

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

FLT ID: 20140217H1	From: CYHZ	To: CYHZ
FLT #:	Blk In: 1935 Z	Lnd Time: 1927 Z
ETD: 1200 Z	Blk Out: 1136 Z	T/O Time: 1143 Z
ETE: 2100	Total Blk: 3.0	Total Flt: 7.8
Sponsoring Org: NESDIS	Program: ocean winds	Purpose: Ver. 2 sat derived winds

AOC Flight Crew

Aircraft Commander: Kibler	SSA: Bosh
Co-Pilot: Kerns 1 Didier	AVAPS: rlawham 1
Navigator: Galagher 1	Scientists: P. Chang
Flight Eng: Darby 1 Labonde	Scientists: C. Jelnick
Flt Director: Holmes 1 Sears	Scientists: J. Sapp
SEB: 1 rlawham 1	Scientists: M. Baker
Crew Chief: crosch / no flying	Visitors: 1 Sienkiewicz 1

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

AS REQUIRED BY ORM	YES / NO	REMARKS
VOLCANIC ASH	☒	overpass times AMSR 1542Z
SCIENCE MISSION WITHIN BOUNDARY LAYER	☒	OSCAT 1613 Z
LACK OF PRECIPITATION	☒	
RELATIVE HUMIDITY AT OR ABOVE 80%	☒	
LARGE AIR-SEA TEMPERATURE GRADIENT	☒	Points: 48.5N 48W
HIGH SURFACE WINDS	☒	52. N 48 W
LONG FETCH AND/OR DURATION OF SFC WIND	☒	49. N 47 W
SEA SALT ACCRETION FORECAST	☒	51. N 46 W
SEA SALT ACCRETION OBSERVED	☒	48.5N 46W

Dropsondes	8	Good: 8	Bad: 0	Sent: 0
AXBT	2	Good: 2	Bad: 0	Sent: 2

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:

Sea salt: we descended down to 3k' so as to better assess drifting
I.e. immediately encountered sea salt, then ascended back up to ~8000'



N42RF ERROR SUMMARY

Ocean Winds Flight

17 February 2014



Flight ID: 20140217H1

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/2014/20140217H1

Local Met Data:

Aircraft Static Pressure
Tower Pressure (corrected)

Takeoff (1213Z)

988.5 mb
989.4 mb

Landing (1955Z)

992.9 mb
992.7 mb

Notes:

The measured Dewpoint Temperature from the EdgeTech sensor (TDM.2) recorded exceptionally high temperature shortly after takeoff. Specifically, the dewpoint temperature exceeded the calculated ambient temperature resulting in relative humidity values greater than 105%. To mitigate these erroneous data, TDM.2 was manually corrected between 12:01:00Z and 12:06:00Z. There were also small (1 to 5 second) gaps in data noted in the ".A" file, during the period between 17:47:00 and 18:47:00 for numerous derived parameters, but post processing eliminated these data gaps.

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	8	8	0
AXBT	2	2	2
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: Area Wide Wx 28 Flight ID: 20110719Take Off: _____ Landing: _____ Flt Dir: Highway / Severe

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	114 425 243	1	Ø	1405	SCP	NE3DIS		✓
2	114 425 031	1	Ø	1425	SCP	NE3DIS		✓
3	114 325 163	1	Ø	1458	SCP	NE3DIS		✓
4	114 335 092	2	-0.5	1524	SCP	NE3DIS		✓
5	114 325 054	1	Ø	1553	SCP	NE3DIS		✓
6	114 425 008	1	Ø	161301	SCP	NE3DIS		✓
7	114 325 058	2	-0.9	161301	SCP	NE3DIS		✓
8	114 425 251	1	Ø	1638	SCP	NE3DIS		✓
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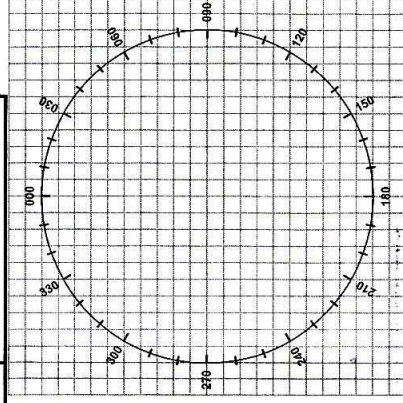
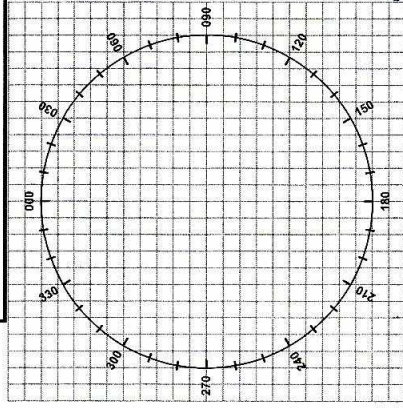
Comb. 1000z 1524z

Sonde 1613z

[illegible]

PAGE OF

POSITION REPORT



6. NEXT POSITION

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:

- PILOT INTENTIONS
- WE HAVE _____ ENDURANCE REMAINING

[illegible]