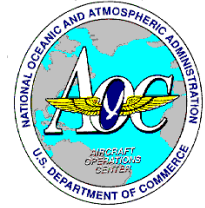


N43RF ERROR SUMMARY

CALWATER2 Mission #3

5 February 2015



Flight ID: 20150205I1

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.1X
AccZfilterI-GPS.1
AltI-GPS.1
1
PDALPHA.1
PDBETA.1
PQALPHA.1
PQBETA.1
acdata/2015/MET/20150205I1

Local Met Data:

Aircraft Static Pressure
Tower Pressure (corrected)

Takeoff (1806Z)

1016.2 mb
1014.4 mb

Landing (2359Z)

1013.1 mb
1011.4 mb

Notes:

The Buck sensor (TDM.1) was used as the source dewpoint sensor, but did require some corrections to mitigate one anomalous spike during the mission. Specifically, TDM.2 (Edgetech dewpoint) was substituted in for TDM.1 between 22:09:33Z - 22:11:05Z. AltGPS.3 was not used as the primary altimeter source because it had a gap of data between 23:31:00Z and 23:34:20Z. AltI-GPS.1 (Blended) trended well with AltGPS.3 so it was used in its place. All other instruments performed nominally.

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

Supersaturation: It is common when flying through heavy precipitation in tropical environments to observe dewpoint temperatures that exceed the ambient temperature and generate relative humidity values that exceed 100%.

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	35	35	35
Test Sondes	0	0	0

Flight Director:
Phone #:

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