

Ops 1/25

This morning started fairly warm (upper 20's) and mostly cloudy, but quickly began to clear from the north. There was light snow reported last night between 2-4 am, but we saw no new snow on the ground in the morning. The day was mostly clear, with periods of low-mid level stratocumulus, and breezy winds.

The Rohn tower at DCS was off the net this morning starting around 5 am, but came back on its own after 9 am, likely due to a modem reset. The HRXL at SP needed to be reset this morning, which we did around 10:20 am. We also discovered that the 7m thermocouple at DCS is broken. Later in the day the 32m thermocouple failed as well. We will replace these along with the 32m at PRS tomorrow, per Sebastian's request.

In the afternoon we visited UP to connect the NR01 fan, per Dan's request, and tested a faster method of taking Leica measurements of the CSAT boom angles. We used the GS16 and field controller to measure two points along the boom and one point along the same bearing away from the boom. This process was significantly faster than measuring the points with the multi-station, so hopefully we will get useful angles from it. We repeated this process at PC and SH as well.

Each of the sites we visited today had shown suspicious behavior in snow depth on 23-24 Jan., as reported by Jacquie (<https://wiki.ucar.edu/display/CFACTISFS/CFACT+Data+Matrix?focusedCommentId=475761174#comment-475761174>), but we could see nothing visibly wrong. We did not further investigate, as the data now look reasonable.

In the late afternoon Liz discovered that the 449 profiler wasn't working, so she spent the last part of the day (except for when we launched the afternoon sounding) troubleshooting the problem. I finished the day providing moral support as she successfully corrected the issue.