

# Marsh trip 30 sep

Went in knowing that there were lots of issues, related to the high water from the recent storm. Out from trailer 1300-1700 with Cristina:

S3: Station dead due to water getting into DSM through duct-taped Gordon hole. Obvious bits of corrosion on power interface board. Wiped off water on board and replaced blown main fuse, but new fuse blew within a few seconds (DSM LEDs were briefly all green.) Removed DSM for debugging /replacement. Capped cables by putting into an empty water bottle. Strapped lid down on battery box.

S1: Power monitor board blown due to shorting with obvious corrosion. Replaced with spare we had brought. Strapped lid down on battery box.

S11: Power monitor board blown due to shorting with obvious corrosion. Battery cooler lid was ajar. Left in place. Strapped lid down on battery box.

S7: Power monitor board obviously had been wet, but still reporting. However, gain on Vbatt was 0. Changed with vbg=10 and now get a voltage (though calibration probably isn't correct). Strapped lid down on battery box.

S15: Water everywhere, but station was working. Tried cycling power on both sides of Bluetooth, but could get data to flow. Rebooting DSM brought back the Bluetooth connection. During this visit, the blue Bulgin cap for the console port blew away. We need to replace this. (Why aren't spares in the box or laptop case or toolbag?)