



N49RF ERROR SUMMARY

Flight ID: 20140930N1, Inter-Comparison Flight with Global Hawk

SENSOR OR SYSTEM	NUMBER OR NAME
Static Pressure Probe	PSM.2
Dynamic Pressure Probe	PQM.2
Total Temperature Probe	TTM.4
Dewpoint Temperature Probe	TDM.2
Vertical Accelerometer	AccZI.1
Altimeter	AltGPS.2 (Honeywell)
INE Selection	INE1
Dynamic Attack Pressure Probe	PDALPHA.2
Dynamic Sideslip Pressure Probe	PDBETA.2X
Project Directory	/acdata/2014/MET/20140930N1

NOTES:

There were no data gaps.

The Novatel GPS (GPS.3) had missing data from 140915Z-141953Z, so the Honeywell (GPS.2) was selected for this 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 for the following times: 142515Z-142609Z, 165250Z-165254Z, and 172111Z-172115Z.

PDBeta.2 was substituted with PDBeta.1 (offset +1.60) from 164042Z-172115Z.

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

# Dropsondes Dropped	# Good Dropsondes	# Messages sent to NHC
18 (2 of them IR Sondes)	17	0

Note: Messages were requested to not be transmitted off the plane. The two experimental IR 'slow fall' dropsondes were launched at 152727Z and 161924Z. The 152727Z IR sonde was launched after a production sonde had been released at 152717Z for comparison.

	Takeoff (1409Z) @KMCF	Land (1721Z) @ KMCF
Aircraft Static Pressure	1010.3mb	1008.1mb
Corrected Tower Pressure	1011.8mb	1011.3mb