



N42RF ERROR SUMMARY DISTURBANCE OVER PUERTO RICO



Flight ID: 080815H

<u>Sensor or system</u>	<u>Number or Name</u>
Inertial	INE1
Accelerometer	ACC1
Temperature Probe	TT1
Dew Point Probe	TDM2X (EdgeTech)
Static Pressure	PSF
Dynamic Pressure	PQF1
Vert. Wind	RA159X
Constants File	n42_hur08v3.adc
Project Directory	/acdata/2008/hur08

Notes:

There were no data gaps. No lag was observed between the two inertial outputs.

There were no liquid water sensors available for the flight.

Measured dewpoint temperature #2 (EdgeTech)...TDM2...exhibited several time periods of erroneous data throughout the flight. During the following time frames:

164843Z – 164906Z, 180224Z – 180259Z and 181038Z – 181057Z the erroneous data was removed by substituting TDM3(Maycomm/TDL) output,

$$\text{TDM2} = \text{TDM3}$$

For the following time frames erroneous TDM2 data was removed and replaced using statistical techniques: 164945Z – 164959Z, 165003Z – 165020Z, 173249Z – 173306Z, 182031Z – 182036Z and 182131Z – 182134Z.

All other instruments worked optimally during the flight.

Fourteen (14) GPS dropsondes were deployed with 12 being good. Twelve tempdrop

messages were sent to NHC.

	Takeoff 1456Z	Landing 2259Z
Aircraft Static Pressure	1007.8mb	1006.3mb
Corrected Tower Pressure	1008.5mb	1007.4mb
Flight Director:	A. Barry Damiano	(813) 828-3310 ext. 3073

U.S. Dept. of Commerce / NOAA / Aircraft Operations Center

AOCWF1

Flt ID: 080815H	From: TBPB	To: TBPB
Flt No: 08-052	Blk In: 23052	ATA: 22592
ETD: 15002	Blk Out: 14492	ATD: 14562
ETE:	Blk Time: 8:16 (8.3)	Flt Time: 8:03 (8.1)
Sponsor Org: EMC	Program: HURRICANE	Purpose: DIST. OVER PUERTO RICO

AOC Personnel

AC: GIRIMONTE ✓	Sys Eng:
CP: NELSON ✓	Data Sys: PEEK ✓
Nav: SIEGEL ✓	Radar:
FE: MADE/BAST	GPS/BT: RASCO / BOSKO
FD: DAMIANO	Cld Phys:
Avionics: OLNEY	

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
ABERSON -	PI	HRD
ROGERS -	PI	
LEIGHATON -	ASST PI	
MURILLO -	ASST PI	

Proposed/Actual Mission Remarks (Recco, Fixes, Storm, PENET, NHOP #)

26 1614 1500502 went to GPS alt

OEDDA WAVE
TEAL 72

IP1717'N
6648'W

339.0 8.7
8.1 8.1
2.7 8.1

30
26

U.S. Dept. of Commerce / NOAA / Aircraft Operations Center					AOCWF2
Flt ID: 08081514		Time Off: 1456Z		Time On: 2259Z	
A/C (Take-Off)		Wx Station (Take-Off)		A/C (Land)	
Pressure 1007.8		29.95 1014 msl		1006.3 29.89 1012	
Number		Data Disposition / Date / Quality			
Flt Lvl Tapes 2					
Radar Tapes 1					
Cloud Physics Tapes					
Video Tapes					
AXBT					
AXCP					
AXCTD					
Dropsondes 14 14		12 good 2 bad ; 2 bad; 12 messages sent 1 NHC; 6 HRD; 7 EMC			
Video					
	Forward	Left Side	Right Side	Down	Remarks
Time On					
Time Off					
Rate					
Remarks					

080815H

NO Data Gaps

INE1

ACC1

TT1

TDM2

PSF

PQFI

RA159

RA159 = RA9550

14⁵³01 - 145913

225914 - 230300

TDM2

~~TDM2~~ fixer

TDM2 = TDM3

164843 - 164906 ✓

✓ 164948 - 164959 alone patch .5

✓ 165003 - 165020 alone patch .35

✓ 173249 - 173306 with TDM3
remove patch .35

✓ 180224 - 180254 TDM2 = TDM3

✓ 181038 - 181057 TDM2 = TDM3

✓ 182031 - 182036 alone patch .70

✓ 182131 - 182134 alone patch .35

DPT

DPT

Project: Hurricane '08

Mission : AL 92

Flight ID: 080815 17

Take Off: 1055

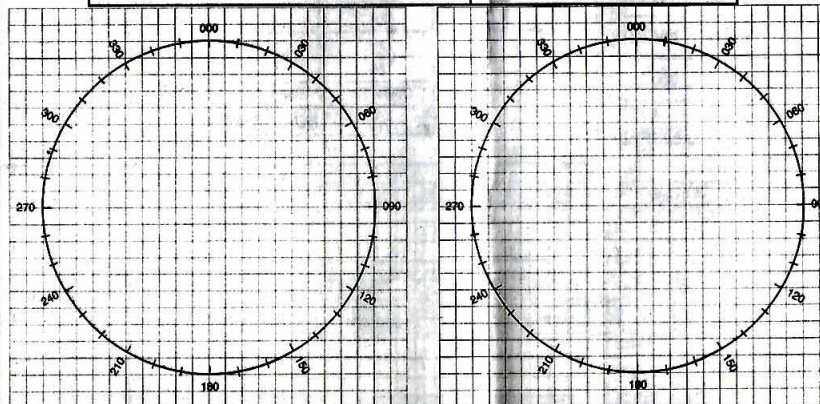
Landing :

Flt Dir: *Damian*

Launcher S/N:212

[illegible]

PAGE ____ OF ____



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

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:

MAYDAY, MAYDAY, MAYDAY
THIS IS NOAA _____, NOAA _____, NOAA 42

- 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 14 SOULS ON BOARD
- NATURE OF EMERGENCY
- ASSISTANCE DESIRED
- PILOT INTENTIONS
- WE HAVE ENDURANCE REMAINING

[illegible]