

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

FLT ID: 20130122H1	From: CYHZ	To: CYHZ
FLT #:	Blk In: 195309 Z	Lnd Time: 1946 Z
ETD: 1600 Z	Blk Out: 1556 Z	T/O Time: 1607 Z
ETE: 5+00	Total Blk: 4.0	Total Flt: 3.7
Sponsoring Org: NESDIS	Program: PND (OWW)	Purpose: IWRAP

AOC Flight Crew

Aircraft Commander: SWEENEY	SSA: BOSKO
Co-Pilot: KIBBEY, PRICE	AVAPS: NEWNAM
Navigator: SLOAN,	Scientists: Paul Chang NESDIS
Flight Eng: HEYSTER KLIPPEL	Scientists: Zorana Jelenak NESDIS
Flt Director: HENNING DAMIANO	Scientists: Micah Baker NESDIS
SEB: MILLER RICHARDS	Scientists: Joe Sapp UMASS

Crew Chief: Visitors: 4945 m, 37m, 987, 1mb, 985.7

	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure	PSM2 985.7	atim 29.62 1004.3	PSM2 986.2 101002.8	atim 29.58 1002.9 19z

AS REQUIRED BY ORM	YES / NO	REMARKS
VOLCANIC ASH	X	
SCIENCE MISSION WITHIN BOUNDARY LAYER	X	BL 2400m (7900 FT) MAX
LACK OF PRECIPITATION	X	
RELATIVE HUMIDITY AT OR ABOVE 80%	X	1/50 IS2 T/DP -20/13 18z
LARGE AIR-SEA TEMPERATURE GRADIENT	X	MAX SST 15C PT. 2
HIGH SURFACE WINDS	X	MAX 50KTS predominant 35-45kts
LONG FETCH AND/OR DURATION OF SFC WIND	X	developing today
SEA SALT ACCRETION FORECAST	X	
SEA SALT ACCRETION OBSERVED	X	

Dropsondes	4	Good: 4	Bad:	Sent: N/A
AXBT	2	Good: 2	Bad:	Sent: 2 → SEB Server

List other data sources in Remarks section

Remarks (Storm VDM Identifier, Mission ID, Fix Times)	Fix #	Ob Num	Fix Time / SLP
Storm Number Identifier (VDM): (ie: AL072012)			
TCPOD/WSPOD Mission ID: WXWXA OCEANWINDS/3B (ie: NOAA2 2418A SANDY)			

Remarks: X3115
828-3310

4/6 985.1 pcalb 43N 63W 43N 63W
1705 > over 40N 64 40N 66W
1440 > passes 42 60W 42N 62W
X 41.5/62. X 41.5/64

CYXT - ST JOHNS
CYQM - MONCTON
CYQI - YARMOUTH

44150 42 30 64 01
44137 42 14 62 01

NOAA WP-3D N42RF ERROR SUMMARY
OCEAN WINDS WINTER 2013
22 Jan 2013 PROJECT FLIGHT #2
NESDIS (PND) CYHZ → CYHZ

Flight ID: 20130122H1

<u>Sensor or system</u>	<u>Number or Name</u>
Altitude	AltIGPS.1 (RINU)
Accelerometer	AccZfilterI-GPS.1
Dew Point Probe	TDM.2
Dynamic Pressure	PQM.2
Inertial Selected	INE1
Static Pressure	PSM.2
Temperature Probe	TTM.1
Constants File	AAMPSConfig/core/n43.xml
Flight Directory	OWW13/MET/20130122H1

Local Met Data	Takeoff (1607z)	Landing (1946z)
Aircraft Static Pressure	985.7 mb	986.2 mb
Tower Pressure (corrected)	987.1 mb	985.7 mb

Notes:

Science portion of mission from 15:16z – 18:52z flown at 7000 ft radar altitude. There was a 40 second gap in all AAMPS data from 16:55:56z to 16:56:36z.

Maycomm (TDM.3) dew point sensor was essentially unusable. TDM.2 (Edgetech), the reference, as well as TDM.1 (Buck) both performed very well throughout the mission.

All other flight level instruments worked optimally during the flight.

Vertical Winds during science portion showed a mean UWZ of -0.02 m/s. The variable names GSZ_DPJ, ASZ_DPJ and WSZ_DPJ in the netCDF file represent vertical ground speeds vertical air speeds 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.

- 4 dropsondes deployed, all 4 good, none transmitted
- 2 internally loaded AXBT deployed both good

Flight Directors: Richard Henning (813) 828-3310 ext. 3086 and A Barry Damiano

AOC GPS Dropwindsonde Log

Flight ID: 20130122H1

Flight Director: DAWLAND / HENDRICKS

Mission ID: 103X10A

Storm/Track: OCEANWLB.S13B

Pg ____ of ____

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NOAA • AOC • SED N42RF AVAPS DROP LOG

Lead Tech: Joe Bosko

Project: Ocean Winds 2013

Mission: ~~WINDS~~ WINDS

Flight ID: 20130122 JH1

Take Off: 1616Z

Landing: 1906Z

Flt Dir: Hanning

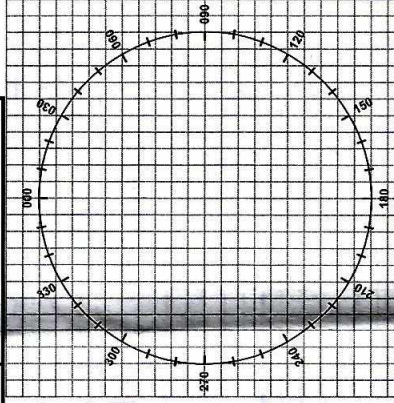
Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	112615054	1	✓	170520	JUN	NEEDS		✓
2	112515068	2	✓	171313				✓
3	112615026	3	✓	173708				✓
4	112615015	4	✓	175503	JUN	NEEDS		✓
5	112515192	5	✓					
6	112615038	6	✓					
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4214N 6201W 44137

POSITION REPORT

[illegible]

- PILOT INTENTIONS
- WE HAVE ENDURANCE REMAINING