marsh work

S1: We knew that Qsoil here has been mostly down (a few good samples have come through). No obvious issues with cables/connectors/etc., but still bad Qsoil values (nan). Pulled entire probe out of the ground and brought back to trailer. (In the process, disturbed Gsoil, which did change briefly by as much as 0.5 W/m2, but seems to have settled back in.) In trailer, find that the Qsoil PIC continuously resets when a probe is connected, and never is able to give it the full 3.3V excitation pulse. Either the EC-5 is dead, or something is wrong with the PIC front-end to the probe. (The rest of the PIC runs fine.) Further debugging needed, but in the meantime, no Qsoil at this site. (Since we don't have a spare EC-5, the only other option is to take the Qsoil PIC to another site (9 or 15) and swap it in as a test. I'm sorry I didn't think of this when we were at S9 this morning...)

Thought about taking core, but rather useless if no Qsoil!

Shot boom angles (though forgot to bring monopod, so a bit shakey).

S9: Grabbed a "soil" core from here at 0938. Had to undercut the core in order to remove it. (The entire corer pulled out, leaving the plug behind the first time.) Mostly a peat-type mesh of roots. Core now being processed in lab.

Shot boom angles.

S10: Shot boom angles.

S12: We knew that this had been off the net since last night. The cell modem had a yellow status light. Unplugging and replugging the modem caused its LEDs eventually to go to green, but had to reboot to get the system to connect. After the reboot, all was fine. "lsu" showed that local storage had been working fine, so no data lost.

shot boom angles.

Attempted to walk to S13 to shoot angles, but couldn't cross the ditch.