NOAA43 Flight QC Summary

PECAN Flight 2

Flight ID: 20150620I1

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/20150620I1

Notes:

There was a data gap 22:23:30 - 22:24:36. This was well before take off time.

Wind speed errors indicated 045950-045956Z. Removed with statistical filter. Replaced as variables WS.dX and in file 20150620I1\_AXC.nc

TTM.1 likely too high during the period 064545-065130Z.

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: 0050Z Take Off: 0059Z

Block In: 0909Z Land: 0906Z

Block Time: 8.3 hrs Flight Time: 8.1 hrs

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