

today's rounds

A19 replaced TRH lower. Initially came up fine, then died within 20minutes. Recycled power and came up again, but later died again. This is the unit that had been taken to Boulder and tested okay.

A19 started to remove GPS (to swap in order to reconfigure), but decided against. In the process, popped out the SD card that brought the station down for about half hour while I tried to debug.

A18 TRH lower won't send data. Removed. Later replaced sensor and tested on A9 and saw that it was still dead. Likely is a bad connection. Note that this is the sensor that I spliced the chewed-up cable.

A11 Unplugged Tsoil.g, that is obviously bad. However, tried plugging in 2 different probes that I had brought from Boulder and both gave odd readings (temperatures between 0 and 300 degrees, changing sporadically). John has taken one of the probes back to Boulder, while I'll try to determine if the other can be made to work. Any Tsoil.g data from this morning should be deleted (even "good" values were taken in air).

A15 moved to new location. Sonic is now at 2m (up from 1m). Boom angle shot and added to table.

A17 moved to new location. Sonic is now at 0.5m (down from 1m). Boom angle shot and added to table.

A8 John removed the mote that is non-functional to take to Boulder.

M Shot 4m boom angle (and reshot 2, 3, 5 to check). Angles off since yesterday.

Later:

M replaced serializer in 10m CSAT (removed from MFO 853(?)). This brought back the krypton.

A18 found that my splice of TRH lower had accumulated water and oxidized the Orange wire. (The problem was because I couldn't find encapsulating heat shrink and had relied on normal heat shrink to protect the splice.) I repaired, wrapped with electrician's tape, and stuffed the splice into the boom. Now this works.

A11 Power had dropped. Possible reason is that the power supply (that I replaced the fuse on yesterday that likely had blown during the lightning) is weak. Another possibility is a bad battery (PCAPS leftover). Another is the charge controller. Removed all of this (and brought back to the base for testing). In the meantime, stretched a DC power cable from M to A11's DSM.

Known issues still remaining:

A19 lower TRH still bad

A8 charge controller isn't keeping the battery up. Battery voltage was only 12.0 at 1630, despite good sun in the afternoon.

A8 mote wasn't operating. John should be able to fix in Boulder

A11 Tsoil.g is dead and replacements didn't work (will keep on testing)

Much later:

M 15m TRH not reporting. Replaced and now okay.