

rsw04 CSAT3A and LI7500 no longer responding

Steve noticed that ports ttyS11 and ttyS12 are no longer reporting any data on rsw04. After getting rsw04 updated and clearing off the USB yesterday and restarting DSM, those ports are still not reporting. They were working until Feb 25. ttyS10 was out for a while also, but it came back this morning at 2017 03 10 12:16:47.339, before the reboot.

```
[daq@ustar raw_data]$ data_stats rsw04_20170[23]*.dat
2017-03-10,15:58:41|NOTICE|parsing: /home/daq/isfs/projects/Perdigao/ISFS/config/perdigao.xml
Exception: EOFException: rsw04_20170310_155028.dat: open: EOF
sensor          dsm sampid    nsamps |----- start -----| |----- end -----
| rate          minMaxDT(sec) minMaxLen
rsw04:/dev/gps_pty0 35 10 3944084 2017 02 03 09:44:08.995 03 10 15:58:
31.569 1.29 0.015 1090606.000 51 73
rsw04:/var/log/chrony/tracking.log 35 15 133438 2017 02 03 09:44:53.133 03 10 15:58:
25.024 0.04 0.000 1090616.750 100 100
rsw04:/dev/ttyS11 35 100 38021353 2017 02 03 09:44:08.517 02 25 09:48:48.136 20.00
-0.016 0.992 60 77
rsw04:/dev/ttyS12 35 102 38021782 2017 02 03 09:44:12.831 02 25 09:48:48.206 20.00
-0.107 1.390 40 125
rsw04:/dev/dmmat_a2d0 35 208 39114544 2017 02 03 09:44:08.570 03 10 15:58:
31.363 12.84 0.034 1090604.875 4 4
rsw04:/dev/ttyS10 35 32768 767733 2017 02 03 09:44:13.130 03 10 15:58:31.137 0.25
-0.031 1132080.875 12 104
```

Steve tried connecting to the ports directly yesterday and did not see anything. After the reboot, I still don't see anything either. This is a viper, so I'm thinking ports 11 and 12 are on the second emerald serial card, and these log messages are relevant:

```
[ 41.641774] emerald: NOTICE: version: v1.2-522
[ 41.842945] emerald: INFO: /dev/emerald0 at ioport 0x200 is an EMM=8
[ 41.871947] emerald: WARNING: /dev/emerald1: Emerald not responding at ioports[1]=0x240, val=0x8f
[ 41.881346] emerald: WARNING: /dev/emerald1: Emerald not responding at ioports[2]=0x2c0, val=0x8f
[ 41.890757] emerald: WARNING: /dev/emerald1: Emerald not responding at ioports[3]=0x300, val=0x8f
```