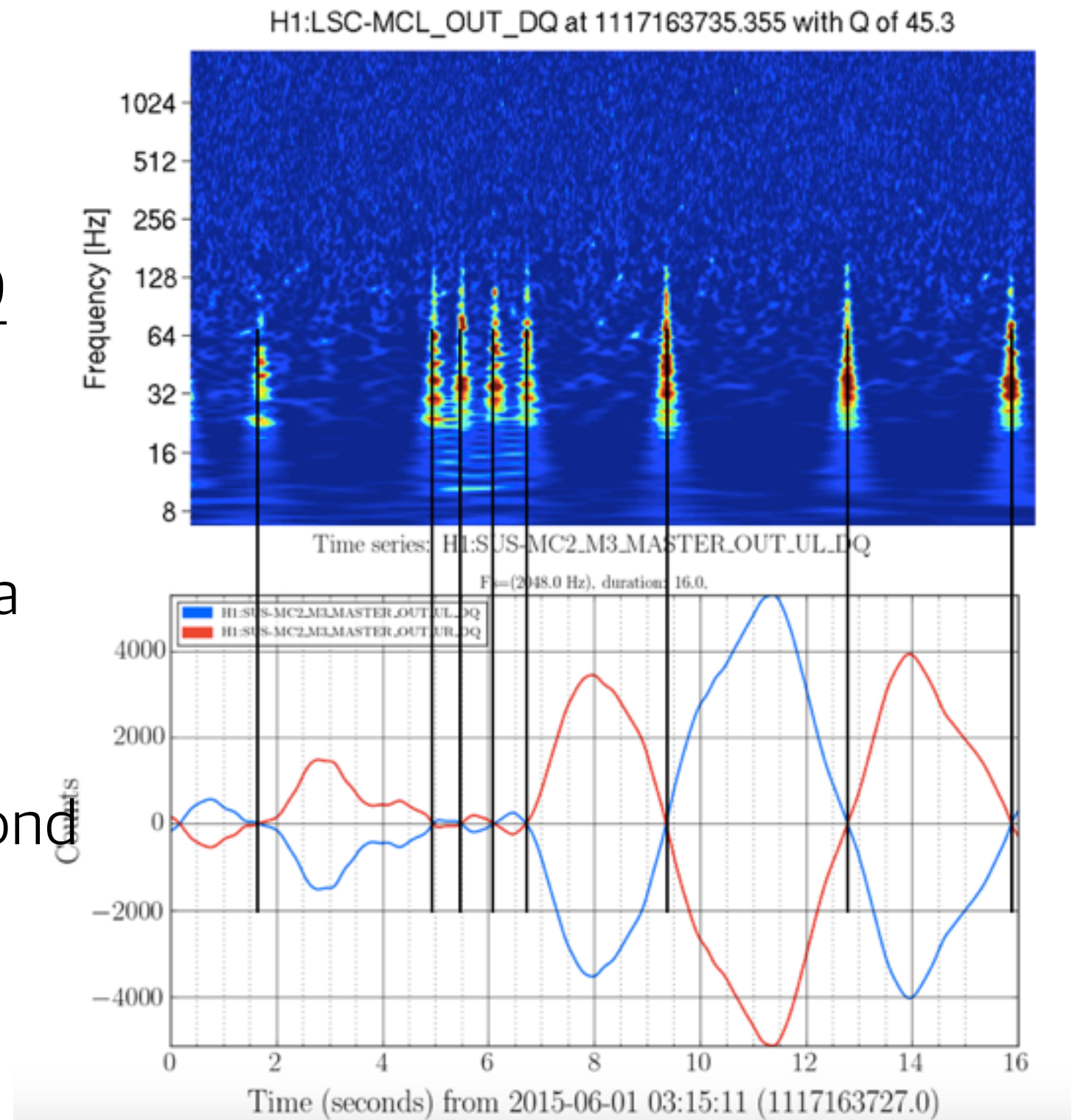


LHO aLog

Edwin J. Son (NIMS)

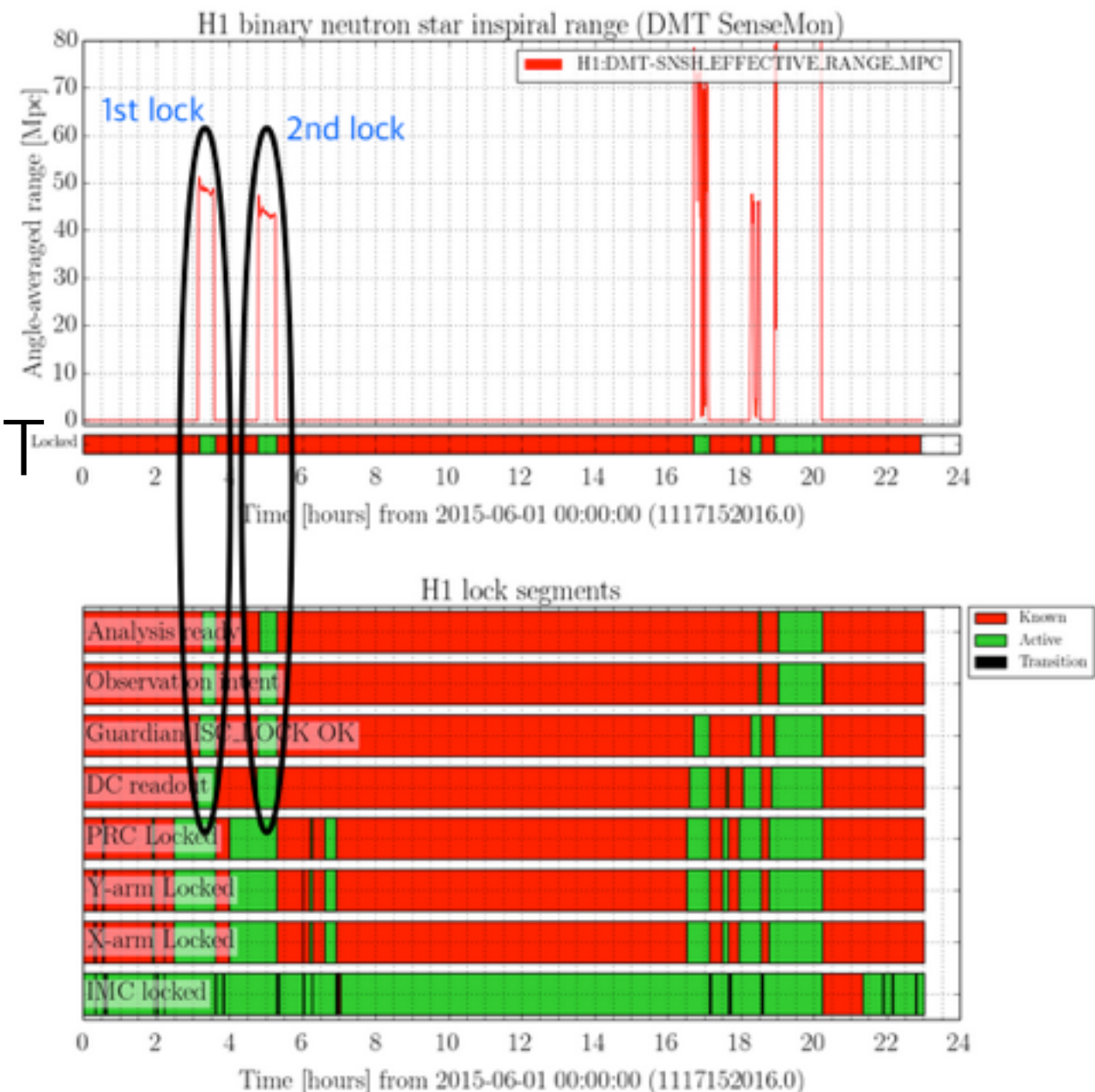
DAC zero crossing glitches

- <https://alog.ligo-wa.caltech.edu/aLOG/index.php?callRep=18739>
- DAC glitches in MC2 M3
- The first plot is an Omega scan showing glitches in MC_L, and the second shows that they correspond to zero crossings in MC2 M3 control.

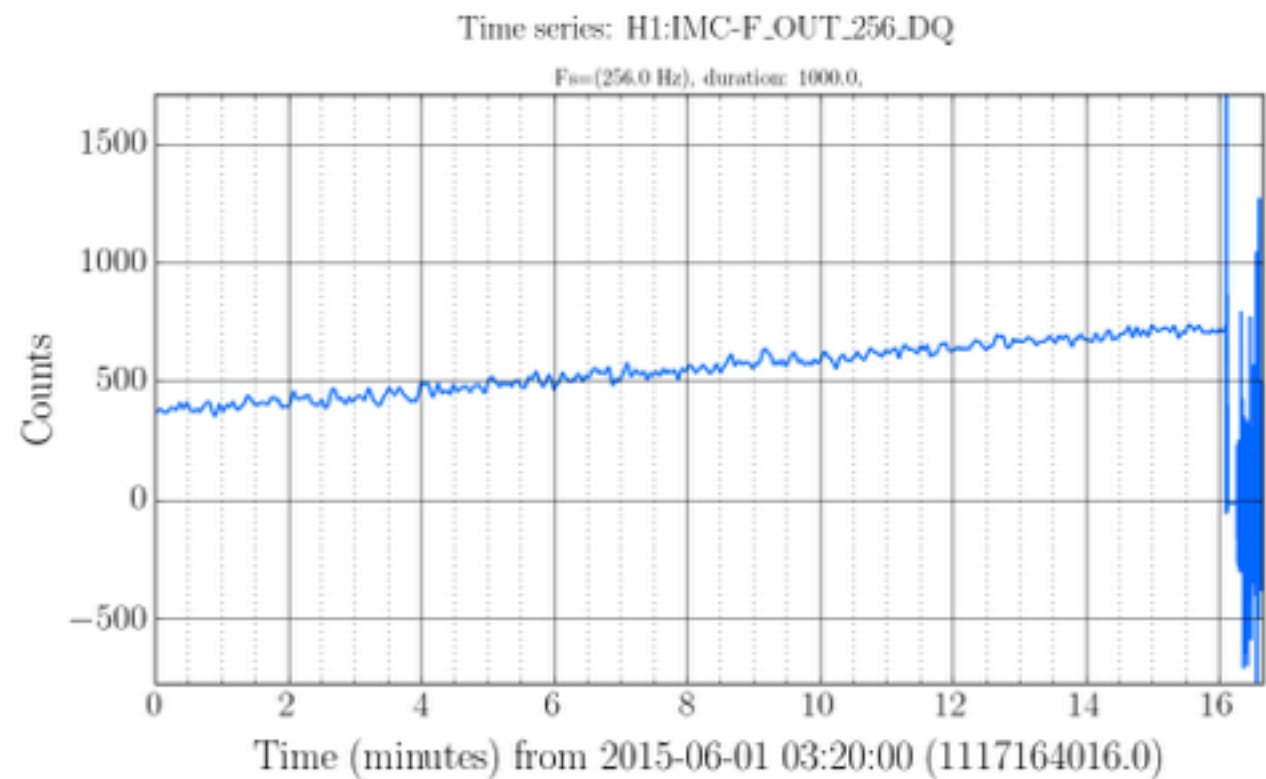
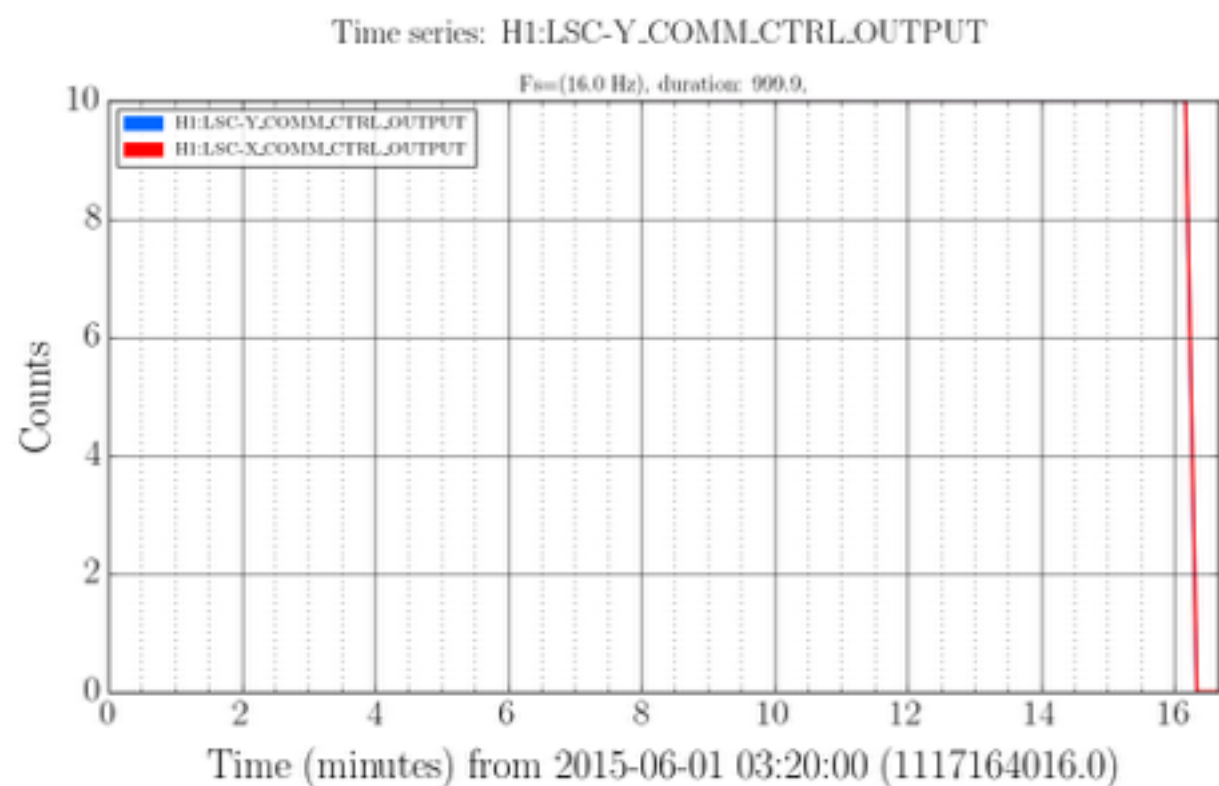


Common tidal saturating

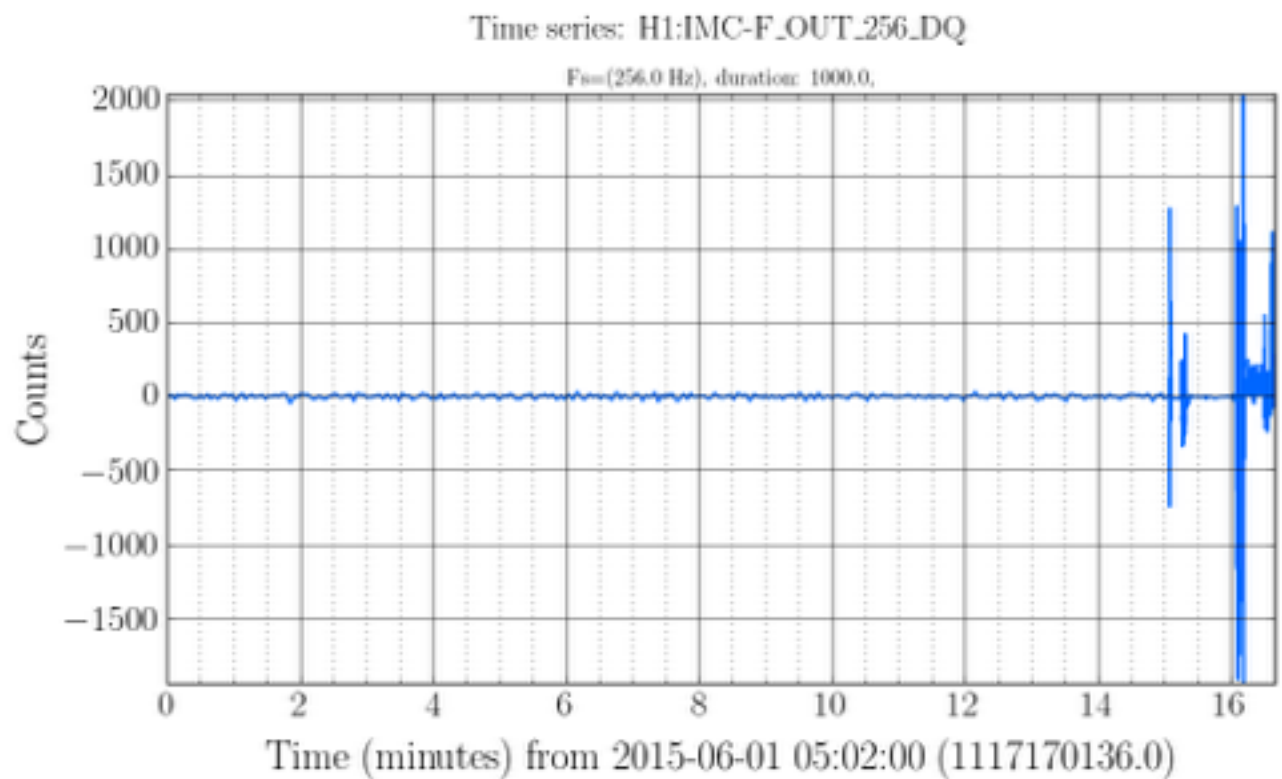
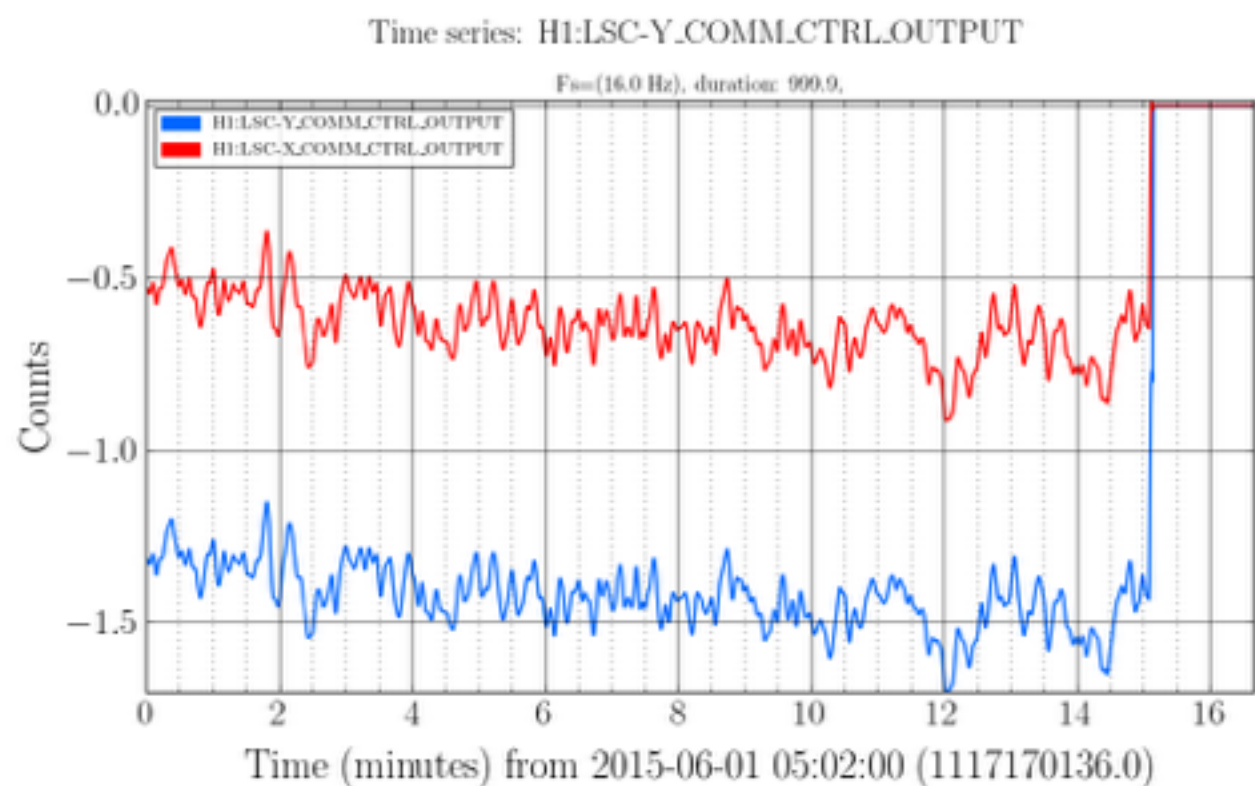
- <https://alog.ligo-wa.caltech.edu/aLOG/index.php?callRep=18748>
- LSC-Y_COMM_CTRL_OUTPUT and LSC-X_COMM_CTRL_OUTPUT at the end of the first short observation intent time are saturating at 10 μm for this whole lock.



[1st lock]

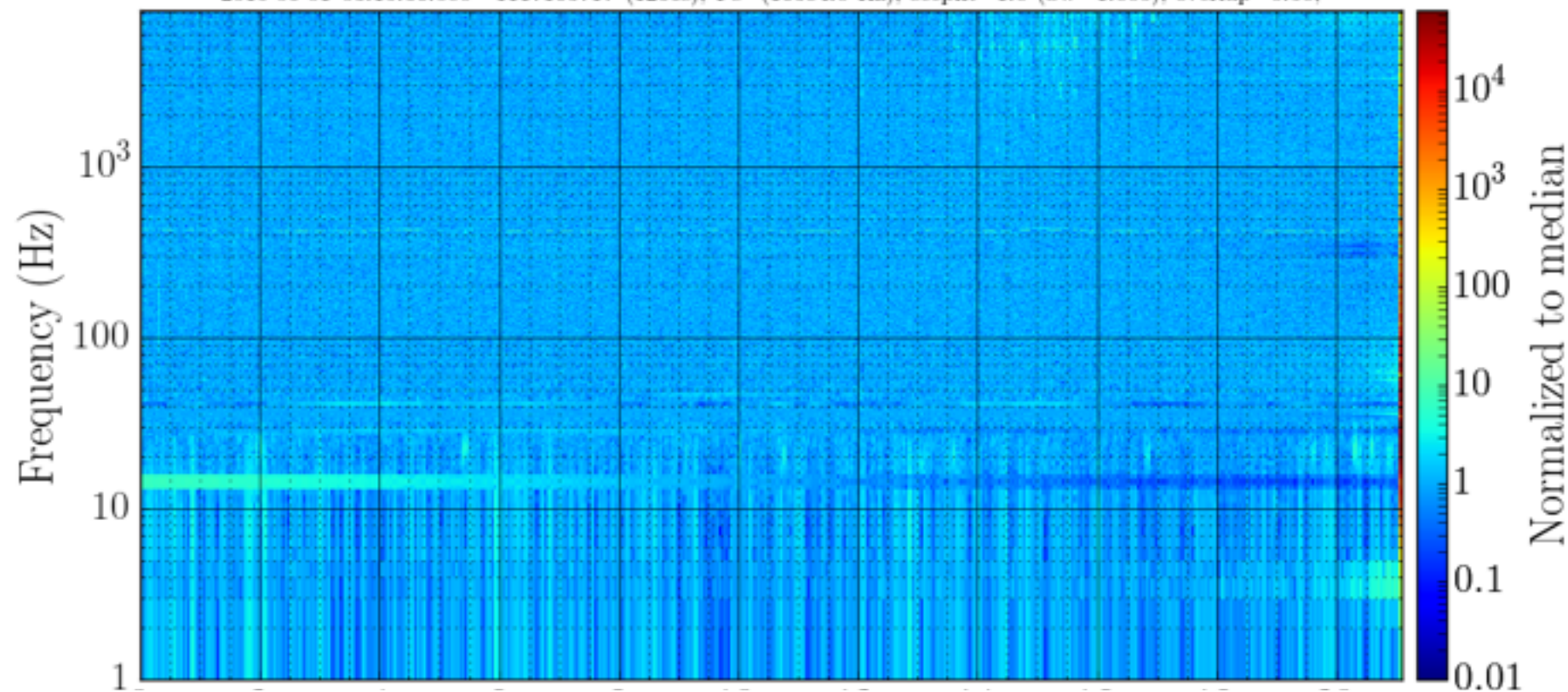


[2nd lock]



Spectrogram: H1:CAL-DELTA-EXTERNAL-DQ

2015-06-01 03:15:36.000 - 1117163717 (1266s), Fs=(16384.0 Hz), secpfft=1.0 (bw=1.000), overlap=0.50,



- some additional noise during the first lock

- DARM coherence with MCL, PRCL, and SRCL also increases.

Coherence spectrogram: H1:CAL-DELTA-EXTERNAL-DQ vs. H1:LSC-MCL-IN1-DQ

2015-06-01 03:15:36.000 - 1117163717 (1266s), Fs=(16384.0 Hz), secpfft=0.5 (bw=2.000), overlap=0.90,

