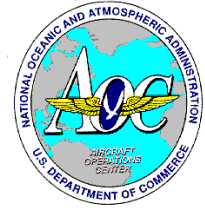




N43RF ERROR SUMMARY

CALWATER2 Mission #5

7 February 2015



Flight ID: 20150207I1

<u>Sensor or system</u>	<u>Number or Name</u>
Static Pressure Probe	PSM.2
Dynamic Pressure Probe	PQM.2
Total Temperature Probe	TTM.1
Dewpoint Temp. Probe	TDM.2
Vertical Accelerometer	AccZfilterI-GPS.1
Altimeter	AltI-GPS.1
INE Selection	1
Differential Attack Pressure Probe	PDALPHA.1
Differential Sideslip Pressure Probe	PDBETA.1
Dynamic Attack Pressure Probe	PQALPHA.1
Dynamic Sideslip Pressure Probe	PQBETA.1
Flight Directory	acdata/2015/MET/20150207I1

<u>Local Met Data:</u>	<u>Takeoff (1604Z)</u>	<u>Landing (1940Z)</u>
Aircraft Static Pressure	1016.9 mb	1016.6 mb
Tower Pressure (corrected)	1015.1 mb	1015.8 mb

Notes:

The Edgetech dewpoint (TDM.2) was used as the source dewpoint sensor for this mission and did not require any modifications. AltGPS.3 was not used as the primary altimeter source because it had a gap in data between 19:34:39Z and 19:35:20Z. AltI-GPS.1 (Blended) trended well with AltGPS.3 and was therefore used in its place to calculate the derived parameters. 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	9	8	9
AXBT	20	17	17
Test Sondes	0	0	0

Flight Director:
Phone #:

Mike Holmes
(813) 828-4621