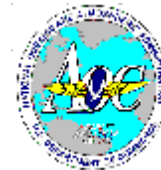




## N42RF ERROR SUMMARY SFMR Cal + Shakedown KMCF



**Flight ID: 20130814H1**

Sensor or system	Number or Name
INE (for wind derivation)	INE1
Accelerometer	AccZfilterI-GPS.1
Temperature Probe	TTM.1
Dew Point Probe	TDM.2 (Edgetech)
Altitude (for vertical wind)	AltGPS.3 (NOVATEL)
Static Pressure	PSM.2
Dynamic Pressure	PQM.2
Project Directory	/acdata/2013/MET/20130814H1

### Notes:

AAMPS needed to be rebooted in flight during the climb from 1500 to 5000 feet at 23:37:18z. (two netCDF files B.nc and C.nc) There was a gap in the C.nc file from 23:39:33 to 23:40:37z.

PSM#1 (wingtip) was approx 5.5 millibars lower than PSM#2 during most of the flight.

Dewpoint sensor #1 (TDM.1Buck) and #2 (TDM.2 Edgetech) both generally performed well throughout the flight. TDM.2 was selected for post processing. Upon leveling off after the initial descent from 10K to 500 feet TDM.1 ran away. This also occurred at the end of the mission during the final stages of descent from 20K on approach into KMCF. TDM.1 averaged about 6 deg C colder than TDM.2 during the segment at 20K. The TDL (TDM.3) trended well with the other dew point sensors but was too high at low altitudes. It was about a degree C colder than TDM.2 at 20K.

TTM.1 and TTM.2 averaged within 0.25 deg C for the flight. TTM.1 was selected for post-flight processing but either system would have been a good choice.

Novatel (AltGPS.3) altimeter output was selected for post-flight processing.

### **Takeoff (2149Z)    Landing (0113Z)**

Aircraft Static Pressure	1014.4 mb	1014.6 mb
Corrected Tower Pressure	1014.3 mb	1014.8 mb

1 dropsonde and 1 AXBT were deployed. Both were good.

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