

Wvally4 site visit Jan 4, 2011

On-site SteveO and Ling (Jan 4, 1011, 4:25pm)

1> clean all radiometers. same order and procedure as at hiland3. Again, all domes looked pretty clean before and after, though I could imagine that there was a tiny frost film on the pyrgeometers. [my best guess from the data is that Rsw.in changed by 1 W/m² out of 100 W/m² and Rlw.in not at all.] (4:18PM)

2> replace barometer #2 with #10 (4:26pm), readings 869.56 (4:26pm)

3> take soil samples (4:36pm), marked as 2-0-3cm (full all the way to top) and 2-3-6cm on the sample boxes. Again, were unable to process so far.

4> The precip gauge had about 10cm of power snow on top of a significant ice plug. The top of the plug may be at the top of the fluid, but the powder definitely was above that. I did some poking around to obtain the above information, but otherwise did nothing to the gauge, since it was clear at this site that precip had not yet been counted. I like the idea of returning to this gauge and heating it, but am not yet convinced that the propane torch suggestion is the best (won't it will destroy the paint on the gauge?) and had not brought it along. However, I don't yet have a better idea. We do have extension cords that may be long enough to reach from the van to provide AC power, but the small inverter is only 150W and most sources of heat I can think of would be more than that. SteveS had suggested talking to JohnH about the ETI gauges, which I have not yet done. (4:53pm)

5> Shot the boom angle (again with the Datascope) and got 80.8 degrees.