



Flight ID: 20140804H1

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.1
PQM.2
TTM.1
TDM.2
AccZfilterI-GPS.1
AltGPS.3
1
PDALPHA.1
PDBETA.1
PQALPHA.1
PQBETA.1
acdata/MET/2014/20140804H1

Local Met Data:

Aircraft Static Pressure
Tower Pressure (corrected)

Takeoff (1750Z)

1012.4 mb
1012.1 mb

Landing (0209Z)

1013.6 mb
1014.6 mb

Notes:

The Edgetech dewpoint sensor (TDM.2) was consistent, representative and contiguous throughout the flight and AltGPS.3 (Novatel) was identified as the most representative altimeter source. All other instruments performed nominally and no corrections were required.

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	25	2	23
AXBT	12	1	11
Test Sondes	0	0	0

Flight Director:
Phone #:

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