

# Burn in 1/3

Steve and I paid several visits to prs today.

- replaced 3m trh housing with one that actually has a fan in it!
- fixed pressure port mount on 2m sonic boom (was missing a piece of 1/2" PVC pipe, that was cracked during set-up)
- debugged long wave radiation mote. Mote wasn't reporting data, replaced mote, then found incoming radiometer reporting bad data. Back at base Steve disassembled it and after that it worked again so we put it back at the site. Now the entire prs radiometer intercomparison is running.
- debugged (some of the) sonic problems. Ec100 at 2m was completely unresponsive, though showed green light for the sonic and red light for the ec150. Tried a bunch of things but ended up replacing the ec100, after which sonic and gas were both ok. Also ended up replacing the 3m csat head, which was giving nans for winds and diagnostic code of 16 ("reacquiring signal"). At prs the 1m and 17m ec100s are still unresponsive and the 7m and 32m sonics are reporting NAs

We visited dcs at the end of the day to see why dcst was down, suspecting power or network problem. Problem seems to actually be that the serial board is not showing up as a usb device, which kills networking since the modem was plugged into it. No serial ports working and no port status lights on the serial card, but the gps ops light was still blinking. Lsusb output doesn't show the serial board or anything plugged into it. Will try replacing the dsm tomorrow.

Meanwhile Dan fixed power problems at several sites (dcs, pc, and lc) and worked on getting someone to plow site accesses. We learned that the guy who watches over the Water District building plowed access to the base.

Dan also cycled power at sh to get it back on the network.

Plan for tomorrow is for Steve to work on mounting radiometers and thermocouples in their proper places at dcs with Sebastian, while Dan and I see about replacing more sonics and ec100s. We haven't run out of spares yet, but getting very close.

Feel free to add details, this is short because I'm typing it on my phone...