

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

Flt ID: 2011018H1	From: KMCF	To: KMCF
Flt. No: 11 -	Blk In: 2336z	Time On: 2325z
ETD: 16Z	Blk Out: 1550z	Time Off: 1558z
ETE: 8 + 30	Blk Time: 7 + 46 Hrs (7.8)	Flt Time: 7 + 27 (7.5) Hrs
Sponsoring Org: HRD	Program: OHC	Purpose: AL95

AOC Flight Crew

Aircraft Commander: Newman	Data System: Bosko
Co-Pilot: Kibbey, Kerns	AVAPS: Richards
Navigator: Sloan	System Eng: Paul
Flight Eng: Klippel, Heysteck	AA:
Flight Director: Parrish, Williams	AA:
Avionics: Olney	Crew Chief:

Participating Scientists / Visitors

(16)

Name (Last, First)	Activity on Aircraft	Affiliation
Jaimes, Benjamin	PT	UM / HRD
Brewster, Jodi	Sci	UM
McClaskill, Claire	Sci	UM
Yeoman, David	Obs	UM

Remarks (Storm Name, Mission ID, Recco Times, Fix Times)	<u>Recco Times</u>	<u>Fix #</u>	<u>Fix Time</u>
	Storm Name: _____ Mission ID: _____ H.D. Ocean Heat-CutF Loop Current ✓		

(See reverse for additional remarks)

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Flight ID: 20111018H

Time Off: 1558Z

Time On: 2325

A/C - Takeoff

Wx Station - Takeoff

A/C - Land

Wx Station - Land

Pressure

1007.1

1067.0 / 29.75

1001.9

1002.2 29.61

Number

Data Disposition / Date / Quality

Flight Level Tapes

Radar Tapes

Cloud Physics Tapes / CDs

Video Tapes

Dropsondes

Good: Bad:

AXBT

AXCP

AXCTD

Remarks:

10012618

27 51' D
82 29.6' W



NOAA P-3 N42RF Error Summary

Gulf Ocean Heat Content

18 Oct 2011



Flight ID: 20111018H1

<u>Sensor or system</u>	<u>Variable Name</u>
Inertial (for wind derivation)	inel
Accelerometer	acc1
Temperature Probe	tt1
Dew Point Probe	tdm2
Altitude (for vertical wind)	alti1X
Static Pressure	psf
Dynamic Pressure	pqf1
Constants file	/acdata/adc/42_11v5.adc
Flight Directory	/acdata/2011/MET/20111018H1

<u>Local Met Data:</u>	<u>Takeoff (1558Z)</u>	<u>Landing (2325Z)</u>
Aircraft Static Pressure	1007.1 mb	1001.9 mb
Tower Pressure	1007.0 mb	1002.2 mb

Notes

There were three data gaps, during these data gaps all the digital data went to zero but the analog data had a gap. The times were: 180534Z – 180551Z, 194323Z – 194432Z, and 224938Z - 225034Z.

Alti1 stair stepped erroneously from 173831Z – 173834Z, and altnvl, novatel altitude was used to substitute in for this stairstep using the following equation: $\text{alti1X} = \text{altnvl} + 2.39 \text{ offset}$. Alti1X is default.

There were periods where the dewpoint temperature exceeded the ambient temperature resulting in RH values > 100%. This was likely due to heavy rain, a wet-bulb effect on the total temperature sensor, and/or an artificial warming of the dewpoint sensor as it tried to burn off excess moisture. Corrections were not made to the data.

All other instruments appeared to work optimally.

A total of 89 instruments were dropped from the aircraft:
20 Dropsondes, 19 AXBT's, 25 AXCP's, 25 AXCTD's

Flight Director:
Phone #:

Jessica Williams/Jack Parrish
(813) 828-3310 ext. 3140

Playback Log

Flight Number 20111018H1

Takeoff Time _____

Storm _____

AXBT/AXCP Contract Number _____

Landing Time _____

Probe Seq. Number	AXCP AXBT AXCTD	Channel Number	Serial Number	Actual Drop Time	Actual Lat Deg Min	Actual Long Deg Min	SST	MLD	H20	H26	Comments
01	BT	12									
02	BT	14									
03	BT	12									
04 D	CP	14	1091086								
05	CT	16	1107396.5								
06 D	BT/CT	12/14	10069083								
07	CT	16	0905396.8								
08	CP	14	1009109								
09	BT	17									
10 D	CP	16	1009100								
11	CT	14	10069084								
12	BT	12									
13	CT	16	1107392.2								
14	CP	14	1062101								
15 D	CP	12	10101014								
16	CT	16	1107392.9								
17	CT	14	10069089								
18	CT	12	10069083.7								
19	CT	16	1107392.6								
20	CP	14	1021010								
21 D	CP	12	10010102.2								
22	BT	16									
23	BT	14									
24	BT	12									
25	CT	16	1107393.2								

CP { 16: 4
 14: 11
 16: 8
 25
 19

CT { 16: 4
 14: 10
 16: 13
 25

BT { 16: 13
 14: 3
 16: 1
 19

Playback Log

Flight Number 20111018H1

Takeoff Time _____

Storm _____

AXBT/AXCP Contract Number _____

Landing Time _____

Probe Seq. Number	AXCP AXBT AXCTD	Channel Number	Serial Number	Actual Drop Time	Actual Lat Deg Min	Actual Long Deg Min	SST	MLD	H20	H26	Comments
26 D	CP	14	1011006								
27	CP	12	10091019								
28 D	CP	16	10091069								
29 D	CT	14	10090042								
30 D	CT/BT	16/12	10069112								
31 D	CT	14	10090069								
32 D	BT	12									
33	CP	14	10121013								
34 D	CP	16	11021002								
35	BT/CT	12									
36	BT	14									
37	CT/BT/CT	16/12	1009104								
38	BT	12									
39	CP	14	11021004								
40 D	CP	16	11011014								
41	CT	12	10069031								
42 D	CT	14	11073918								
43	CP	16	10091031								
44	CP	12	10091058								
45 D	CP	14	10111007								
46	CT	16	11073927								
47	BT	12									
48	CT	14	11073916								
49	BT	12									
50 D	CP	16	10081019								

Playback Log

Flight Number 2011101847

AXBT/AXCP Contract Number

Takeoff Time

Landing Time

Storm

[illegible]

Geostrophic Velocity with Dynamic SSH: 10/18/2011



