

Ops 1/31

Today was much like yesterday, but even warmer, with mostly clear skies and temperatures rising into the mid 40's. The winds were calm most of the day, but did begin to pick up in the late afternoon ahead of the approaching system.

The morning data check showed an issue with soils and radiation at DCS, in particular the tsoils were missing and the other variables from DCSG had dropped out at some point in the morning. We initially thought it was the typical modem problem, however further investigation revealed that all affected variables were from sensors running through the soil mote. We decided to change the PIC board for the tsoils because we have had some previous issues with that sensor, however we will keep an eye on this site in case we need to swap out the mote. We changed the tsoil PIC from TS17 to TS23 around 12:15 pm, which will require changing coefficients at some point.

Otherwise we spent the day showing John some of the ISFS peculiarities and tools for checking the data. We also visited DC to check on the work the electrician was supposed to have finished, but were disappointed to find out that nothing had been done. For now the site is still on battery power, but the charge seems to be lasting much longer now that we reseated the thermocouple.

Finally, we requested a quote from a place in town to fix the broken weld on the soil corer. Hopefully we can get it turned around pretty quickly. It should also be noted that Sebastian removed all the thermocouples from both PRS and DCS below 2m this afternoon.