



N43RF ERROR SUMMARY FERRY TO MacDILL AFB



Flight ID: 20130912I1

<u>Sensor or system</u>	<u>Number or Name</u>
INE (for wind derivation)	INE2
Accelerometer	AccZfilterI-GPS.2
Temperature Probe	TTM.1
Dew Point Probe	TDM.2
Static Pressure	PSM.2
Dynamic Pressure	PQM.2
Vert. Wind	GPS.3 (Novatel)
Project Directory	/acdata/2013/MET/20130912I1

Notes:

There was one data gap: 202732Z – 203830Z which was generated when the AAMPS aircraft data system was shutdown and restarted to test new software. As a result of this time gap there are two QC'd netcdf files in the project directory: 20130912I1_BC.nc and 20130912I2_AC.nc.

During the flight there were instances where dewpoint temperature values exceeded derived ambient temperature values resulting in humidity values above 100%. These situations occurred during heavy precipitation events.

All other instrumentation worked optimally.

SPECIAL NOTE!!! The variable names DPJ_GSZ, DPJ_ASZ and DPJ_WSZ in the netCDF file represent vertical ground speeds, vertical air speeds 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.

	Takeoff(1941Z)	Landing(2342Z)
Aircraft Static Pressure	1007.2mb	1012.5mb
Corrected Tower Pressure	1006.8mb	1013.3mb

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