



N42RF ERROR SUMMARY

Ocean Winds Flight

18 February 2014



Flight ID: 20140218H1

<u>Sensor or system</u>	<u>Number or Name</u>
Static Pressure Probe	PSM.2
Dynamic Pressure Probe	PQM.2
Total Temperature Probe	TTM.1
Dewpoint Temp. Probe	TDM.1X
Vertical Accelerometer	AccZfilterI-GPS.1
Altimeter	AltIGPS.3
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/MET/2014/20140218H1

<u>Local Met Data:</u>	<u>Takeoff (1213Z)</u>	<u>Landing (1955Z)</u>
Aircraft Static Pressure	1011.2mb	1008.3mb
Tower Pressure (corrected)	1010.5 mb	1008.5mb

Notes:

The measured Dewpoint Temperature from the EdgeTech sensor (TDM.2) recorded exceptionally high temperature shortly after takeoff. Specifically, the dewpoint temperature exceeded the calculated ambient temperature resulting in relative humidity values greater than 105%. To mitigate these erroneous data, TDM.2 was manually corrected between 12:01:00Z and 12:06:00Z. In the ".A" file, there were also small (1 to 5 second) gaps in data noted during the period between 19:08:00 and 19:10:00 for the following parameters: HT, IAS, TA, TT.c. UWZ, WS, and WD. However, after post processing, these missing data were not present in the ".AXC" file.

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	4	4	0
AXB T	2	2	2
Test Sondes	0	0	0

Flight Director:
Phone #:

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