

U.S. Dept. of Commerce / NOAA Aircraft Operations Center		
Flt ID: 1007244	From: KMEF	To: KMEF
Flt No: - 049	Blk Int: 1917	ATA: 1902
ETD: 202	Blk Out: 1328	ATD: 1334
EIE: 5+30	Blk Time: 5.9	Flt Time: 5.5
Sponsor Org: HRD	Program: HURRICANE	Purpose: OHC

AOC Personnel	
AC: GIRIMONTE	Sys Eng: HILL
CP: KIBBEY	Data Sys: BOSKO
Nav: BRAKOR	Radar: CARPENTER
FE: KLLAPPEL / DARBY	GPS/BT: PAUL
FD: SEARS / FLAHERTY	Cld Phys: RICHARDS
Avionics:	

Participating Scientists / Visitors / AOC		
Name (Last, First)	Activity on Aircraft	Affiliation
SHAY		
MEYERS P		
RHE		
RIOS-BERGLIOS		

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

1017.3
1017.1

N42RF ERROR SUMMARY

Ocean Heat Content



Flight ID: 100724H



<u>Sensor or system</u>	<u>Number or Name</u>
INE (for wind derivation)	INE1
Accelerometer	ACC1
Temperature Probe	TT1
Dew Point Probe	TDM2X (EDGETECH)
Static Pressure	PSF
Dynamic Pressure	PQF1
Vert. Wind	ALTI1
Constants File	n42_deepwaterv1.adc
Project Directory	/acdata/2010/MET/100724H

Notes:

There were no data gaps.

The EdgeTech dewpoint probe (TDM2) exhibited erroneous data during the following time periods: 195121Z – 195135Z. These data were modified by direct substitution with values from the Buck dewpoint probe (TDM1),

TDM2X=TDM1

There were 6 total dropsondes deployed; 6 were good, 0 failed.

There were 36 total AXBTs deployed; 33 were good, 3 failed.

Takeoff/Landing data: Data during landing and takeoff are potentially suspect. It is recommended that ground data not be used for scientific analysis.

SPECIAL NOTE!!! The variable names dpj_wgs, dpj_was, and dpj_wz in the netCDF file represent vertical ground, vertical air, and vertical wind speeds respectively, computed using Dave Jorgensen's vertical wind algorithm. It is recommended that these values be used for vertical wind analysis.

	Takeoff 1334Z	Landing 1902Z
Aircraft Static Pressure	1017.3mb	1017.1mb
Corrected Tower Pressure	1017.8mb	1017.0mb
Flight Director:	Paul Flaherty/ Ian Sears	(813) 828-3310 ext. 3094/3039

N42RF AXBT DROP LOG

Project : Hurricane '90

Mission : BonnieFlight ID : 100724 HOperators : Todd Richards, Steve PaulTake Off : 1736 Z

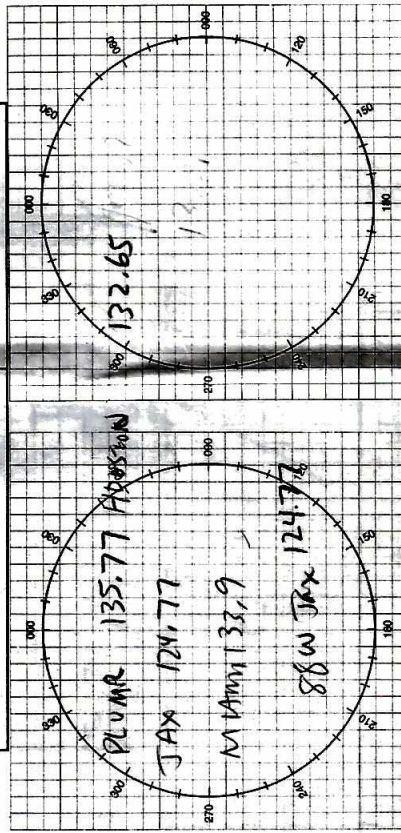
Landing : _____

Drop #	Drop Time	Channel	Tube	Lot	Comments	Good
1	1816	12		016	Coax @ B.H. Discs	—
2	1820	12		022		✓
3	1828	12		016	Pud	—
4	1831	12		016		✓
5	1841	12		016		✓
6	1847	12		018	+ Sonde	✓
7	1854	12		022		✓
8	1900	12		030		✓
9	1907			016		✓
10	1914			022		✓
11	1924			018	+ Sonde	✓
12	1930			016		✓
13	1937			016		✓
14	1943			088		✓
15	1950			016	+ Sonde	✓
16	1956			088		✓
17	2002			022		✓
18	2009			022		✓
19	2016			022		✓
20	2026			030		✓
21	2032			022		✓
22	2038			018		✓
23	2044			030	Signal goes in/out	X
24	2050			018	+sonde	✓
25	2057			022		✓
26	2104			021		✓
27	2110			18		✓

2257F

[illegible]

TIME	FIX TYPE	POSITION	INS 1 POSITION	K ERR	INS 2 PC
1723	ENG	N	N		P
1728	BK	W	W		W
1728	ENG	27-45.7	27-45.7	0	27
1734	BK	82-31.9	82-31.9	0	82
1736	XV	25-44.5	25-44.5		25
1836	Δ	88-55.2	88-55.2		88
1927	Δ	26-29.9	26-30.8	-0.9	26-
2027	Δ	89-04.8	89-04.9	-0.1	89-
2027	Δ	27-15.5	27-17.5	-2.0	27-
2027	Δ	85-31.7	85-30.8	+0.9	85
2027	Δ	27-59.9	28-02.5	-2.6	28-
2027	Δ	89-10.4	89-10.5	-0.1	89
2027	Δ	27-57.8	27-50.9	6.9	27
2027	Δ	84-30.6	84-29.4	+1.2	84
2306	LAND				
2317	BK				



SITION	K ERR	MH	VAR +E-->	TH	IDR +R-->	TRK	GS	WD	WS	ALT	TAS	NEXT PT	DIST	TIME	ETA	REMARKS
152.7	0					262	218	135	18	4.5	206	QUMR				MCF 1956 ✓
31.9	0					277	258	150	15	6.0	253	4				
19.9	0					088	247	350	1	6.0	247	12				
03.2	-3.3					292	258	155	15	6.0	250	21				
10.4	0					048	249	035	15	6.0	256	30				
02.1	0					094	270	150	10	6.0	275	QUMR				

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/CW HF/CW MF/CW
243.0 121.5 2182 KHZ 8364 KHZ 500 KHZ

MAYDAY, MAYDAY, MAYDAY
THIS IS NOAA _____, NOAA _____, NOAA 42 _____
N/S E/W AT _____ Z

- POSITION _____

- HEADING _____ TRUE/MAG _____

- AT _____ KTS TRUE/INDICATED _____

- FLIGHT LEVEL OR ALTITUDE _____

- WE ARE A P-3 AIRCRAFT WITH 16 SOULS ON BOARD

- NATURE OF EMERGENCY _____

- ASSISTANCE DESIRED _____

- PILOT INTENTIONS _____

- WE HAVE _____ ENDURANCE REMAINING _____

2001 28-08N 87-18W 285/10