

# Stn 6 Visit - 24 Jan 2011

24Jan2011, 10:30-12:30 local, Militzer/Horst

Conditions: mostly calm, upper 30's, clear

Purpose: RMY swap, Soil Samples, Update Mote Code

10:40 Rad Cleaned with Methanol, did not notice desiccant condition

10:35-10:45 Mote Software Updated version 2.4

11:00-11:27 Mast Lowered. 11:08 RMY swapped. Previous sensor seemed ok and did not hear any bearing noise. Swapped anyway. Zeroed and 'boom-directed to zero' on new sensor: consistent with previous unit. It did seem as though the new sensor's prop was rotating and we didn't noticed a reported velocity. It did start reporting speed with numbers about .4 so we assumed it is ok. 11:11 adn and aup while setting 'ZN' and 'BD'

11:15 Kh2O cleaned. Voltage rose from 1.25 to 1.6 volts.

NOTE: Mast bolts on lowest joint were slightly loose; tightened them up.

ETI gauge was 2/3 full so we expect it to drain soon.

11:30-12:30 Soil Samples taken first at the main and then auxiliary locations. Container 1,0-3 and 1,3-6 were at main. Containers 2,0-3 and 2,3-6 were at aux.

Soil Analysis:

Location	Sample: depth (cm)	Tray	wet wt net (oz)	dry wt total (oz)	pan wt (oz)	dry wt net (oz)	water (oz)
6 - main	1: 0-3	4-0	4.415	3.305	0.135	3.170	1.245
6 - main	1: 3-6	4-6	5.705	4.890	0.125	4.765	0.940
6 - aux	2: 0-3	2-0	3.420	2.715	0.135	2.580	0.840
6 - aux	2: 3-6	2-6	4.775	4.094	0.130	3.964	0.811