

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

FLT ID: 20130906I1	From: KMCF	To: TJSX
FLT #:	Blk In: 2005 Z	Lnd Time: 2001 Z
ETD: 1500 Z	Blk Out: 1541 Z	T/O Time: 1552 Z
ETE:	Total Blk: 4:24 (4.4)	Total Flt: 4:09 (4.2)
Sponsoring Org: HRD	Program: HWRF MODEL VERIFICATION	Purpose: FERRY TO TJSX

AOC Flight Crew

Aircraft Commander: NELSON	SSA: NAEHER
Co-Pilot: SWEENEY / MARTIN	AVAPS: NEWMAN
Navigator: GALLAGHER	Scientists: ROGERS / ROGERS ZHANG
Flight Eng: DARBY / HEYSTEK	Scientists: JELENAK
Flt Director: DAMIANO	Scientists: SAPP
SEB: GREENE / PEER	Scientists: HARTLEY HARTLEY
Crew Chief: KREGELKA	Visitors: MCFADDEN

	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure	1017.4	30.06 / 1017.35 / 1017.70	1009.75	29.91 / 1009.81

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

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:

POOB NOT CLOSING 10K Radar alt alt TEAL 70 PHX
 1528z 1017.4 153120z zeroed SEA Act at TDM3 way off
 31 30.07 1559z 30 sec delay
 27 1500 bell on active Forgot to return FD log/serial.dat Aramps - radar
 1742 Went to 10K radar alt T/O delayed due to N42 fuel
 6448 for DWRAF near systems leak



N43RF ERROR SUMMARY FERRY TO ST. CROIX



Flight ID: 20130906I1

<u>Sensor or system</u>	<u>Number or Name</u>
INE (for wind derivation)	INE2
Accelerometer	AccZfilterI-GPS.2
Temperature Probe	TTM.1
Dew Point Probe	TDM.2
Static Pressure	PSM.2
Dynamic Pressure	PQM.2
Vert. Wind	GPS.3 (Novatel)
Project Directory	/acdata/2013/MET/20130906I1

Notes:

There were no data gaps.

The measured EdgeTech (TDM.2) dewpoint temperature displayed erroneous values during the following time frames: 162110Z – 162353Z, 190111Z – 190251Z, 191210Z – 191413Z and 191702Z – 192406Z. The erroneous values were replaced via direct substitution using the Buck (TDM.1) dewpoint temperature values as a reference,

$$TDM.2 = TDM.1$$

During the flight there were instances where dewpoint temperature values exceeded derived ambient temperature values resulting in humidity values above 100%. These situations occurred during heavy precipitation events.

All other instrumentation worked optimally.

SPECIAL NOTE!!! The variable names DPJ_GSZ, DPJ_ASZ and DPJ_WSZ 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.

Takeoff(1552Z) Landing(2001Z)

Aircraft Static Pressure 1017.4mb 1009.8mb

Corrected Tower Pressure 1017.3mb 1009.8mb

Flight Director: A. Barry Damiano (813) 828-3310 ext. 3073

