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**N43RF ERROR SUMMARY**

**HURRICANE INGRID KMCF - KMCF**

**Flight ID: 20130914I1**

Sensor or system Number or Name

INE (for wind derivation) INE1

Accelerometer AccZfilterI-GPS.1

Temperature Probe TTM.1

Dew Point Probe TDM.2 (Edgetech)

Altitude (for vertical wind) AltGPS.3 (NOVATEL)

Static Pressure PSM.2

Dynamic Pressure PQM.2

Project Directory /acdata/2013/MET/20130914I1

Notes:

There were no data gaps.

Dewpoint sensor #1 (TDM.1Buck) and #2 (TDM.2 Edgetech) both performed very well in the storm environment. Late in the flight (near the return to Tampa) TDM.1 ran away (too warm) so TDM.2 was selected for post processing. There were a few brief intervals of supersaturation with dew point exceeding ambient temp (resulting in RH between 100% and a max of 119.6%). The TDL (TDM.3) dewpoint sensor was erratic and generally unusable.

Total temperature sensor #2 (TTM.2) was noisy and displayed an oscillation on the order of approx 0.6 deg C when compared to TTM.1 therefore TTM.1 was selected for post-flight processing.

All other instruments worked optimally during the flight.

Novatel (AltGPS.3) altimeter output was selected for post-flight processing.

 **Takeoff (1744Z) Landing (0153Z)**

Aircraft Static Pressure 1012.8 mb 1013.8 mb

Corrected Tower Pressure 1013.2 mb 1015.0 mb

17 dropsondes and 10 AXBT deployed. All were good and transmitted.

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