NOAA WP-3D N42RF ERROR SUMMARY
OCEAN WINDS WINTER 2013
23 Jan 2013 PROJECT FLIGHT #3
NESDIS (PND) CYHZ → CYQX (refuel)

Flight ID: 20130123H1

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/20130123H1

Local Met Data	Takeoff (1245z)	Landing (2025z)
Aircraft Static Pressure	992.3 mb	980.0 mb
Tower Pressure (corrected)	992.8 mb	978.3 mb

Notes:

Science portion of mission from 15:16z – 18:52z flown at 7000 to 7500 ft radar altitude.

Maycomm (TDM.3) dew point sensor was essentially unusable. TDM.2 (Edgetech), the reference, ran away during the high altitude transit prior to the science portion. From 13:15z to 14:27z values for TDM.1 (Buck) were substituted.

All other flight level instruments worked optimally during the flight.

Vertical Winds during the science portion showed a mean UWZ of -0.14 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.

- 22 dropsondes deployed, all 22 good, none transmitted
- 1 internally loaded AXBT deployed was good

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