

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

FLT ID: 20130829H1	From: KMCF	To: KMCF
FLT #:	Blk In: 1502z	Lnd Time: 1456z
ETD: 1300z	Blk Out: 1300z	T/O Time: 1311z
ETE: 1+30	Total Blk: 2.0	Total Flt: 1.8
Sponsoring Org: HURRIC RECON	Program: PRX	Purpose: WSRA/Bistatic RADAR test

AOC Flight Crew

Aircraft Commander: NELSON	SSA: BOSKO
Co-Pilot: PRICE	AVAPS: RICHARDS
Navigator: SIEGEL	Scientists: Nick RAINVILLE (Purdue)
Flight Eng: HEYSTEK DABBY	Scientists: Ivan POPSTEFANIJA (PS)
Flt Director: HENNING	Scientists: Nick SLAVICH (PS)
SEB: WARNECKE	Scientists:
Crew Chief:	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	Good:	Bad:	Sent:
AXBT	Good:	Bad:	Sent:

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: WXWXA TRAIN (ie: NOAA2 2418A SANDY)			

Remarks:

~~1158z~~
 1158z 1017.2 30.03
 1258z 1017.2 30.03
~~142z 1017.5 30.03~~

26 24
 82 53

~~800~~



N42RF ERROR SUMMARY

WSRA Test and Eval 2013 KMCF

29 August 2013



Flight ID: 20130829H1

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
AccZI.1
ALTGPS.3
1
PDALPHA.1
PDBETA.1
PQALPHA.1
PQBETA.1
acdata/MET/2013/20130829H1

Local Met Data:

Aircraft Static Pressure
Tower Pressure (corrected)

Takeoff (1311Z)

1018.8mb
1016.8mb

Landing (1456Z)

1017.3mb
1017.6mb

Notes:

For one short period prior to takeoff at MacDill AFB (KMCF) the selected altitude source ALTGPS.3 (Novatel) failed to capture data. Specifically, this data gap occurred between 12:55:53 through 16:56:29. The remainder of the data feed from the Novatel instrument was continuous throughout the mission and consistent with the other altitude sources. Therefore, the Novatel instrument was used as the selected altitude 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.

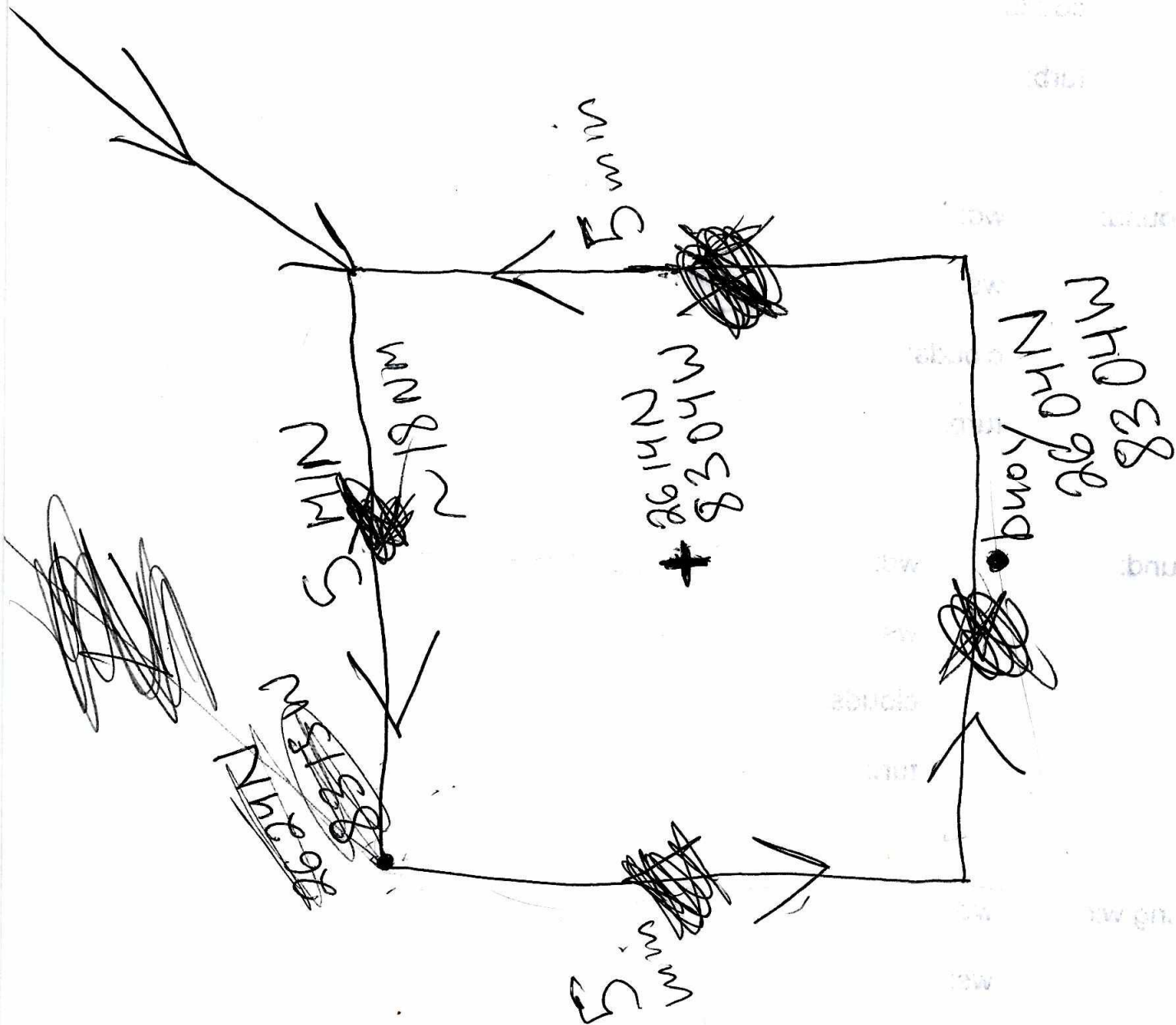
Note: AAMPS data system was restarted prior to takeoff. After the AAMPS restart, all data was collected and stored into the "BC.nc" file.

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	0	0	0
AXBT	0	0	0
CTD	0	0	0

Flight Director:
Phone #:

Rich Henning (QC'd by Mike Holmes)
(813) 828-3310 ext. 3039



030/02

N42 8/29/13

30.03 ^{TA}
28

1310 - 1500

Take off KMCF 1016.33

131032 - 131045

Rwy 4

1016.68
1.35
33

PSM.1 1015.03

PSM.2 1017.98

30.05 ^{31TA}

145700 - 145723

Rwy 4

LAND KMCF 1017.01

PSM.1 1014.27

PSM.2 1016.90

6/29

1402 - 1405

V
3.132

TDM3
3.384

8/29

3.132

3.395 1403 10 - 140337

1310 - 1458

1016.5 ~~ONE~~ 2

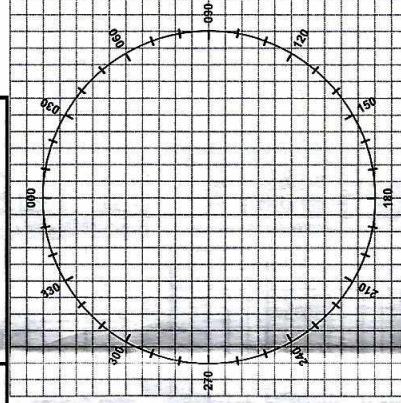
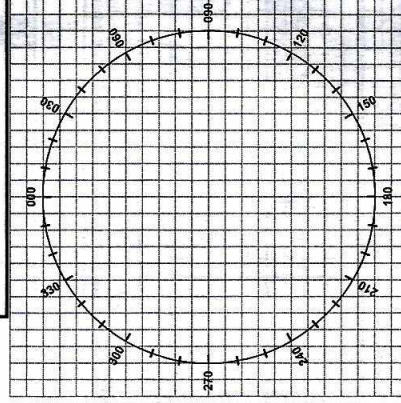
132300 - 140230 10K

140600 - 1442 57K

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 47, NOAA 42, NOAA 42

- POSITION _____ N / S _____
E / W AT _____ Z _____

- HEADING _____ TRUE/MAG _____

-AT_____KTS TRUE/INDICATED

- FLIGHT LEVEL OR ALTITUDE _____

**- WE ARE A P-3 AIRCRAFT V
NATURE OF EMERGENCY**

- NATURE OF EMERGENCY
- ASSISTANCE DESIRED

- ASSISTANCE DESIRED
- PILOT INTENTIONS

ENDURANCE REMAINING

[illegible]