



N49RF ERROR SUMMARY

Flight ID: 20150113N1, Test Flight for CalWater2 Project

SENSOR OR SYSTEM	NUMBER OR NAME
Static Pressure Probe	PSM.1
Dynamic Pressure Probe	PQM.2
Total Temperature Probe	TTM.4
Dewpoint Temperature Probe	TDM.2X (Edgetech)
Vertical Accelerometer	AccZI.1
Altimeter	LatI.1 substituted into GPS.1
INE Selection	INE1
Dynamic Attack Pressure Probe	PDALPHA.1
Dynamic Sideslip Pressure Probe	PDBETA.1
Project Directory	/acdata/2015/MET/20150113N1

NOTES:

20150113N1_Raw_1Hz.nc was used due to errors in the 20150113N1_A.nc file.

All GPS latitude and longitude measurements were inaccurate from this flight; the latitude and longitude from inertial #1 were substituted in LatGPS.1 and LongGPS.

PSM.1 was used in this analysis due to PSM.2 not responding till 205241Z during the flight..

It was noted that for the corrected radar altimeter (AltRa1.c) output, there were 2 second data dropouts approximately every 90 seconds .

The radar altimeter (AltRa.1) experienced missing data: 2015801Z-205816Z and 214547Z-214551Z

TDM.2 was substituted with TDM.1 at 204200Z-205913Z due to abnormally high measurements.

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 analysis.

	Takeoff (2042Z) @KMCF	Land (2206Z) @ KMCF
Aircraft Static Pressure	1016.4mb	1015.6mb
Corrected Tower Pressure	1018.4mb	1018.4mb

3 Dropsondes deployed (1 Regular, 2 Prototypes), 1 Message sent to NHC.