

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

FLT ID: 20130908H1	From: TISX	To: KMCF
FLT #:	Blk In: 2244z	Lnd Time: 2238z
ETD: 1830z	Blk Out: 1823z	T/O Time: 1830z
ETE: 4+30	Total Blk: 4.4	Total Flt: 4.1
Sponsoring Org: HRD	Program: PHX	Purpose: REPO

AOC Flight Crew

Aircraft Commander: GIRIMONTE	SSA: BOSKO
Co-Pilot: KIBBEY / KERNS	AVAPS: RICHARDS
Navigator: SIEGEL	Scientists: Jun ZHANG
Flight Eng: KLIPPEL / Alan PULS	Scientists: Eric UHLHORN
Flt Director: HENNING PARRISH	Scientists: Paul REASOR
SEB: Terry LYNCH SMITH SAUSOUC	Scientists: Lisa BUCCI
Crew Chief: CROUCH	Visitors: 1 Joe CIONE

	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure	1011.9	29.982 ^{1011.57} _{1011.16}	1009.3	1011.38 1011.0 29.88

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: WXWA TRAIN (ie: NOAA2 2418A SANDY)			

Remarks:

STA
 ↓ ↓
 1011.8 1012.0

> 1753z ~~1808z~~ + 10 29.94 1853
 2158z 29.87 (SLP 1011.8)
 2258z 29.88
 STA
 ↓ ↓
 1011.6 1011.8

STOP
 Dropdown → EXIT
 Right click on screen → shutdown



N42RF ERROR SUMMARY FERRY FROM ST. CROIX TO MACDILL (GABRIELLE)



Flight ID: 20130908H1

<u>Sensor or system</u>	<u>Number or Name</u>
INE (for wind derivation)	INE1
Accelerometer	AccZfilterI-GPS.1
Temperature Probe	TTM.1
Dew Point Probe	TDM.1
Static Pressure	PSM.2
Dynamic Pressure	PQM.2
Vert. Wind	ALTPA (pressure alt)
Project Directory	/acdata/2013/MET/20130908H1

Notes:

There were no data gaps.

During the time periods 195000Z – 195300Z and 195300Z – 195500Z, the measured Buck (TDM.1) dewpoint temperature output displayed erroneous values that were manually removed and replaced. The statistical techniques used to replace the removed data had patch values of 0.20 and 0.13, respectively.

Also during the time frame 222700Z - 223700Z the measured Buck (TDM.1) dewpoint temperature output displayed erroneous values that were manually removed and replaced with Port City TDL (TDM.3) dewpoint values using statistical techniques with a patch value of 0.33.

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 precipitation events. All other instrumentation worked optimally.

Pressure altitude was selected for deriving vertical wind since the Novatel GPS altitude output experienced several periods of no data.

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(1830Z) Landing(2238Z)

Aircraft Static Pressure 1011.9mb 1009.3mb

Corrected Tower Pressure 1010.2mb 1011.0mb

Flight Director: A. Barry Damiano (813) 828-3310 ext. 3073
 Richard Henning (813) 828-3310 ext. 3086

N42 20130908H1

mid Jan
Seattle

PSM.2 is ~5mb greater than PSM.1
in flt

TDM.1 fixer 1949-1953 ; 1953-1956
222600 - 223700

195030 - 195200 manual; patch .20
195325 - 195351 manual; patch .13
222810 - 223540 manual patch .33

used GPS.2

184542 using GPS.3
184652

184727 - 185111

192652 f 193652; 193712 - 194023

18493,
1938-

