



N49RF ERROR SUMMARY CALWATER20 MISSION #8



Flight ID: 20150210N1

Sensor or system	Number or Name
INE (for wind derivation)	INE1
Accelerometer	ACCZI.1
Temperature Probe	TTM.4
Dew Point Probe	TDM.2 (EdgeTech)
Altitude (for vertical wind)	GPS.3 (Novatel)
Static Pressure	PSM.2
Dynamic Pressure	PQM.2
Attack Angle	AA.1
Slip Angle	SA.1
Project Directory	/acdata/2015/MET/20150210N1

Notes:

Shortly after takeoff, the left side power converter failed, resulting in the loss of power to the scientific instrumentation. This occurred at 205240Z and ended the mission. The aircraft executed a series of circles until enough fuel had been used so as not to incur a heavy landing. The aircraft landed safely at McClellan (KMCC) at 2338Z. Also because the AAMPS data system was abruptly shut down, the .FST and RAW_1Hz netcdf files were not created.

There were no data gaps.

All sensors worked optimally.

No dropsondes were deployed.

SPECIAL NOTE!!! The variable names 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.

	Takeoff (2038Z) KMCC	Landing (2238Z) KMCC
Aircraft Static Pressure	1017.7mb	NA
Corrected Tower Pressure	1019.0mb	1013.4mb

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