

# Daily Status 10/1

9/30/16

Summary: Still overcast with steady winds. Flood levels have dropped from yesterday but are still high. S3 replacement DSM is being tested for deployment today.

Actions past 24 hours:

- Yesterday (9/30) Marsh is still at flood conditions. Several stations are having problems after the storm. S2, S9, and S14 TRH's are not reading current. S3 is completely off line. S1, S7 and S11 are not giving any power readings but are sending CSAT data. S15 has lost all mote data. The tower has a power mote issue and the TRH at 42M is not reporting fan current, 25M stopped but has recovered. A boat trip in the afternoon recovered the DSM from S3 and repaired damage at S1, S7, S11 and S15. A boat trip saw the power mote replaced at 1, box lids strapped down at 1, 3, 7, and 11, and the connection to the mote restored at 15. Battery box lids facing the wind apparently aren't rated for sustained winds over 20 meters per second.

To dos:

- Reshoot all boom angles (just because...Have done most sites so far)
- Soil core samples (took some from S15, could redo S9, S1 waiting for a new Qsoil)
- Install TP01 when fixed
- Fix WWW plots that die too frequently

Sensor Status:

T/RH: Lots of issues: 42m now Ifan=0, don't know if this is real; S9 Ifan=0, don't know if this is real

P: ok; Pirga still lower by about 1mb

2D Gill: ok

csat u,v: ok

csat ldiag: ok

csat w, tc: ok

EC150: ok

motes: S15 not reporting despite restart of bluetooth software

Wetness: ok

radiation: ok

Tsoil: ok

Gsoil: ok

Qsoil: S9 and S15 ok; S1 is dead (a new EC-5 sensor may be coming from Boulder)

Cvsoil: still need to have John/Steve S come up with a fix (in Boulder)

Rainr: ok

Vbatt: ok