

Work 1/5

cold rain/mist all day, that got a lot of stuff (including the field crew!) soaked.

Dan did a bunch of things (he can edit):

- further work to diagnose faulty sonics
- rented a skidsteer and dug out the road to the DCS gate
- parked the rental trailer at the sounding site for ISS
- Removed faulty sonic from sh
- Installed snow depth at mh

In the meantime, Isabel and I had a supersite day:

- PRS
 - set the jumper on port 2 to bypass the part of the serial port board that was broken. 17m ec100 now online without having to replace the dsm.
 - stripped everything from Sebastian's darkhorse and rerouted cables
 - Installed 0.5m Rlw pair. This required moving the ventilator wires from being bundled with 7m and 32m for the intercomparison, to the 2m Rsw and Rlw ventilation system.
 - Installed uplooking 2m Rlw.in, but removed 2m Rsw.out, since the mounting scheme for Rsw.out.2m had to change
 - That was all we could do, since we didn't have the 7m and 32m booms, or plates to finish the Rxx.out.2m mounting (we later recovered plates from dcs, that weren't used)
- DCS
 - swapped in the spare configured modem (M73), since the old one wasn't connecting and both data and status lights were blinking alternating red and green. Took restarting NIDAS before the Pi recognized it. dcst was on the net after ddn/dup when I checked at the site, but now seems to be down again.
 - exchanged the 35m serial cable to rad_logger with a 5m one, since now much closer
 - reinstalled 0.5m Rlw pair to allow more cable length
 - dressed cables to darkhorse. In the process, found that the NR01 fan hasn't been connected. At this point, it would be easiest to connect it to the aux power on dcsg
 - lowered and tilted down the tower, to allow thermocouple cable installation.
 - ran cables to 7m, 17m, and 32m, but didn't have the screws to mount the connectors to the sonics.
 - tilted up the tower, but didn't raise.

Still needed:

- PRS
 - 1/4-20 bolts and plates (now have) to implement Dan's big plate mounting of Rxx.out.2m, then dress darkhorse cables
 - rad booms (need to retrieve from storage). I think I have bolts to mount paddles to these
 - split link for 0.5m guy (have turnbuckle)
 - all thermocouple stuff
 - may want an extra 5m bulgin in case we run out of slack for the 32m radiometer
 - raise tower
 - may need amp power plug for NR01 fan
- DCS
 - thermocouple screws
 - thermocouple logger and cabling for 1,2,3m (UU will do), along with all thermocouples
 - amp power plug for NR01 fan
 - raise tower