**Flight ID: 20131106H1**

Sensor or system Number or Name

Static Pressure Probe PSM.2

Dynamic Pressure Probe PQM.2

Total Temperature Probe TTM.1

Dewpoint Temp. Probe TDM.1X

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/MET/2013/20131106H1

Local Met Data: Takeoff (1937Z) Landing (0347Z)

Aircraft Static Pressure 1006.1mb 1002.5mb

Tower Pressure (corrected) 1016.2mb 1002.9mb

Notes:

The selected altitude source ALTGPS.3 (Novatel) failed to capture data at numerous points throughout the mission to include extended periods during the scientific portion. Since these gags in the Novatel data were so pervasive, AltI-GPS.1 (RINU #1) was use in place of the Novatel as the altitude source for the entire mission.

Very cold boundary layer temperatures were again seen on this mission, causing the Edgetech dew point sensor (TDM.2), at times, to not perform as well as it had earlier in the project. Therefore the measured Dewpoint Temperature from the Buck sensor (TDM.1) was used in post processing. There were instances where TDM.1 exceeded the Ambient Temperature (TA.d) resulting in relative humidity values well in excess of 100%. TDM.2 was substituted for TDM.1 from 22:36:42Z to 22:39:39Z, 00:53:27Z to 00:58:34Z and from 01:14:47Z to 01:15:25Z. From 23:46:11Z to 23:46:55Z, statistical methods were used to smooth spikes in TDM.1.

All other instruments worked optimally during the flight.

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| --- | --- | --- | --- |
| Expendable Type | Number deployed | Number good | Number of messages transmitted |
| GPS dropwindsonde | 8 | 8 | 0 |
| AXBT | 4 | 4 | 4 |
| CTD | 0 | 0 | 0 |