

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

FLT ID: 20140331I1	From: MRB	To: KMF
FLT #:	Blk In: 0240Z Z	Lnd Time: 0603 Z
ETD: Z	Blk Out: 1814 Z	T/O Time: 1842 Z
ETE:	Total Blk: 8.4	Total Flt: 7.8
Sponsoring Org: NASA	Program: EcoSAR	Purpose: Ferry w/mission enroute Test SAR xmit/Receive

AOC Flight Crew

Aircraft Commander: Sweeney	SSA: Naken
Co-Pilot: Kerns 1	AVAPS: 1
Navigator: Siegel 1	Scientists: Ricon / XXXX
Flight Eng: KLPPC 1 LaLonde	Scientists: Knoble / Beck
Flt Director: Holmes 1 Damiano	Scientists: Osmanoglu / Daniel CV
SEB: Greene 1 Sans Souci 1 Flaherty / ^{Lennic} Kregelka	Scientists:
Crew Chief:	Visitors: 1 1

	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	NA	Good: _____ Bad: _____ Sent: _____
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AXBT	NA	Good: _____ Bad: _____ Sent: _____
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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: (ie: NOAA2 2418A SANDY)			

Remarks:



N43RF ERROR SUMMARY

EcoSAR – Ferry KMCF w/Mission Enroute

31 March 2014



Flight ID: 20140331I1

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
AccZfilterI-GPS.1
AltIGPS.1
1
PDALPHA.1
PDBETA.1
PQALPHA.1
PQBETA.1
acdata/MET/2014/20140331I1

Local Met Data:

Aircraft Static Pressure
Tower Pressure (corrected)

Takeoff (1842Z)

1000.9 mb
1000.4 mb

Landing (0233Z)

Data not available – sys crash
1021.0 mb

Notes:

The selected altitude source (AltRef/AltGPS.3) had a large gap in data between 19:33Z - 19:49Z and 21:43Z - 21:53Z associated with the number of GPS satellites available dropping to zero. This drop out of data caused corresponding gaps in numerous derived parameters (UWZ, etc). Used AltIGPS.1 (Blended) in place of AltGPS.3 for pos- processing. Also, the data system needed to be rebooted twice during the mission. Both instances occurred after the scientific mission had concluded. The last data system crash occurred at landing, so aircraft static pressure could not be calculated .

Takeoff/Landing data: Data during landing and takeoff are potentially suspect. It is recommended that ground data not be used for scientific analysis.

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.

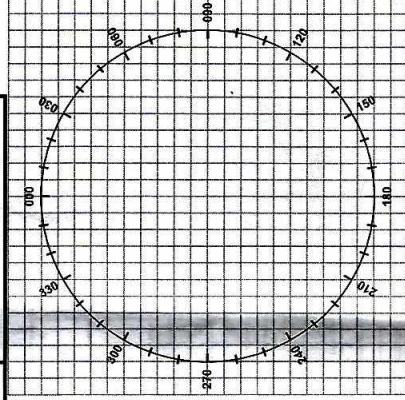
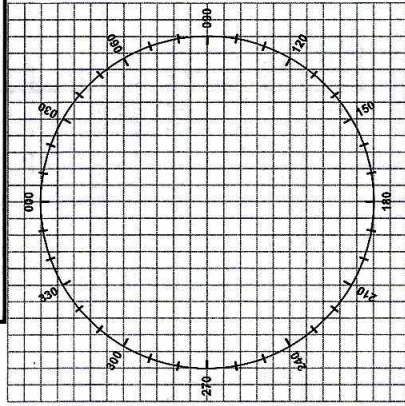
Expendable Type	Number deployed	Number good	Number of messages transmitted
GPS dropwindsonde	0	0	0
AXBT	0	0	0
Test Sondes	0	0	0

Flight Director:
Phone #:

Mike Holmes
(813) 828-3310 ext. 3140

[illegible]

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6. NEXT POSITION

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 43, NOAA

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

- HEADING _____ TRUE/MAG _____
- AT _____ KTS TRUE/INDICATED _____

- FLIGHT LEVEL OR ALTITUDE.

- WE ARE A P-3 AIRCRAFT WITH 17 SOULS ON BOARD
- NATURE OF EMERGENCY

- ASSISTANCE DESIRÉE

- PILOT INTENTIONS
- WE HAVE
- ENDURANCE REMAINING

[illegible]