

U.S. Dep't. of Commerce / OMAO / NOAA / Aircraft Operations Center					
FLT ID: 20140206H1		From: CYHZ		To: CYHZ via CYYT	
FLT #:		Blk In: Leg 1: 0120 Z Leg 2: 1443 Z		Lnd Time: Leg 1: 0123 Z Leg 2: 1449 Z	
ETD: 1100 Z		Blk Out: Leg 2: Z		T/O Time: Leg 2: Z	
ETE: 0100 Z		Total Blk: 10.6 hrs		Total Flt: 10.4 hrs	
Sponsoring Org: NESDIS		Program: Ocean Winds		Purpose: verify satellite-derived sfc winds	
AOC Flight Crew					
Aircraft Commander: LCDR Kibbey			SSA: M. Bosko		
Co-Pilot: LCDR Kornis, LCDR Didier			AVAPS: Munnam		
Navigator: CDR Gallagher			Scientists: P. Chang		
Flight Eng: Dorby, Lalonde			Scientists: E. Jelenak		
Flt Director: Sears, Holmes			Scientists: J. Sapp		
SEB: Peral, /			Scientists: M. Baker		
Crew Chief: Crouch (not flying) 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		☒	note: mission did not execute the planned points. stayed west and north of cold front and above 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	(31) 21 x standard 71 x AOC 10 x test	Good: 30	Bad: 1	Sent:	6
AXBT	(1)	Good: 1	Bad: 0	Sent:	1
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: BT 4.5° Sounder HHT HHT HHT HHT (10) last drop 2050Z Test sounder: HHT HHT (10) 31 total drops 1x bad 30x good					

NOAA • AOC • SED N42RF AVAPS DROP LOG

Lead Tech: Joe Bosco

Project: Hurricane 2013 Mission: Oran Wade Window 5 Flight ID: 2014201 H1Take Off: 1449Z Landing: 0112 Flt Dir: H1 - 15 knots

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	444 325 031	1	Ø	1706	SCP	AOC	test sonde for 3.6.0	✓
2	124 435 028	2	Ø	1720	SCP	AOC	test mini sonde	✓
3	114 425 250	1	Ø	1743	SCP	NESDIS	FAILED ON LAUNCH NO launch detect	X
4	124 615 121	5	Ø	1745	SCP	AOC	mini	✓
5	114 425 237	2	Ø	1744	SCP	NESDIS		✓
6	114 235 055	1	-0.5	1753	SCP	NESDIS	No PTCU-FAILED ON LAUNCH	X
7	112 815 126	1	Ø	1835	SCP	NESDIS		✓
8	130 445 070	5	Ø	1835	SCP	AOC	mini	✓
9	114 325 020	3	Ø	1842	SCP	NESDIS		✓
10	124 435 042	6	Ø	1842	SCP	AOC	mini	✓
11	112 815 171	2	-0.6	1845	SCP	NESDIS		✓
12	112 815 058	1	Ø	1848	SCP	NESDIS		✓
13	112 815 010	2	Ø	1854	SCP	NESDIS		✓
14	124 435 010	6	Ø	1854	SCP	AOC	mini	✓
15	114 425 234	1	Ø	1912	SCP	NESDIS		✓
16	124 435 274	5	Ø	1912	SCP	AOC	mini	✓
17	114 425 001	2	Ø	1920	SCP	NESDIS		✓
18	124 435 217	6	-0.4	1920	SCP	AOC	mini	✓
19	114 425 034	1	-0.6	1927	SCP	NESDIS		✓
20	130 515 094	5	Ø	1927	SCP	AOC	mini	✓
21	114 425 236	2	Ø	1939	SCP	NESDIS		✓
22	124 635 132	6	Ø	1940	SCP	AOC	mini	✓
23	114 425 235	1	Ø	1944	SCP	NESDIS		✓
24	130 515 005	5	Ø	1944	SCP	AOC	mini	✓
25	112 815 001	2	Ø	2002	SCP	NESDIS		✓
26	114 335 091	1	-1.6	2008	SCP	NESDIS		✓
27	114 335 059	3	Ø	2020	SCP	NESDIS		✓
28	114 335 089	1	-0.5	2022	SCP	NESDIS		✓
29	112 815 013	2	Ø	2026	SCP	NESDIS		✓
30	112 815 173	1	Ø	2035	SCP	NESDIS		✓
31	114 475 059	2	Ø	2050	SCP	NESDIS		✓
32								
33								
34								

10 AOC mini sondes

1 AOC sonde

20 NESDIS sondes

34/31



N42RF ERROR SUMMARY

Ocean Winds Flight

6 February 2014



Flight ID: 20140206H1

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.1X
AccZfilterI-GPS.1
AltIGPS.3
1
PDALPHA.1
PDBETA.1
PQALPHA.1
PQBETA.1
acdata/MET/2014/20140206H1

Local Met Data:

Aircraft Static Pressure
Tower Pressure (corrected)

Takeoff (1449Z)

1001.0 mb
1001.3 mb

Landing (0113Z)

1004.3 mb
1003.9 mb

Notes:

The measured Dewpoint Temperature from the Buck sensor (TDM.1) recorded unusually warm temperatures for a short period at the end of the mission which resulted in unusually high relative humidity values. TDM.2 (Edgetech) recorded more realistic values during this period and therefore was substituted in place of TDM.1 between 00:51:00Z – 01:12:00 Z.

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	21	21	0
AXBT	1	1	1
Test Sondes	10	9	0

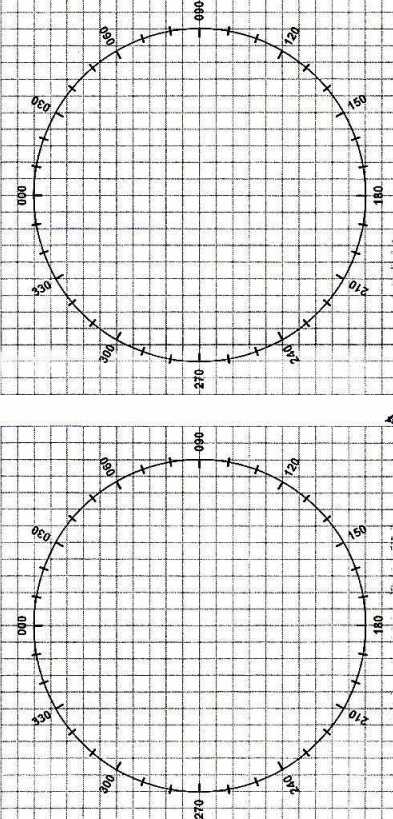
Flight Director:
Phone #:

Mike Holmes
(813) 828-3310 ext. 3140

47N45W 1830 03 43/5245/48 122.37 1 1274 8864 47N45W

CLEARANCES			OTHER
REQ	ALT	HDG	
118.37			
122.37			60202 RANNO
133.15			LOAN
			8831 11279 5071
			5016
			(813) 918 914
			1

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 _____ E / W AT _____ Z
- HEADING _____ TRUE/MAG
- AT _____ KTS TRUE/INDICATED
- FLIGHT LEVEL OR ALTITUDE _____
- WE ARE A P-3 AIRCRAFT WITH _____ SOULS ON BOARD
- NATURE OF EMERGENCY _____
- ASSISTANCE DESIRED _____
- PILOT INTENTIONS _____
- WE HAVE _____ ENDURANCE REMAINING

TIME	FIX TYPE	POSITION	INS 1 POSITION	K ERR	INS 2 POSITION	K ERR	MH	VAR +E==>	TH	DR +R==>	TRK	GS	WD	WS	ALT	TAS	NEXT PT	DIST	TIME	ETA	REMARKS
118.37	118.37																				
122.37	122.37																				
133.15	133.15																				
145	145	45-03.3 061-55.8	45-03.3 061-55.8	+1	45-03.3 061-55.8	+1	099	18W	081	2R	033	331	276	77	8000	260	6004	470	+21	1620	
155	155	45-03.3 061-55.8	45-03.3 061-55.8	+1	45-03.3 061-55.8	+1	106	18W	088	-	088	392	270	97	8000	275	6004	470	+23	1618	
165	165	45-03.3 061-55.8	45-03.3 061-55.8	+1	45-03.3 061-55.8	+1	107	16W	091	1L	090	320	265	86	71K	236	5011	42	+08	1703	
175	175	45-03.3 061-55.8	45-03.3 061-55.8	+1	45-03.3 061-55.8	+1	319	17W	312	1R	213	175	310	60	71K	230	5013	70	+05	1802	
185	185	45-03.3 061-55.8	45-03.3 061-55.8	+1	45-03.3 061-55.8	+1	085	15W	070	1R	071	331	253	97	71K	236	5015	75	+13	1906	
195	195	45-03.3 061-55.8	45-03.3 061-55.8	+1	45-03.3 061-55.8	+1	122	16W	106	2R	188	312	298	88	71K	233	5016	39	+11	2000	
205	205	45-03.3 061-55.8	45-03.3 061-55.8	+1	45-03.3 061-55.8	+1	292	16W	276	6L	270	180	291	64	71K	233	5017	298	+15	2240	
215	215	45-03.3 061-55.8	45-03.3 061-55.8	+1	45-03.3 061-55.8	+1	289	17W	272	6L	266	189	295	53	71K	232	5018	93	+43	2238	
225	225	45-03.3 061-55.8	45-03.3 061-55.8	+1	45-03.3 061-55.8	+1	287	18W	271	7L	269	203	275	75	71K	232	5019	93	+43	2238	
235	235	45-03.3 061-55.8	45-03.3 061-55.8	+1	45-03.3 061-55.8	+1	287	18W	271	7L	269	203	275	75	71K	232	5020	93	+43	2238	
0113	0113	45-03.3 061-55.8	45-03.3 061-55.8	+1	45-03.3 061-55.8	+1	287	18W	271	7L	269	203	275	75	71K	232	5021	93	+43	2238	
0119	0119	45-03.3 061-55.8	45-03.3 061-55.8	+1	45-03.3 061-55.8	+1	287	18W	271	7L	269	203	275	75	71K	232	5022	93	+43	2238	