

U.S. Dep't. of Commerce / OMAO / NOAA / Aircraft Operations Center

FLT ID: 20140214H2	From: CYHZ	To: CYHZ
FLT #:	Blk In: 1930Z Z	Lnd Time: 1921 Z
ETD: 1215 Z	Blk Out: 1159Z Z	T/O Time: 1208 Z
ETE: 2000	Total Blk: 7.5 hrs	Total Flt: 7.2 hrs
Sponsoring Org: NESDIS	Program: Ocean Winds	Purpose: verify sat derived winds

AOC Flight Crew

Aircraft Commander: Kibbey	SSA: Bosko
Co-Pilot: Kyrns 1 Didier	AVAPS: Newman 1
Navigator: Gallagher 1	Scientists: P. Chang
Flight Eng: Darby 1 Lalonde	Scientists: E. Jelenak
Flt Director: Holmes 1 Sears	Scientists: J. Sapp
SEB: Paul 1	Scientists: M. Behar

Crew Chief: Crouch (not flying) Visitors: Alswiss / Sienkiewicz 1

A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure			

AS REQUIRED BY ORM	YES / NO	REMARKS
VOLCANIC ASH	✓	
SCIENCE MISSION WITHIN BOUNDARY LAYER	✓	
LACK OF PRECIPITATION	✓	
RELATIVE HUMIDITY AT OR ABOVE 80%	✓	
LARGE AIR-SEA TEMPERATURE GRADIENT	✓	
HIGH SURFACE WINDS	✓	
LONG FETCH AND/OR DURATION OF SFC WIND	✓	
SEA SALT ACCRETION FORECAST	✓	
SEA SALT ACCRETION OBSERVED	✓	

Dropsondes 12 Good: 12 Bad: 0 Sent: 0

AXBT 3 Good: 3 Bad: 0 Sent: 3

List other data sources in Remarks section

Remarks (Storm VDM Identifier, Mission ID, Fix Times)	Fix #	VDM Ob Num	Fix Time / SLP
Storm Number Identifier (VDM): (ie: AL072012)			
TCPOD/WSPOD Mission ID: (ie: NOAA2 2418A SANDY)			

Remarks:



N42RF ERROR SUMMARY

Ocean Winds Flight

14 February 2014



Flight ID: 20140214H1

Sensor or system

Static Pressure Probe
Dynamic Pressure Probe
Total Temperature Probe
Dewpoint Temp. Probe
Vertical Accelerometer
Altimeter
INE Selection
Differential Attack Pressure Probe
Differential Sideslip Pressure Probe
Dynamic Attack Pressure Probe
Dynamic Sideslip Pressure Probe
Flight Directory

Number or Name

PSM.2
PQM.2
TTM.1
TDM.2X
AccZfilterI-GPS.1
AltIGPS.3
1
PDALPHA.1
PDBETA.1
PQALPHA.1
PQBETA.1
acdata/MET/2014/20140214H1

Local Met Data:

Aircraft Static Pressure
Tower Pressure (corrected)

Takeoff (1208Z)

964.8 mb
964.9 mb

Landing (1921Z)

958.9 mb
958.3 mb

Notes:

The measured Dewpoint Temperature from the EdgeTech sensor (TDM.2) recorded unusually warm temperatures during the ascent to transit altitude. TDM.1 (Buck) recorded more realistic values and therefore was substituted in place of TDM.2 between 12:32:00Z and 12:59:00Z.

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.

Expendable Type	Number deployed	Number good	Number of messages transmitted
GPS dropwindsonde	12	12	0
AXBT	3	3	3
Test Sondes	0	0	0

Flight Director:
Phone #:

Mike Holmes
(813) 828-3310 ext. 3140

NOAA • AOC • SED N42RF AVAPS DROP LOG

Lead Tech: Joe Bosco

Project: Hurricane 2013 Mission: Deep Water Winter #7 Flight ID: 20140214 #1Take Off: 1208ZLanding: 1921ZFlt Dir: Follow / S.W.

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
BT 16	1	114 335 087	1	-24	134405	JRA	NE 215	✓
	2	112 815 059	2	0	143000			✓
BT 16	3	114 325 066	3	-5	152605			✓
BT 16	4	112 815 007	4	0	163005			✓
	5	114 325 044	5	-6	170502			✓
	6	114 425 032	6	0	171723			✓
	7	112 815 006	7	0	172740			✓
	8	114 425 029	8	0	180015			✓
	9	112 815 014	1	0	180051			✓
	10	114 315 080	2	0	181837			✓
	11	112 815 085	3	0	182015			✓
	12	114 335 085	4	0	182458			✓
	13							
	14							
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C 1208Z
~~1208Z~~
 C 1208Z

1921Z
~~1921Z~~

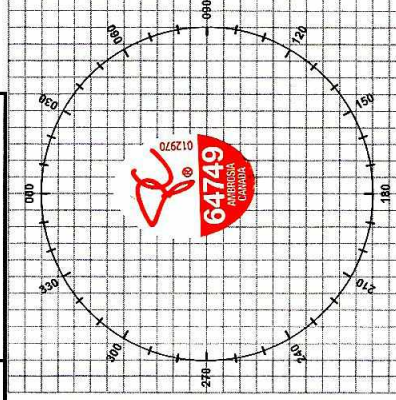
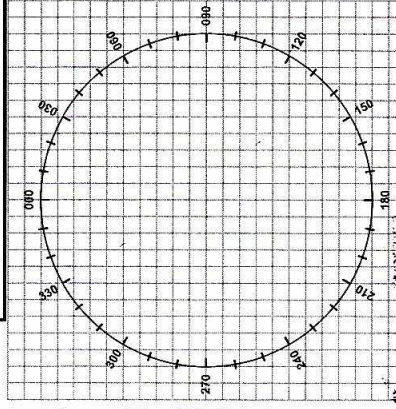
52

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CLEARANCES

[illegible]

MISSION LOG



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 NOAA NOAA

- POSITION
N / S

HEADING	TRIPLE/MAG
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1.01	1.01
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-LEADING _____ TRUE/NAO
-AT _____ KTS TRUE/INDICATED

- AI _____ KNOWLEDGE/INDICATE
- FLIGHT LEVEL OR ALTITUDE

- WE ARE A P-3 AIRCRAFT WITH

NATURE OF EMERGENCY

-ASSISTANCE DESIRED

- PILOT INTENTIONS

- WE HAVE

[illegible]