

# QC tasks

This list for my own use (though others are welcome to comment/add)...Steve

sonics: have Gordon/Kate shoot a third set; take median of the 3 for boom angles; put into QC files

TRH: check T against a neighbor anytime Ifan=0 to see if fan was really off. If on, reset Ifan minValue.

TRH: add offset from postcal to one sensor that read off

(DONE, on eddy) Pirga: adjust offset

Qsoil: just use median of gravimetrics everywhere (need to take more)

Cvsoil: just use median of values taken (need to get one working from Steve S.)

tc: correct based on Tc using Tom's method; use when TRH dies

Rad: remove cleaning periods?; remove wetness-not-dry

Wetness: convert S15 to water-on-surface flag

(DONE, on eddy) Rain: remove test tips

IRGA: remove cases with water on lens (there should be a diag flag for this?)

(DONE) Remove all S3 data from ~1800 9/30 to ?? 10/1 while testing/configuring Pi DSM

on 10/3, tower rebooted (probably low power) with wrong date; 2 misnamed data files were created.

(Not only are the files misnamed, all the recorded timetags are wrong as well. chrony was running, but simply logged that the PPS/NMEA inputs were hugely different – it didn't correct the system clock. We would have to adjust the timetags (ideally, using the valid GPS messages in the data to synchronize, though we don't have PPS) of all samples. Gordon doesn't have a utility to do this and recommends simply tossing the 1.5 hours of data in these files. Unfortunately, winds are from the north to northeast during this period at 4 m/s, which could be good data.)

(DONE, on eddy) Qsoil has some downward spikes in early Oct – add a min threshold of 60(!).

Pirga: s15 Changed(?) to internal on 21 Oct 12:00, added offset of 2.6mb. Bad data while this change was made from 11:25-12:00. s13 had level shifts during rain on 22 Oct.