

Stn1 Visit 26Jan11

26Jan2011 12:50-13:30 local Militzer/Semmer

Conditions: humid air, patchy fog in valley, mid 30's, snow basically gone, marshy soil

Purpose: check/fix trh, set diffuse radiometer, cleaning

13:00 Rad cleaned Rsw.in that had a couple of water droplets on it

13:06 Rad: adjusted shadow band up to correct elevation angle. It had been at about 40deg and needed to be 31deg; set it at ~32deg for 'windage'. This was done by placing a square on the 'ephemous ring' and an inclinometer on that for the peak sun elevation on the date/latitude. Also adjusted the ring up a bit and leveled the sensor. Couldn't exactly see it but believe that the previous setting was also being shaded but may have had some exposure at the beginning/end of the day due to incorrect tilt.

13:10 Rad: cleaned shadow band licor with methanol which had some bird poop on the plate and sensor head. The pile, being white, didn't really show much evidence of that but almost certainly it had some on it as well.

13:05 TRH swapped, #13 for #21. By the time we got here it was "working" but at ~1.8deg, 98%humidity. After swap it was at ~2deg (ie same) but down to 78%rh

13:15 Krypton cleaned. output went up to 1.25volts from zero.

Took a couple pictures of the standing water under the rad stand and soil mote.