

instrument status

Most of the instrumentation is working, however there are several issues:

1. The Picarro is now back at the factory being looked at after lightning damaged its serial port.
2. TRHs continue to fail sporadically across the network. Most revive with a power cycle. Recently, these outages have only been on I2C TRHs. In all the recent cases that I can recall (and where I've visited the site), the fans were still running. Today, A19.2m was brought back to life by replacing the head (but keeping the same SHT). We've noticed hints of corrosion on the back (top) side of the Binder connector and sometimes on the fan control board. I would <strongly> recommend potting both of these areas.
3. Tsoil.g still reads mostly garbage through the mote since the lightning strike killed the original Tsoil.g sensor. The replacement probe that is in the ground reads fine in RS232 mode. Changing the mote data reporting to 5s didn't help. Thus, there must be a data format mismatch between the Tsoil and mote. Steve and John are looking into this.
4. Qsoil.c died at about midnight last night. There are no obvious signs of damage above ground. When it is the only sensor plugged into a mote, it reports na's. When any other sensor is connected to the mote, even the na's disappear.