NOAA WP-3D N42RF ERROR SUMMARY
OCEAN WINDS WINTER 2013
14 Feb 2013 PROJECT FLIGHT #9
NESDIS (PND) CYHZ → KMCF

Flight ID: 20130214H1

Sensor or system	Number or Name
Altitude	AltIGPS.1 (RINU)
Accelerometer	AccZfilterI-GPS.1
Dew Point Probe	TDM.2X
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/20130214H1

Local Met Data	Takeoff (1347z)	Landing (2203z)
Aircraft Static Pressure	989.2 mb	1016.9 mb
Tower Pressure (corrected)	989.2 mb	1015.7 mb

Notes:

Science portion of mission from 1432z – 1740z was flown at 7000 ft radar altitude enroute back to MacDill AFB.

Maycomm (TDM.3) dew point sensor was essentially unusable. TDM.2 (Edgetech), the reference, performed very well throughout the entire mission. After the climb to 22,000 ft on the way to Tampa, it departed from 1756 to 1858z and was substituted by the TDM.1 (Buck).

All other flight level instruments worked optimally during the flight.

Vertical Winds during the science portion showed a mean UWZ of -0.23 m/s (a somewhat larger than normal low bias). 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.

- 5 dropsondes deployed, all were good, none transmitted
- 4 internally loaded AXBT deployed, 3 were good, 2nd BT at 1538z was bad

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