

**NOAA WP-3D N42RF ERROR SUMMARY**  
**OCEAN WINDS WINTER 2013**  
**12 Feb 2013 PROJECT FLIGHT #8**  
**NESDIS (PND) CYHZ → CYHZ**

**Flight ID: 20130212H1**

<u>Sensor or system</u>	<u>Number or Name</u>
Altitude	AltIGPS.1 (RINU)
Accelerometer	AccZfilterI-GPS.1
Dew Point Probe	TDM.2
Dynamic Pressure	PQM.2
Inertial Selected	INE1
Static Pressure	PSM.2
Temperature Probe	TTM.1
Constants File	AAMPSConfig/core/n43.xml
Flight Directory	acdata/MET/20130212H1

Local Met Data	Takeoff (1451z)	Landing (2012z)
Aircraft Static Pressure	974.9 mb	977.5 mb
Tower Pressure (corrected)	975.9 mb	976.3 mb

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Notes:

Lightning strike during climbout after takeoff from Halifax approx 14:55:38z, no effects noted.

Science portion of mission from 1431z – 1731z was flown at 7000 ft radar altitude.

Maycomm (TDM.3) dew point sensor was essentially unusable. TDM.2 (Edgetech), the reference, and the TDM.1 (Buck) performed very well throughout the entire mission.

All other flight level instruments worked optimally during the flight.

Vertical Winds during the science portion showed a mean UWZ of -0.06 m/s. The variable names GSZ\_DPJ, ASZ\_DPJ and WSZ\_DPJ 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.

- 11 dropsondes deployed, 10 good, Drop #8 1758z was FF, backup good, none transmitted
- 4 internally loaded AXBT deployed, all were good

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