

7m TRH intermittent

Data from the 7m TRH has been intermittent for more than a month.

Here's a typical dropout, where the unit quits reporting, then 15 hours later comes alive, with startup messages:

```
2010 10 02 14:07:54.4656      0      40 \x00\x00\r Sensor ID16      data rate: 1 (secs)\n
2010 10 03 05:28:49.2103 5.525e+04      29 \rcalibration coefficients:\r\n
2010 10 03 05:28:49.2517 0.04144      21 Ta0 = -4.042937E+1\r\n
2010 10 03 05:28:49.2827 0.03095      21 Ta1 = 1.022852E-2\r\n
2010 10 03 05:28:49.3134 0.0307      21 Ta2 = -2.096747E-8\r\n
2010 10 03 05:28:49.3445 0.0311      21 Ha0 = -1.479133E+0\r\n
2010 10 03 05:28:49.3773 0.03286      21 Ha1 = 3.554063E-2\r\n
2010 10 03 05:28:49.4057 0.02836      21 Ha2 = -1.382833E-6\r\n
2010 10 03 05:28:49.4390 0.03329      21 Ha3 = 3.354407E-2\r\n
2010 10 03 05:28:49.4693 0.03031      21 Ha4 = 3.666422E-5\r\n
2010 10 03 05:28:49.8050 0.3357      29 TRH16 4.91 94.96 4474 3057\r\n
```

Email from Ned:

the TRH at 7m now seems to be re-appearing during the night time and then at about 8am it drops out again...

http://www.eol.ucar.edu/isf/projects/BEACHON_SRM/isfs/qcdata/plots/20101001/Tprof_20101001.png

My guess is that it is a power problem, either in the cable, or corrosion in the unit. This unit and cable was replaced on 7/22. The problem before was different, looking like a RS232 problem, where I don't think we saw the bootup messages we're seeing now. <https://wiki.ucar.edu/xvBWdAw>