

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

FLT ID: 20140202H1	From: CYH2	To: CYH2
FLT #:	Blk In: 1648 Z	Lnd Time: 1638 Z
ETD: 1200 Z	Blk Out: 1118 Z	T/O Time: 1128 Z
ETE: 2000	Total Blk: 5.5	Total Flt: 5.2
Sponsoring Org:	Program:	Purpose: Support AT Research & Sat derived wind speeds

AOC Flight Crew

Aircraft Commander: LCDR Kibber	SSA: Bosko
Co-Pilot: LCDR Kerns, LCDR Didier	AVAPS: Newnam
Navigator: CDR Gallagher	Scientists: P. Chang
Flight Eng: Darby, Lalonde	Scientists: E. Jelenak
Flt Director: Sears, Holmes	Scientists: J. Sapp
SEB: Lynch, Ji	Scientists: M. Baker
Crew Chief: Crouch (not Arins)	Visitors: /

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

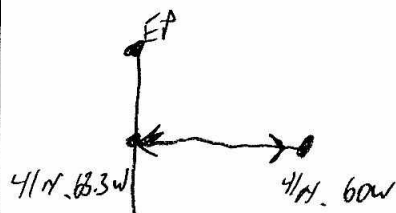
AS REQUIRED BY ORM	YES / NO	REMARKS
VOLCANIC ASH	✓	
SCIENCE MISSION WITHIN BOUNDARY LAYER	✓	
LACK OF PRECIPITATION	✓	
RELATIVE HUMIDITY AT OR ABOVE 80%	✓	
LARGE AIR-SEA TEMPERATURE GRADIENT	✓	
HIGH SURFACE WINDS	✓	
LONG FETCH AND/OR DURATION OF SFC WIND	✓	
SEA SALT ACCRETION FORECAST	✓	
SEA SALT ACCRETION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

Dropsondes	3	Good: 3	Bad: 0	Sent: 0
AXBT	3	Good: 2	Bad: 1	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:





N42RF ERROR SUMMARY

Ocean Winds Flight

2 February 2014



Flight ID: 20140202H1

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.1
AccZfilterI-GPS.1
AltIGPS.1
1
PDALPHA.1
PDBETA.1
PQALPHA.1
PQBETA.1
acdata/MET/2014/20140202H1

Local Met Data:

Aircraft Static Pressure
Tower Pressure (corrected)

Takeoff (1128Z)

996.4 mb
997.1 mb

Landing (1638Z)

993.5 mb
994.1 mb

Notes:

The selected altitude source ALTGPS.3 (Novatel) failed to capture data between ~11:58Z and ~11:59Z. ALTGPS.1 (RINU) was consistent and representative and therefore was used in place of the Novatel as the altitude source for the entire mission. The measured Dewpoint Temperature from TDM.2 (Edgetech) recorded unusually warm temperatures for large portions of the mission which resulted in unusually high relative humidity values. The Buck sensor (TDM.1) recorded more realistic values during this period and therefore was used and the dewpoint temperature source for the entire mission.

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	3	3	0
AXBT	3	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: Urban Wind Number 3 Flight ID: 20140705 141
 Take Off: 1128Z Landing: 1637Z Flt Dir: Holmes / Sears

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
BT 11	1	114425231	1	✓	133806	JM	NE2DIS	✓
ST 12	2	112815008	2	✓	143113	JM	NE2DIS	✓
	3	112815009	3	✓	151403	JM	NE2DIS	✓
	4	112815054	4	0.5				
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~~133806~~

Sonde 151403

~~143113~~

