



N49RF ERROR SUMMARY

Hurricane Ingrid

13 SEPT 2013



Flight ID: 20130913N1

<u>Sensor or system</u>	<u>Number or Name</u>
Static Pressure Probe	PSM.2
Dynamic Pressure Probe	PQM.2
Total Temperature Probe	TTM.4
Dewpoint Temp. Probe	TDM.2
Vertical Accelerometer	AccZI.1
Altimeter	AltGPS.3
INE Selection	1
Differential Attack Pressure Probe	PDALPHA.2
Differential Sideslip Pressure Probe	PDBETA.2
Dynamic Attack Pressure Probe	PQALPHA.2
Dynamic Sideslip Pressure Probe	PQBETA.2
Constants File	49cal102
Flight Directory	acdata/MET/2013/20130913N1

Local Met Data:	<u>Takeoff (1345Z)</u>	<u>Landing (2137Z)</u>
Aircraft Static Pressure	1012.3 mb	1009.3 mb
Tower Pressure (corrected)	1012.8mb	1010.5mb

Notes:

TDM.1 and TDM.2 are both not rated for use under -50 deg C. Cannot be considered reliable for dewpoints colder than -50C. There are also unrealistically high spikes in relative humidity during periods of turbulence. TDM.2 yields the most realistic results.

From about 18:05z to 18:11z there was a period of moderate turbulence that caused ~6m/s vertical winds both up and down. Some spiking in various parameters may be found during this time.

During the turbulence event, it appears that PQBETA.1 may have iced up causing erroneously high readings for the rest of the flight until descent to KMCF. When the altitude decreased upon descent, the icing seems to have cleared up.

Number of Drops: Good 17, Bad 3, Total 20

Flight Director:
Phone #:

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