

U.S. Dept. of Commerce / OMAO / NOAA / Aircraft Operations Center

FLT ID:	20130908H1	From:	TISX	To:	KMCF
FLT #:		Blk In:	2244 z	Lnd Time:	2238 z
ETD:	1830 z	Blk Out:	1823 z	T/O Time:	1830 z
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 SANSON	Scientists:	Lisa BUCCI
Crew Chief:	CROUCH	Visitors:	Joe CIONE

	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure	1011.9	29.92	1009.3	1011.38
		1010.57 1010.34 1010.16		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:
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AXBT		Good:	Bad:	Sent:
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List other data sources in Remarks section

Remarks (Storm VDM Identifier, Mission ID, Fix Times)	Fix #	Ob Num	Fix Time / SLP
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Storm Number Identifier (VDM):
(ie: AL072012)

TCPOD/WSPOD Mission ID:
(ie: NOAA2 2418A SANDY)

Remarks:

STA
↓
1011.8 1012.0

>1753z 29.82 +10 29.94 1853
2158z 29.87 (SLP 1011.8)
2258z 29.88

STOP

Dropdown → EXIT

Right click on screen → Shutdown

STA
↓
1011.6 1011.8

22-46



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 Richard Henning	(813) 828-3310 ext. 3073 (813) 828-3310 ext. 3086

N42 20130908(H)

mid Jan
Seattle

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

TDM.1 fixe 1949 - 1953 ; 1958 - 1956
222600 - 223700

195030 - 195208 manual; patch .20
195325 - 195351 manual; patch .13
222810 - 223540 ^{diff} manual patch .32

use GPS.2

184542 using GPS.3

184652

184727 - 185111

192652 & 193652; 193712 - 1938023

18493,

1938-

MISSION LOG		PAGE ____ OF ____																																																																			
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