Flight ID: 20130914N1

Sensor or system                                      Number or Name
Static Pressure Probe                                PSM.2
Dynamic Pressure Probe                                PQM.2
Total Temperature Probe                               TTM.4x
Dewpoint Temp. Probe                                  TDM.1
Vertical Accelerometer                               AccZI.1
Altimeter                                             AltGPS.3
INE Selection                                         1
Differential Attack Pressure Probe                    PDALPHA.2
Differential Sideslip Pressure Probe                  PDBETA.2
Dynamic Attack Pressure Probe                         PQALPHA.2
Dynamic Sideslip Pressure Probe                       PQBETA.2
Constants File                                        49cal102
Flight Directory                                      acdata/MET/2013/20130914N1

Local Met Data:                                        
Takeoff (1250Z)                                                   Landing (2005Z)
Aircraft Static Pressure                                      1010.5 mb     1010.1 mb
Tower Pressure (corrected)                                   1012.8 mb     1012.1 mb

Notes:

TDM.1 and TDM.2 are both not rated for use under -50 deg C. Cannot be considered reliable for
dewpoints colder than -50C.

PQAlpha and PQBeta on both channels had issues near the end of the flight. PQAlpha.1 may
have iced up or had a loose connection as it drifted starting at 18:09z. PQM.2 was used to
substitute into both PQAlpha.2 and PQBeta.2 where spikes were found upon the aircraft’s
descent (after 19:37z). PQM.2 was substituted using an offset of -34.77mb for PQAlpha.2 and
-22.92mb for PQBeta.2. This aided in fixing derived parameters using these inputs.

TTM.4 is the default reference total temperature that is normally used. However, TTM.1 and
TTM.4 had false values from 17:10z to 18:43z. TTM.3 was substituted for this time period
creating a new parameter TTM.4x which is the best total temperature parameter to use in
calculations. It should be noted that TTM.3 has an oscillation of about 1 degree C and may be
noticed in the TTM.4x parameter.

Number of Drops: Good 18, Bad 3, Total 21