NOAA43 Flight QC Summary

PECAN Flight 1

Flight ID: 20150617I1

Sensor or System Number or Name

INE (for wind derivation) INE1

Accelerometer AccZfilterI-GPS.1

Temperature Probe TTM.1

Dew Point Probe TDM.1

Static Pressure PSM.2

Dynamic Pressure PQM.2

Altimeter (for vertical winds) ALTGPS.2 (RINU GPS)

Project Directory /acdata/2015/MET/20150617I1

Notes:

There was a data gap 22:51:27 - 22:52:32. This was well before take off time.

INE1 errors 060800-060920Z, 065830-070140Z.

Wind speed, vertical wind errors indicated 060815-070900Z, 065945-070030Z, and 070137-070139Z. Removed with statistical filter. Replaced as variables WS.dX and UWZ.dX in file 20150617I1\_AXC.nc

TTM.1 likely too high during the period 070900-071845Z.

PQM.2 erroneously low 051949-053000Z.

All other instruments worked optimally.

Note: The variables DPJ\_GSZ, DPJ\_ASZ, and DPJ\_WSZ in the netCDF file represent vertical ground speed, vertical air speed, and vertical wind speed, respectively, computed using Dave Jorgensen’s vertical wind algorithm. It is recommended that these values be used for vertical wind analysis.

Times:

Block Out: 0059Z Take Off: 0106Z

Block In: 0801Z Land: 0757Z

Block Time: 7.0 hrs Flight Time: 6.9 hrs

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