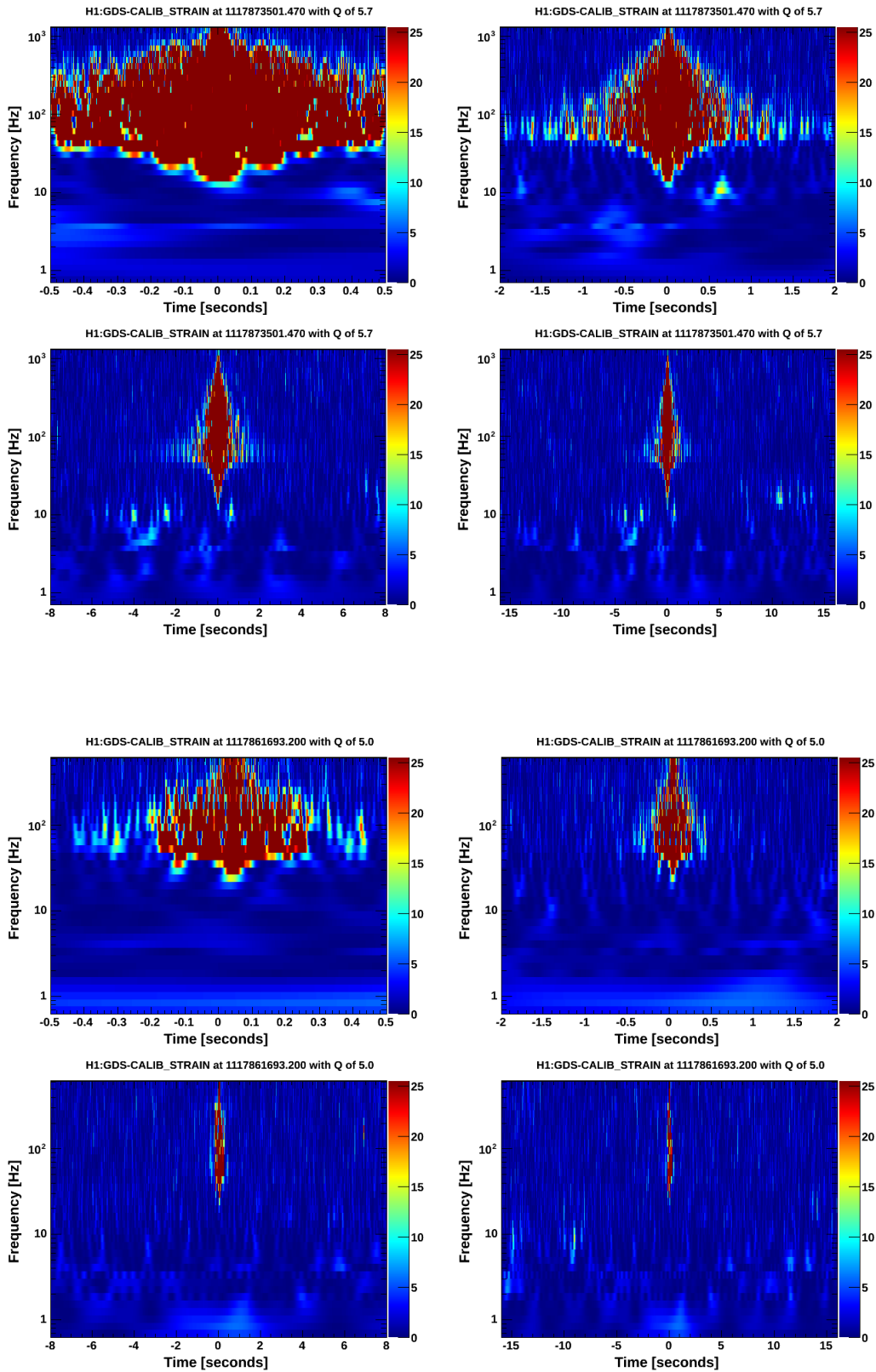


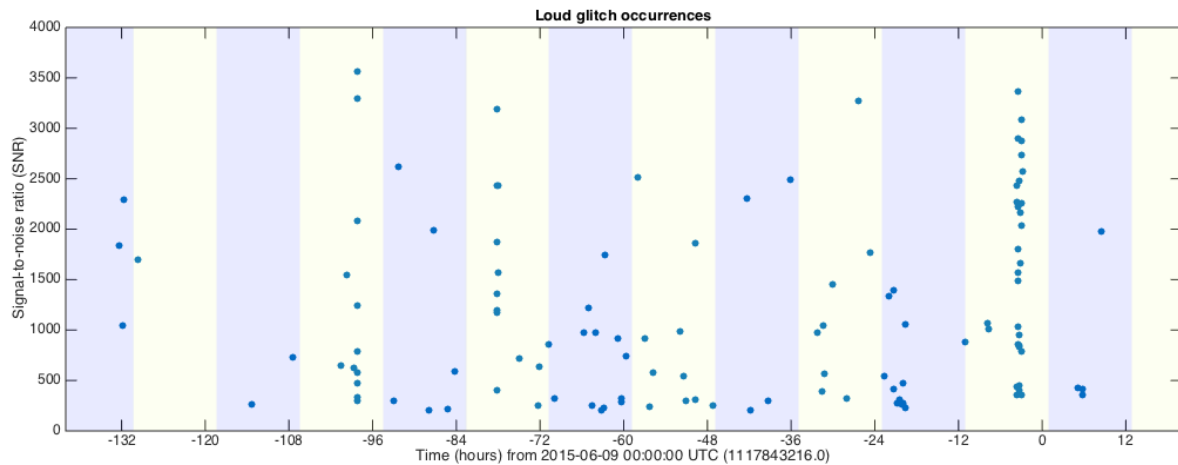
Very loud (SNR 200-2000) glitches

- Typical OmegaScans

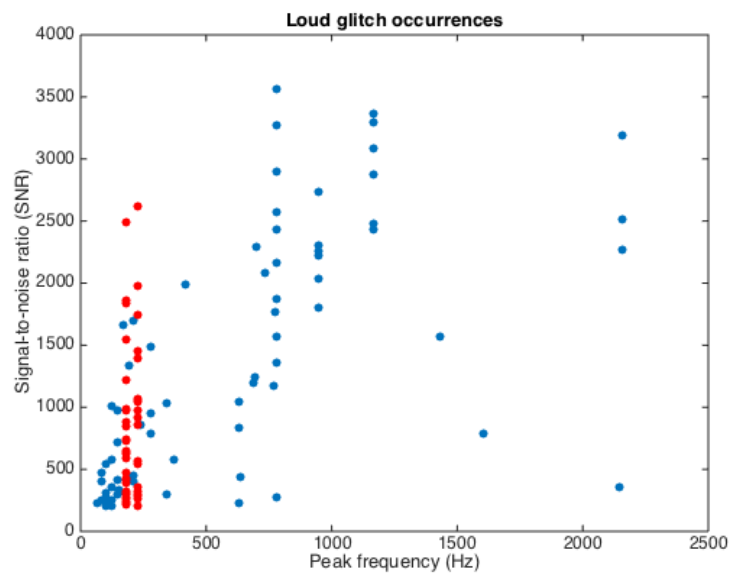


Very loud (SNR 200-2000) glitches

- Time / frequency / SNR distribution



- Yellow – daytime (6am - 6pm) in Hanford
- Blue – nighttime (6pm - 6am) in Hanford

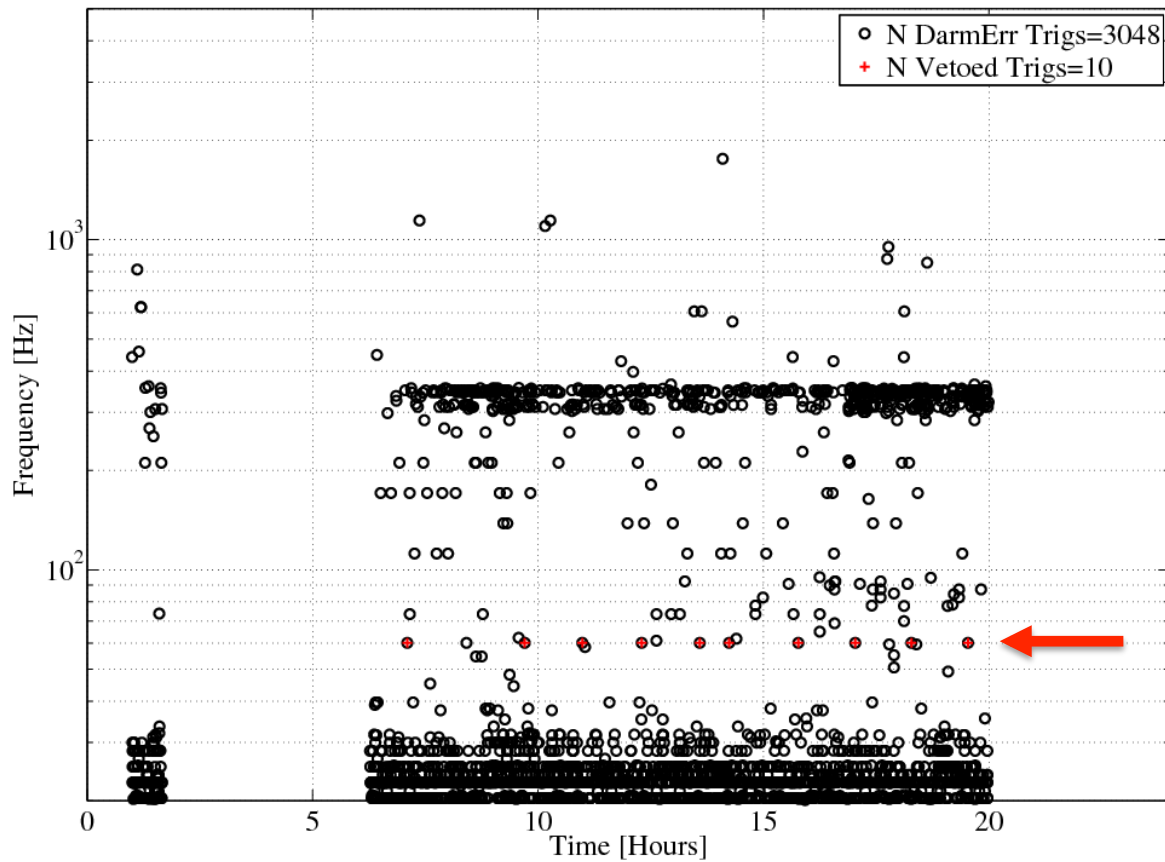


- Strongest lines at 183.5 Hz and 225.34 Hz.

Quasi-periodic 60 Hz glitch

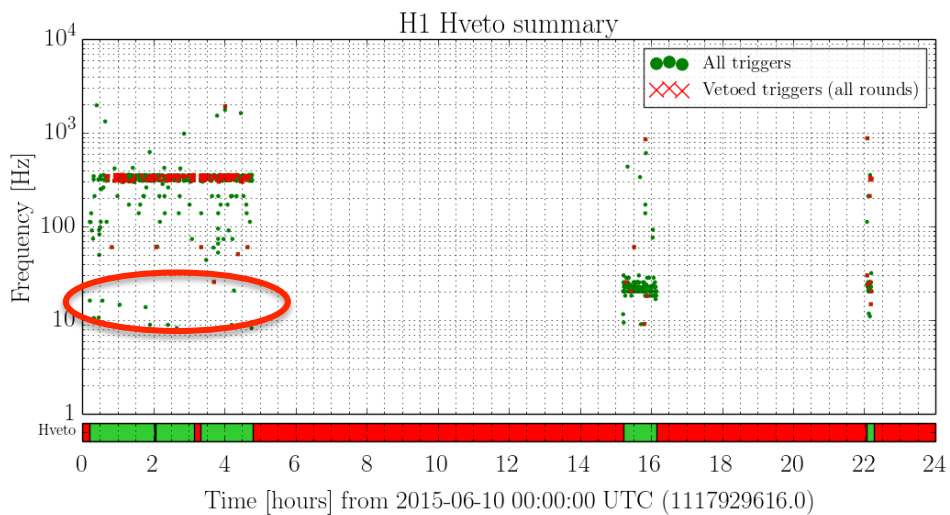
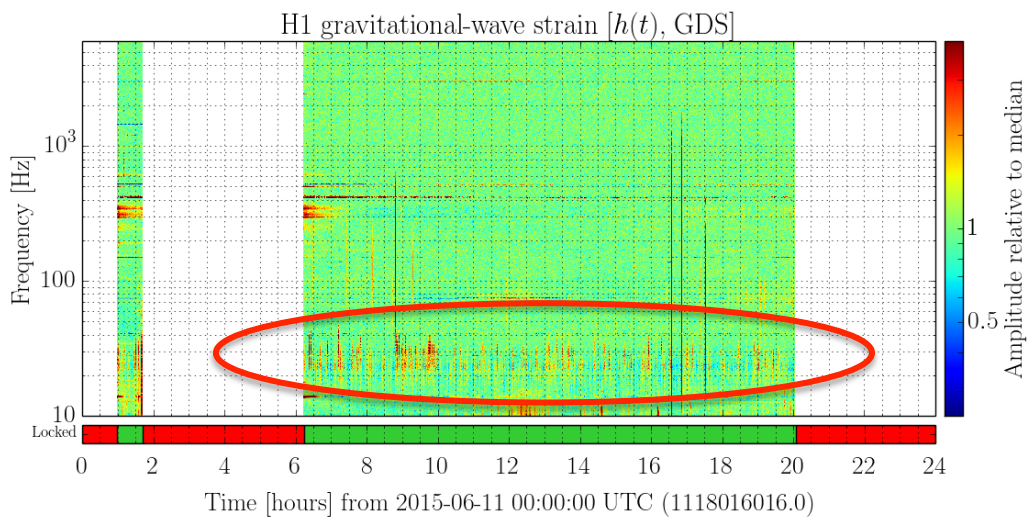
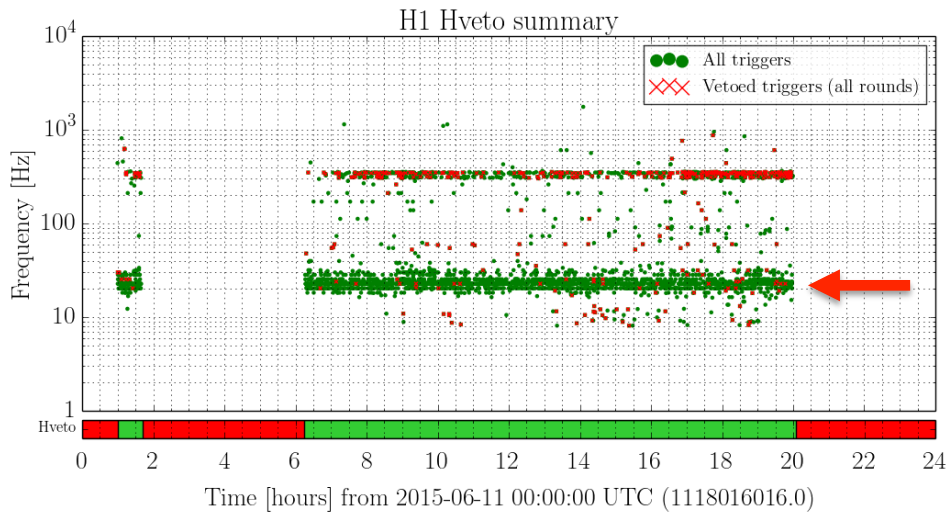
- Occurs every 70 – 80 min, SNR ~ 20
- Consistently vetoed by SUS-ETMY_L2_WIT_L_DQ

Time-Frequency Map: Detector=H1, Round=4, Winner=SUS-ETMY_L2_WIT_L_DQ_Omicron
Times offset of GPS=1118016016, UTC=2015-06-11 00:00:00



Non-stationary noise at 20 - 30Hz

- Unvetoed Omicron triggers, thin vertical lines in spectrogram
- Absent from first lock on June 10

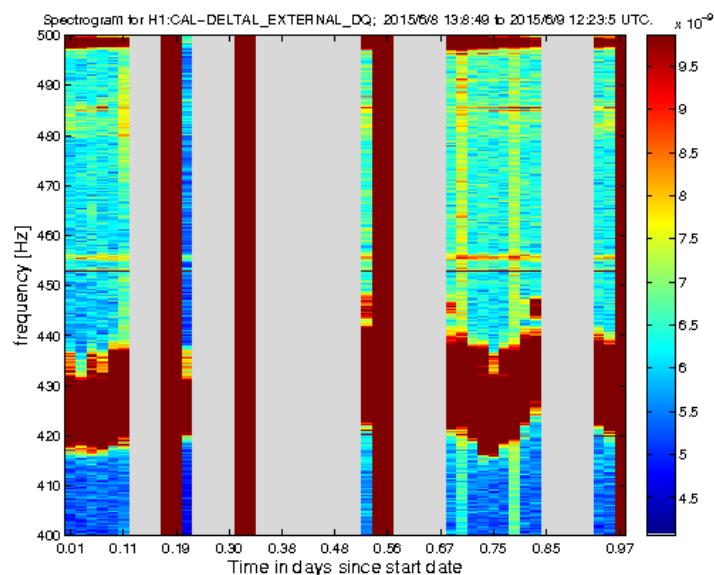
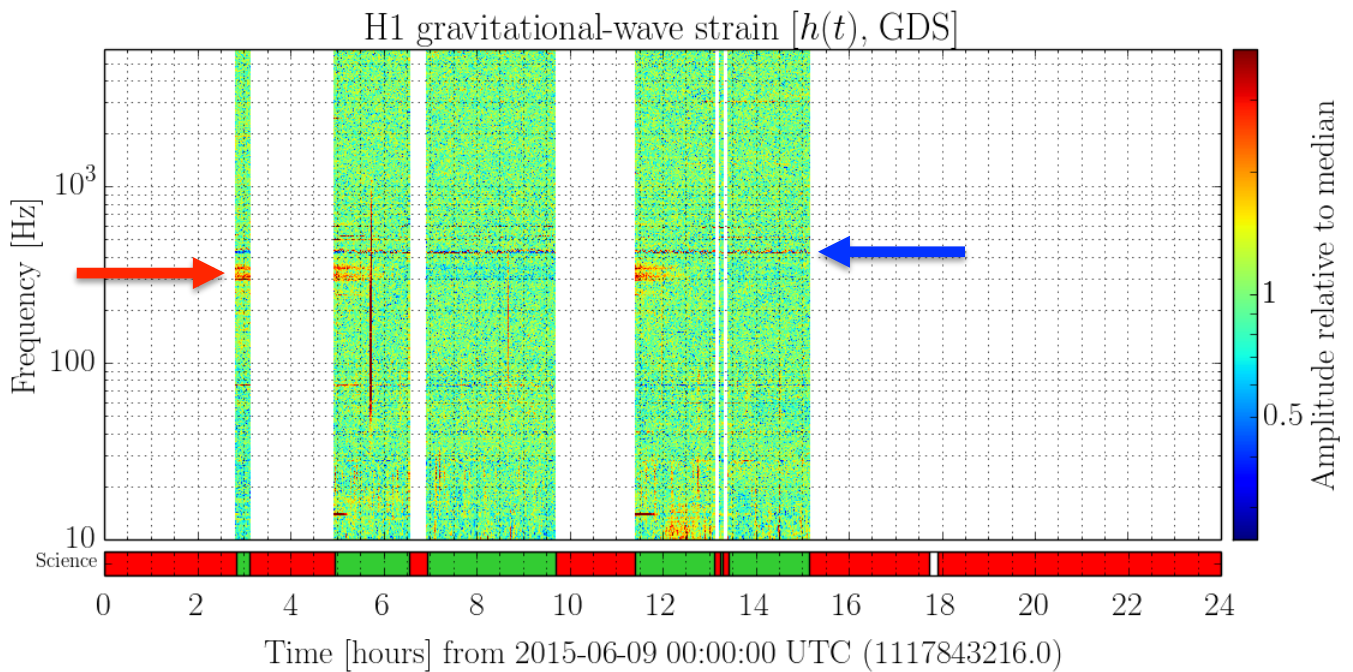


Broadband lines at 310 and 340 Hz

- Visible in the normalized spectrograms (red arrow)
- Strongest at the beginning of a lock
- Decay over a timescale of ~ 1 hour

Wandering 430 Hz line

- Visible in the normalized spectrograms (blue arrow)
- Seen to wander slightly in Fscan



$h(t)$ calibration

- ASD ratio shows unusually high variance
- odd broadband behavior from 07:30 - 09:40 UTC on June 9

