N43RF ERROR SUMMARY
TBPB – TBPB Hurricane Danny
22 AUG 2015

Flight ID: 20150822I1

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.2
Vertical Accelerometer	AccZfilterI-GPS.1
Altimeter	AltGPS.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/2015/MET/20150822I1

Local Met Data:	Takeoff (1758Z)	Landing (0040Z)
Aircraft Static Pressure	1005.7 mb	1007.3 mb
Tower Pressure (corrected)	1007.8 mb	1006.8 mb

Notes:

There was a data system malfunction during the flight and need to be restarted. As a result, the file, 20150822I1_Raw_1Hz.nc, was used to derive meteorological parameters. At this time, the Novatel GPS data are not available in "Raw_1Hz" files.

The resulting gap from the data system restart is from 200902Z – 201153.
All data towards the beginning and end of the outage should be heavily scrutinized

All instruments performed optimally.

Takeoff/Landing data: Data during landing and takeoff are potentially suspect. It is recommended that ground data not be used for scientific analysis.

SPECIAL NOTE!!! The variable names dpj_wgs, dpj_was, and dpj_wz in the netCDF file represent vertical ground, vertical air, 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.

Expendable Type	Number deployed	Number good	Number of messages transmitted
GPS dropwindsonde	23	23	23
AXBT	15	10	10
Test Sondes	0	0	0

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