N43RF ERROR SUMMARY
REMNANTS OF TS GABRIELLE

Flight ID: 20130907I1

Sensor or system	Number or Name
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	AltRa.2.c
Project Directory	/acdata/2013/MET/20130907I1

Notes:

There were no data gaps.

The measured EdgeTech (TDM.2) dewpoint temperature displayed erroneous values during the following time frames: 160421Z – 160429Z, 172405Z – 172455Z, 183539Z – 183558Z and 204038Z – 204113Z. The erroneous values were replaced via direct substitution using the Buck (TDM.1) dewpoint temperature values as a reference,

$$TDM.2 = TDM.1$$

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.

Dropsondes deployed 23; 18 good; 5 bad; 18 messages sent to NHC

AXBTs deployed 8; 7 good; 1 bad; 7 messages sent to NHC

	Takeoff(1456Z)	Landing(2233Z)
Aircraft Static Pressure	1013.1mb	1011.2mb
Corrected Tower Pressure	1012.9mb	1010.5mb

Flight Director: A. Barry Damiano   (813) 828-3310 ext. 3073