N43RF ERROR SUMMARY
FERRY FROM KCRP TO KMCF
POST-INGRID

Flight ID: 20130916I1

Sensor or system	Number or Name
INE (for wind derivation)	INE2
Accelerometer	AccZfilterI-GPS.1
Temperature Probe	TTM.1
Dew Point Probe	TDM.2X
Static Pressure	PSM.2
Dynamic Pressure	PQM.2
Vert. Wind	ALTGPS.3 (NOVATEL)
Project Directory	/acdata/2013/MET/20130916I1

Notes:

There were no data gaps.

During the following time periods, the EdgeTech dewpoint sensor (TDM.2) had erroneous output: 175424Z – 175903Z, 180222Z – 180447Z and 192654Z – 193755Z. The erroneous data was removed and replaced with Buck dewpoint sensor (TDM.1) output by direct substitution,

$$TDM.2 = TDM.1$$

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(1736Z)	Landing(2026Z)
Aircraft Static Pressure	1013.3mb	1015.3mb
Corrected Tower Pressure	1012.7mb	1015.7mb

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