



N42RF ERROR SUMMARY

H. IKE NEAR THE TEXAS COAST



Flight ID: 080912H

<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: 210741Z – 210746Z.

Beginning with the H080829 H. Gustav flight and continuing through the H080912 H. Ike flight, there was observed a 3 to 4 second lag between all INE1 and INE2 outputs. INE1 was selected since it best corresponded with the analog output.

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 a time period of erroneous data during the flight. For 000253Z – 000516Z the erroneous data was removed by substituting TDM1(Buck) output,

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

All other instruments worked optimally during the flight.

Twenty-one (21) GPS dropsondes were deployed with 20 being good. Twenty (20)

tempdrop messages were sent to NHC.

Ten (10) AXBTs were deployed with seven (7) being good.

	Takeoff 2104Z	Landing 0526Z
Aircraft Static Pressure	1013.8mb	1016.3mb
Corrected Tower Pressure	1014.0mb	1016.6mb
Flight Director:	A. Barry Damiano	(813) 828-3310 ext. 3073

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AOCWF1

Flt ID: 080912H	From: KMCF	To: KMCF
Flt No: 08-65	Blk In: 0533Z	ATA: 0526Z
ETD: 2100Z	Blk Out: 2053Z	ATD: 2104Z
ETE:	Blk Time: 8:40 (8.7)	Flt Time: 8:22 (8.4)
Sponsor Org: NESDIS	Program: HURRICANE OCEAN WINDS	Purpose: H. IKE IN W. Gulf of Mexico

AOC Personnel

AC: NELSON	Sys Eng:
CP: GIRMONTA / NEWMAN	Data Sys: ROLES ✓
Nav: SIEGEL ✓	Radar:
FE: BAST ✓	GPS/BT: BOSKO / GREENEV ✓
FD: DAMIANO ✓	Cld Phys:
Avionics: OLNEY ✓	DARBY ✓

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
CHANG, P ✓	PI	NESDIS
CHU, T ✓	C-SCAT	UMASS
STENKIEWICZ ✓	OBS	NWS / NCEP / OPC
MARKS, F ✓	HAPS	HRD
BLACK, B ✓	HAPS	HRD
McFADDEN ✓	??	AOC

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

BTs at 90W 0116Z SAT OVERPASS
 AF 2039Z 27°54' 93°21' 952mb
 28°14' 952E 93°56' 2325Z
 28°20' 0039 94°14' 95NEX
 28°20' 950EXT 94°16' 0121Z
 28°22' 0144Z 94°15' E950mb
 28°28' 951E 94°15' 0206Z
 28°33' 0238Z 94°27' 951E
 NOAA2 WXXWA IKE 1721Z
 TEAL 71 34091A AF 27°19' 92°55'
 CARRAH changed at 170
 28°35' 0304Z 94°27' 951mb
 28°48' 90°40' oil rig fire
 IP 28°12' 92°07'
 7

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AOCW/P2

Flt ID: 080912H Time Off: 2104Z Time On: 0526Z

	A/C (Take Off)	Wx Station (Take Off)	A/C (Land)	Wx Station (Land)
Pressure	1013.8	29.95 1014.5 1014.0	1016.3	30.03 1017.1 1016.6

	Number	Data Disposition / Date / Quality
Flt Lvl Tapes	2	
Radar Tapes		
Cloud Physics Tapes		
Video Tapes		
AXBT	10	7 good; 3 bad
AXCP		
AXCTD		
Dropsondes	21	20 good; 1 bad; 20 messages sent

Video

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

Remarks

29.97
2002x
34
23

INE1

080912H

Data gaps

ACC1

210741-210746

TT1

DW2

DW2=DW1

PSF

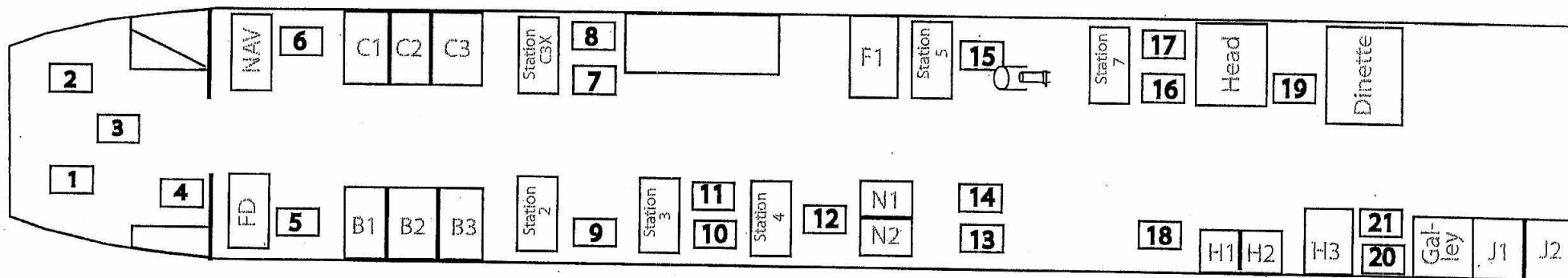
000253 - 000516

PQF1

Blended GPS

NOAA AIRCRAFT OPERATIONS CENTER

Flight ID 080912H



1. G. IRIMONTE
PILOT

2. NELSON
COPILOT

3. BAST
FLIGHT ENGINEER

4. CHANG
STATION 1

5. DAMIANO
FLIGHT DIRECTOR

6. SIEGEL
NAVIGATOR

7. NOFF DUTY PILOT
STATION C3X

8. GREENE
STATION C3X

9. McFADDEN
STATION 2

10. MARKS
STATION 3

11. BLACK
STATION 3

12. ROLES
STATION 4

13. ~~GREENE~~ OLNEY
PROJECT SEAT

14. _____
PROJECT SEAT

15. BOSKO
STATION 5

16. CHU
STATION 7

17. SIENKIEWICZ
STATION 7

18. DARBY
STATION 8

19. _____
DINETTE

20. _____
GALLEY

21. _____
GALLEY

N42RF AVAPS DROP LOG

Mission: IKE

Flight ID: 080912

Take Off: 1702L

Landing:

File Dir: DAMIANO

Launcher S/N:

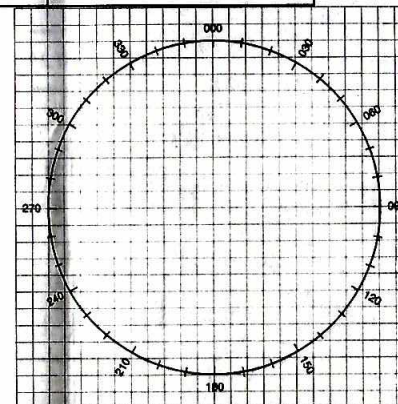
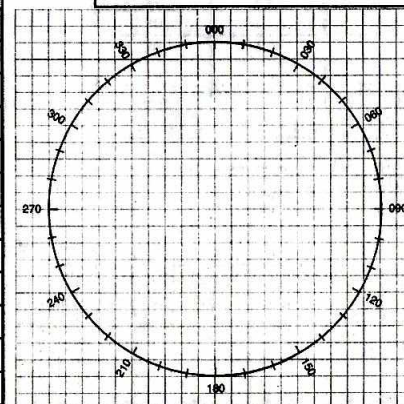
25-

4 No SAs

828 ^{Base Ops} 2321 / ^{Card Pos} 4361

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 42, NOAA 42, NOAA 42

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

- HEADING	TRUE/MAG
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- AT KTS TRUE/INDICATED

- FLIGHT LEVEL OR ALTITUDE

- WE ARE A P-3 AIRCRAFT WITH 17 SOULS ON BOARD

- NATURE OF EMERGENCY

- ASSISTANCE DESIRED

- ASSISTANCE DESIGNED TO
- PILOT INTENTIONS

- WE HAVE ENDURANCE REMAINING

[illegible]

