



N43RF ERROR SUMMARY

SONGNEX

14 April 2015



Flight ID: 20150414I1

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
AltGPS.3
1
PDALPHA.1
PDBETA.1
PQALPHA.1
PQBETA.1
acdata/2015/MET/20150414I1

Local Met Data:

Aircraft Static Pressure
Tower Pressure (corrected)

Takeoff (1626Z)

827.5 mb
824.7 mb

Landing (2323Z)

820.3 mb
818.1 mb

Notes:

The Buck dewpoint (TDM.1) sensor was used as the source dewpoint sensor for this mission, but did experience a brief period of time (22:03:50Z – 22:07:30Z) where it produced unusually high values which caused unrealistically high RH values. AltGPS.3 (Novatel) was used as the primary altimeter source, but did have a 5 second gap in data between 19:2156Z and 19:22:00Z. All other instruments performed nominally during the mission.

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 #:

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