



N43RF ERROR SUMMARY

PECAN E (#5)

6 July 2015



Flight ID: 20150706I1

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.2
1
PDALPHA.1
PDBETA.1
PQALPHA.1
PQBETA.1
acdata/2015/MET/20150706I1

Local Met Data:

Aircraft Static Pressure
Tower Pressure (corrected)

Takeoff (0049Z)

964.5 mb
961.1 mb

Landing (0848Z)

962.5 mb
964.9 mb

Notes:

The corrected Novatel altimeter (AltGPS.3) had gaps between 03:22:09Z – 03:22:23Z and 03:22:49Z – 03:24:06Z and the uncorrected Novatel altimeter (AltGPS.4) had some anomalous spikes, so the RINU-G (AltGPS.2) was used as the primary altimeter source. The Buck dewpoint (TDM.1) sensor had two unrepresentative spikes in data during the middle portion of the mission. TDM.2 (Edgetech) was representative and was therefore used in place of TDM.1 as the primary dewpoint sensor for this 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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