



# N43RF ERROR SUMMARY

## SFMR Calibration Flight

27 May 2014



**Flight ID: 20140527I1**

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.2  
AccZfilterI-GPS.1  
AltGPS.3  
1  
PDALPHA.1  
PDBETA.1  
PQALPHA.1  
PQBETA.1  
acdata/MET/2014/20140527I1

Local Met Data:

Aircraft Static Pressure  
Tower Pressure (corrected)

Takeoff (2121Z)

1018.2 mb  
1017.4 mb

Landing (0051Z)

1017.4 mb  
1017.7 mb

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Notes:

The Buck (TDM.1) dewpoint sensor was removed from the aircraft for calibration and TDM.3 recorded erroneous data after the aircraft transited above the freezing level (~13.5K'). However, the Edgetech dewpoint sensor (TDM.2) performed nominally and was used as the source for all derived parameters that rely on dewpoint. All other instruments, including each of the four altimeter sources performed well.

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	2	2	2
AXBT	1	1	1
Test Sonde	0	0	0

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Flight Director:  
Phone #:

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