2008 TIME ON: 05/1/2

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	PS 1013.4 SP 1011.6	CALCULUS 1013.0 TWR 29.92/1013.0	PS 1015.2 SP 1017.4	CALCULUS TWR 29.97/1014.8

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES	1	
FAST FLT LVL TAPES		
RADAR TAPES	14	
DOPPLER TAPES	9	
ODW CASSETTES		
HARD COPIES		
AXBT		
AXCP		
ODW		

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS

1000
970

1010

97

[Handwritten signature]

LND
1100 FT
SP 1013.0