

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

FLT ID: 20130912D1	From: TFSX	To: KMCF
FLT #:	Blk In: 2350 Z	Lnd Time: 2342 Z
ETD: 1900 Z	Blk Out: 1932 Z	T/O Time: 1941 Z
ETE:	Total Blk: 4:18 (4.3)	Total Flt: 3:59 (4.0)
Sponsoring Org: HRD	Program: 17HRF MODEL VERIFICATION	Purpose: FERRY TO KMCF KMCF

AOC Flight Crew

Aircraft Commander: NELSON	SSA: NAEHER
Co-Pilot: SWEENEY, MARTIN	AVAPS: NEWMAN, I
Navigator: GALLAGHER, I	Scientists: CHANG
Flight Eng: DARBY, I HEYSTEK	Scientists: SAPP
Flt Director: DAMIANO, I	Scientists: TELENAK
SEB: GREENE, PEEK, I	Scientists:
Crew Chief: KREGLKA	Visitors: HIRSCH, I

	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure	1007.2	29.82 / 1006.77	1012.5	29.97 / 1013.29

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:

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:

~~193526Z~~ AF 1954Z
 1951 1005mb
 9250

Data Sys stopped at 202732 for AARMS testing of new charger

PLAB 1013.8 hand

Paul F
 317-3786

23
 29.82

193526Z
 pass ASOS

193654

64
 35
 29

.12
 35
 77



N43RF ERROR SUMMARY FERRY TO MacDILL AFB



Flight ID: 20130912I1

<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/20130912I1

Notes:

There was one data gap: 202732Z – 203830Z which was generated when the AAMPS aircraft data system was shutdown and restarted to test new software. As a result of this time gap there are two QC'd netcdf files in the project directory: 20130912I1_BC.nc and 20130912I2_AC.nc.

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(1941Z)	Landing(2342Z)
Aircraft Static Pressure	1007.2mb	1012.5mb
Corrected Tower Pressure	1006.8mb	1013.3mb

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

