



N42RF ERROR SUMMARY DISTURBANCE NEAR HISPANOLA



Flight ID: 080923H

<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	GPS(Blended)
Constants File	n42_hur08v3.adc
Project Directory	/acdata/2008/hur08

Notes:

There was one data gap: 200701Z - 200710Z.

No lag was observed between INE1 and INE2 outputs.

There were no liquid water sensors available for the flight.

The APN-159 (RA159X) was inop for the entire flight. The blended GPS altitude from INE1 (ALTI1) was used.

Measured dewpoint temperature #2 (EdgeTech)...TDM2...exhibited several time periods of erroneous data during the flight. For 213947Z – 214007Z, 021425Z – 021439Z and 024335Z - 024626Z the erroneous data was removed by substituting TDM3(Maycomm/TDL) output,

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

For 000255Z – 000528Z the erroneous TDM2 data was removed by substituting TDM1(Buck) output,

$$\text{TDM2} = \text{TDM1}$$

All other instruments worked optimally during the flight.

Six (6) GPS dropsondes were deployed with all being good. Six (6) tempdrop messages were sent to NHC.

	Takeoff 1954Z	Landing 0346Z
Aircraft Static Pressure	1013.9mb	1015.9mb
Corrected Tower Pressure	1014.2mb	1016.3mb

Flight Director: A. Barry Damiano (813) 828-3310 ext. 3073

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

AOCWF-1

Flt ID: 080923H	From: KMCF	To: KMCF
Flt No: 08-069	Blk In: 0354	ATA: 0346Z
ETD: 2000Z	Blk Out: 1944Z	ATD: 1954Z
ETE:	Blk Time: 8:10 (8.2)	Flt Time: 7:52 (7.9)
Sponsor Org: EMC/NESDIS	Program: HURRICANE	Purpose: DISTURBANCE NEAR HISPANIOLA

AOC Personnel

AC: NELSON ✓	Sys Eng:
CP: GIREMONTE ✓	Data Sys: ROLES ✓
Nav: SIEGEL ✓	Radar:
FE: WADE / BAST	GPS/BT: BOSKO / MILLER
FD: DAMIANO ✓	Cid Phys:
Avionics: OLNEY	

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
CHANG, P ✓	PI	NESDIS
JELENAK, Z ✓	ASST. PI	NESDIS
MANUS, J ✓	C-SCAT	UMASS
ABERSON, S ✓	PI	HRD HRD
SELLWOOD, C ✓	HAPS	↓
MURILLO, S ✓	HAPS	↓

Proposed/Actual Mission Remarks (Recco, Fixes, Storm, PENET, NHOP #) NOAA2 04FFA WAVE

TA went down but
 brought up quickly
 first day HRD sent
 out a "IKE" warning

202 TEAL 72 21N° 72° 30'
 IP

19N 67W

May 9
 delay to

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

AOCWF2

Flt ID: 080923H Time Off: 1954Z Time On: 0346Z

	A/C (Take-Off)	Wx Station (Take-Off)	A/G (Land)	Wx Station (Land)
Pressure	1013.9	29.96 1014.2	1014.6 1015.9	30.02 1016.8 1016.3

	Number	Data Disposition / Date / Quality
Flt Lvl Tapes	2	
Radar Tapes	1	
Cloud Physics Tapes		
Video Tapes		
AXBT		
AXCP		
AXCTD		
Dropsondes	6	All good; 6 messages sent. All NESDIS

Video

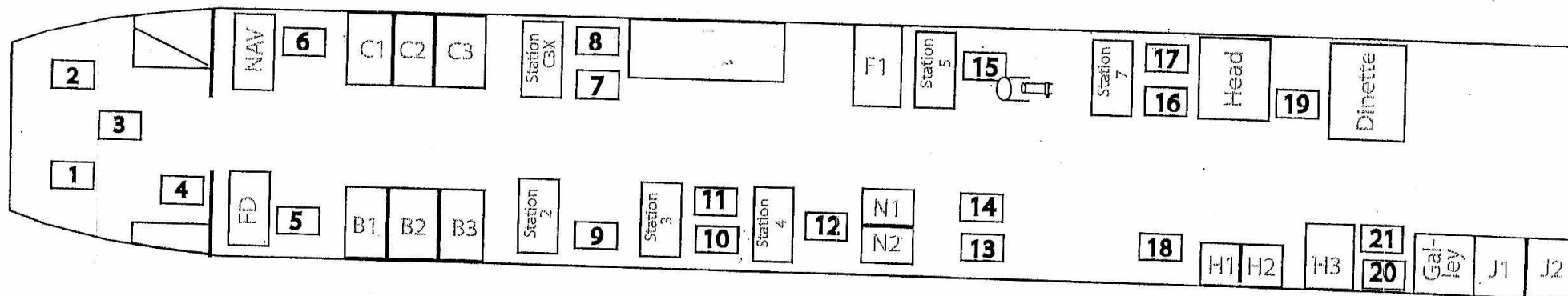
	Forward	Left Side	Right Side	Down	Remarks
Time On					
Time Off					
Rate					

Remarks

Joe Steinberg
Seen

NOAA AIRCRAFT OPERATIONS CENTER

Flight ID 080923H



1. NELSON
PILOT

2. GIRIMONTE
COPILOT

3. WADE
FLIGHT ENGINEER

4. CHANG
STATION 1

5. DAMIANO
FLIGHT DIRECTOR

6. STEGEL
NAVIGATOR

7. BAST
STATION C3X

8. _____
STATION C3X

9. ABERSON
STATION 2

10. MURILLO
STATION 3

11. SELLWOOD
STATION 3

12. ROLES
STATION 4

13. MILLER
PROJECT SEAT

14. _____
PROJECT SEAT

15. BOSKO
STATION 5

16. TELENAK
STATION 7

17. MANUS
STATION 7

18. OLNEY
STATION 8

19. _____
DINETTE

20. _____
GALLEY

21. _____
GALLEY

N42RF AVAPS DropSonde Log

Project: o.w. AL93 Flight ID: 080923h Flt Dir: BARRY D.

Mission: AL93 Flight #: 1 Status: Sys 1 ☒ Sys 2 ☒

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. Offset	Winds time	Operator Initials	Comments /Status/ Failure Reason	\$	Good ☒
1	063549057	1	2245	0	10	WRO		PED	☒
2	062839304	1	2333	0	12	1			☒
3	062929020	2	0006	-1.5	7	1			☒
4	062839186	4	0029	-1.8	10	JP			☒
5	062839113	1	0054	0	5				☒
6	062839318	2	0114	0	5				☒
7	062929063	3							
8									
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\$ Codes A = AOC

N = NHC/NWS

H = HRD

OW = NESDIS

____ = ____ = ____

