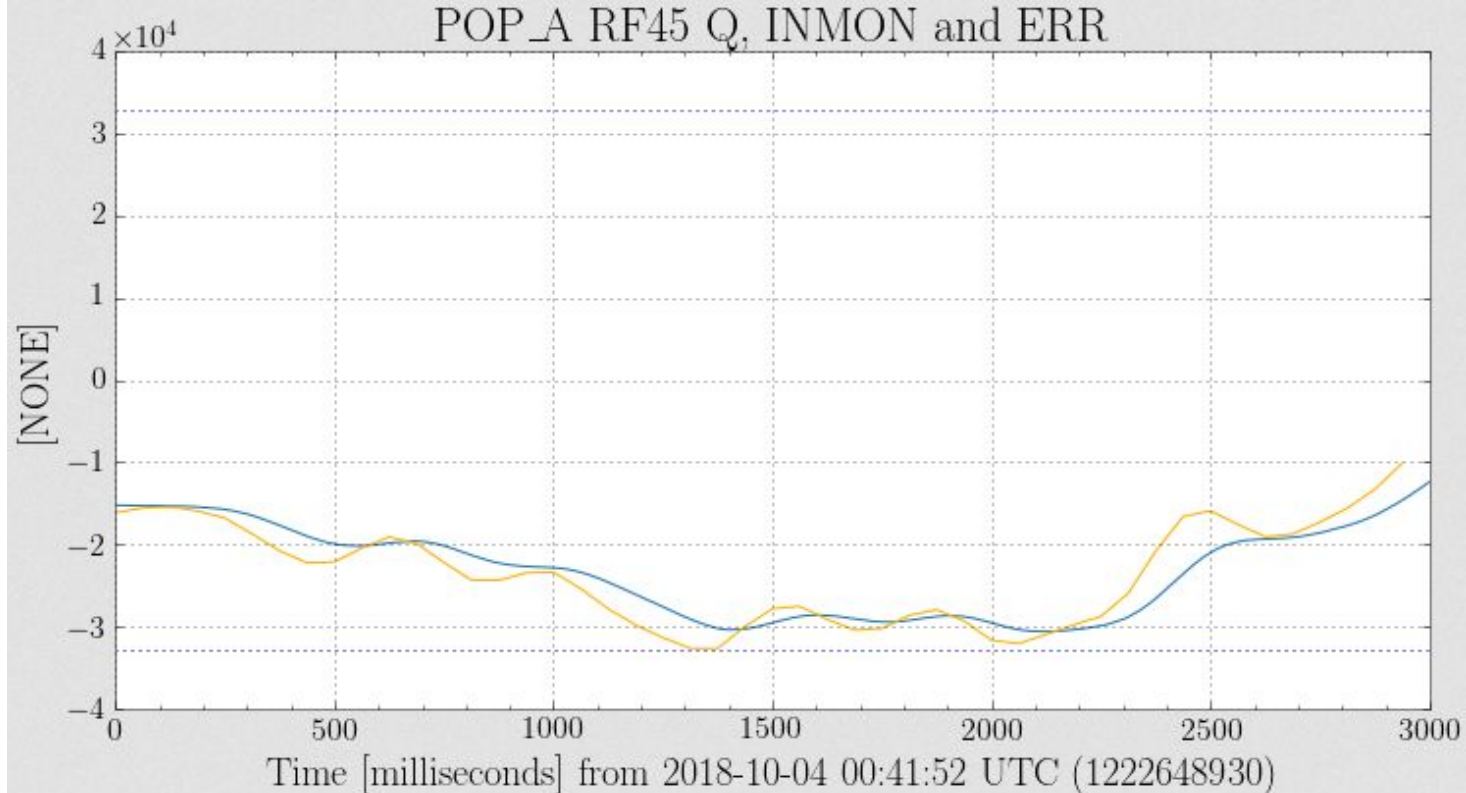


Locklosses on 10/4/18 and POP A RF45 Q

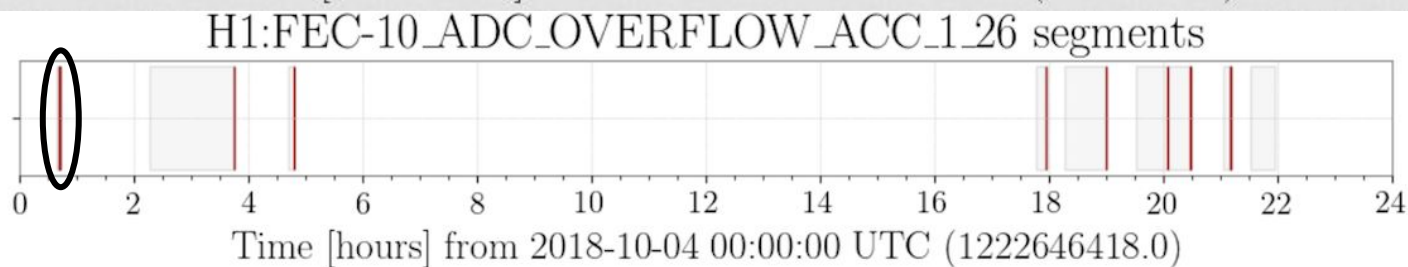
Jeffrey Bidler, Josh Smith, Andy Lundgren, TJ
Massinger, Alex Urban

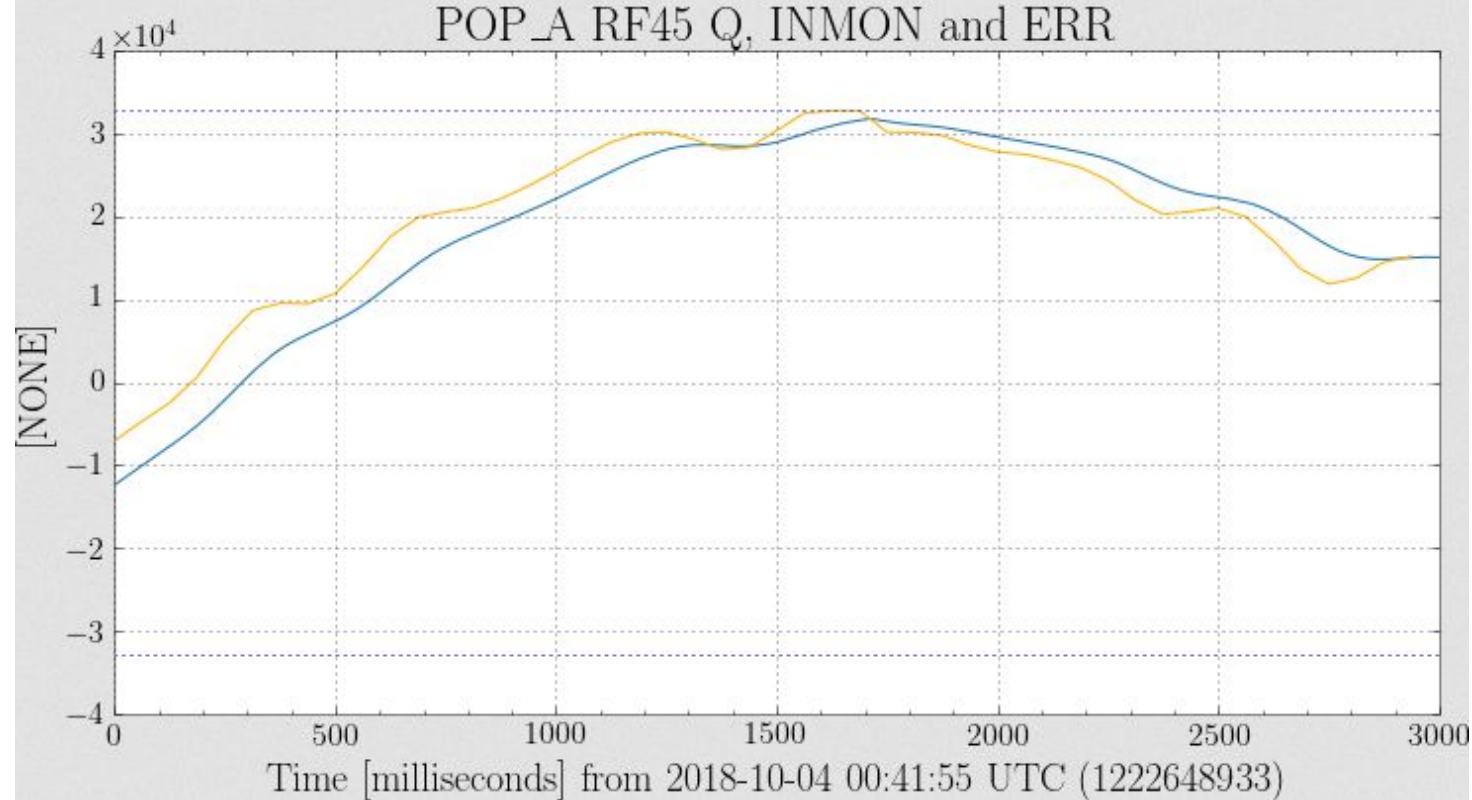
Conclusions

- Keita showed in this [Alog](#) that POP A RF45 Q saturated before one of the locklosses on 10/4. Here we look at all the other locklosses on that day.
- **For 6 of 8 lock losses on Oct 4, POP A RF45 Q saturated before lock loss** (see next slides). It also saturated during lock sometimes
- In comments to the same log, **the filtering of this channel has been changed to fix this problem.**
- Summary page overflows:
<https://ldas-jobs.ligo-wa.caltech.edu/~detchar/summary/day/20181004/detchar/overflows/>
- Python code to make these plots: CIT:
~lundgren/aDQ/PreO3/FastLocklosses/H1locklosses_20181010.ipynb

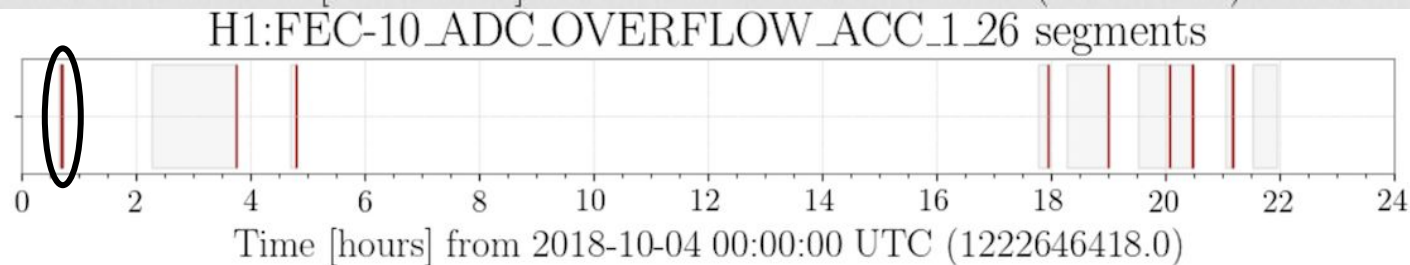


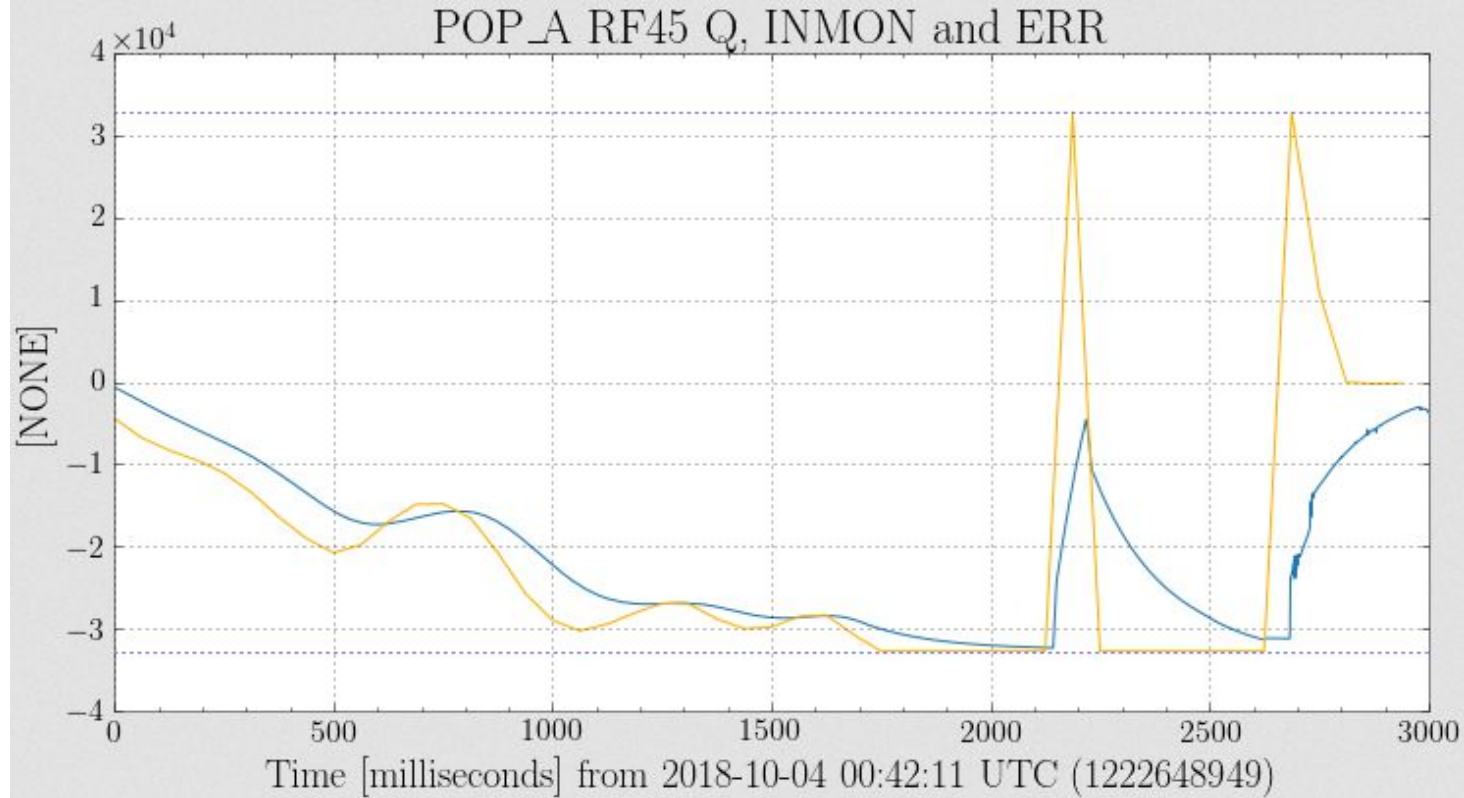
In lock



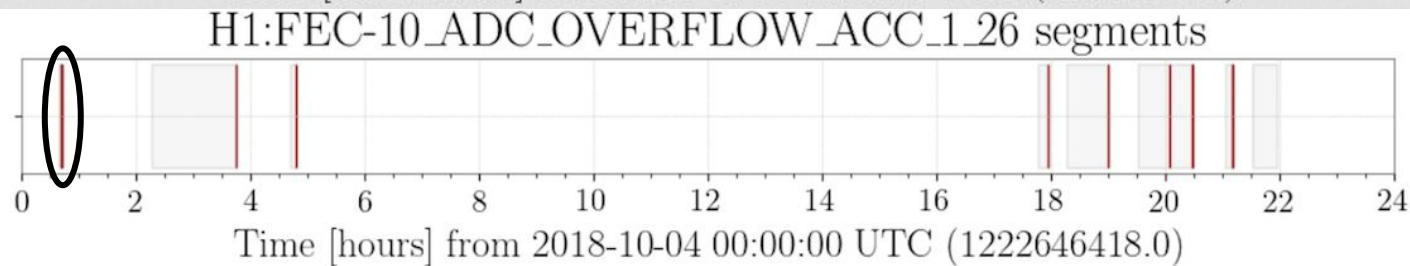


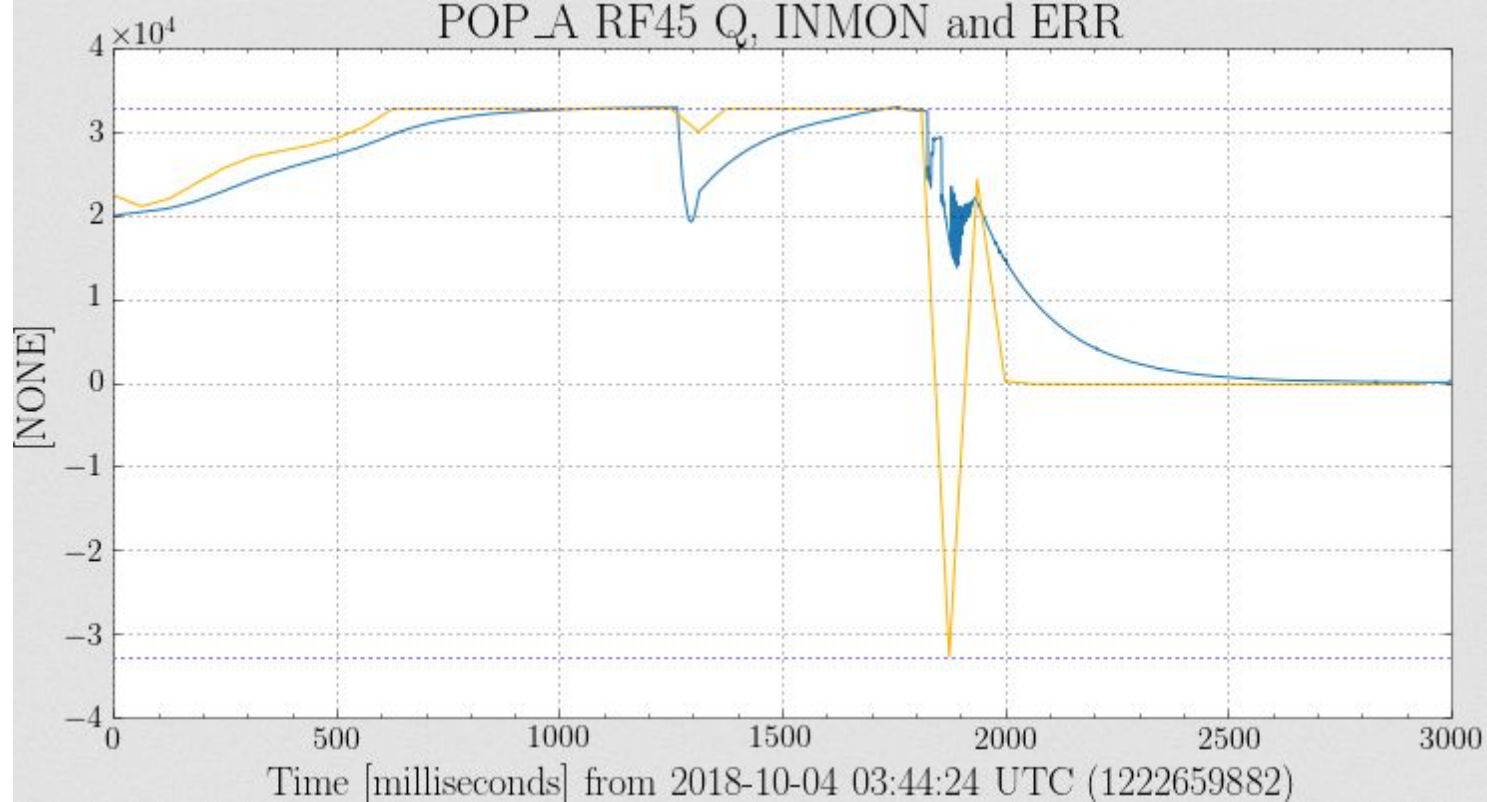
In lock





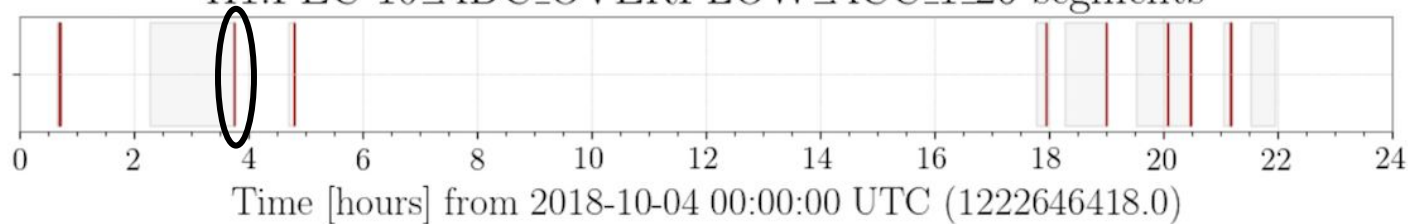
Lockloss 1

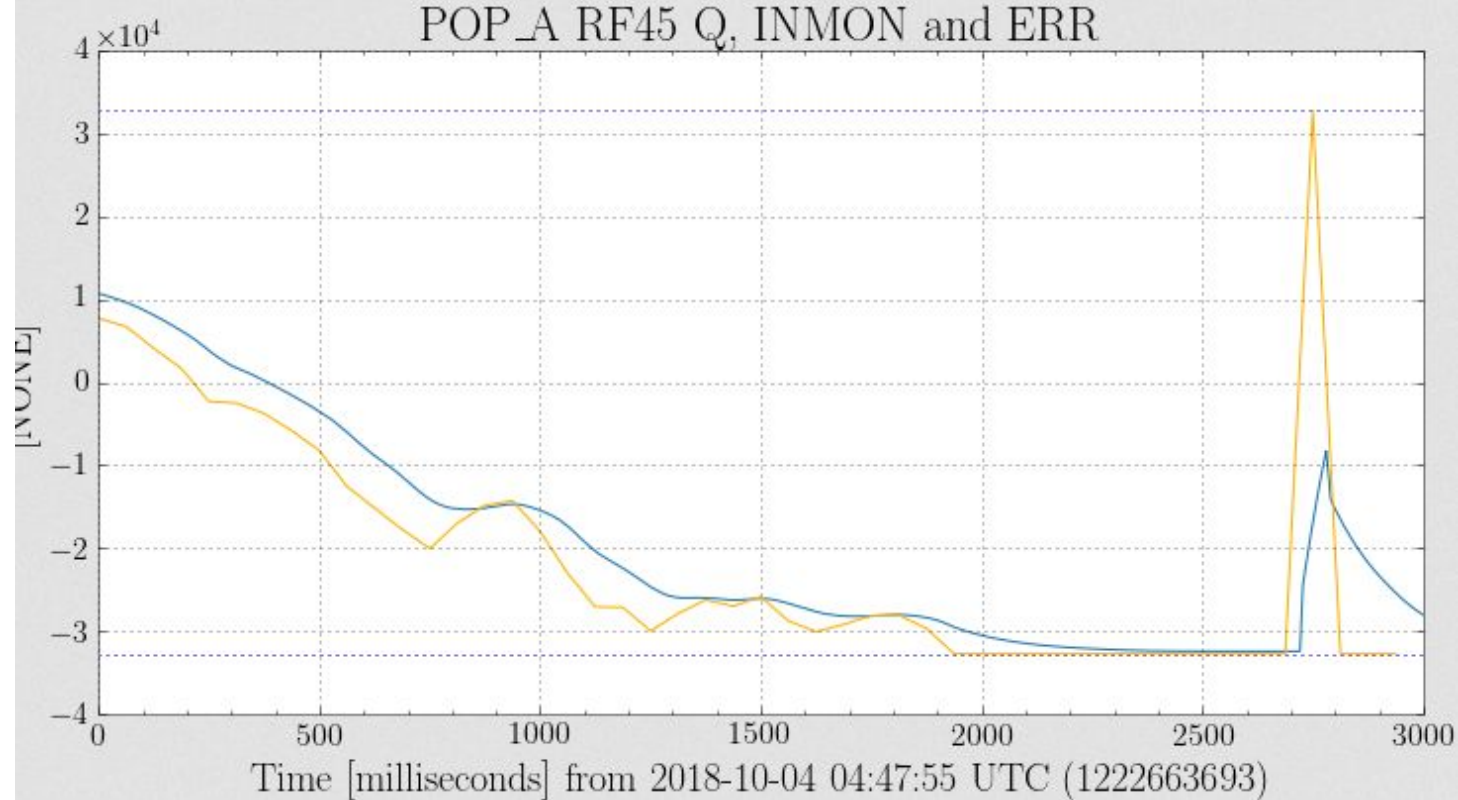




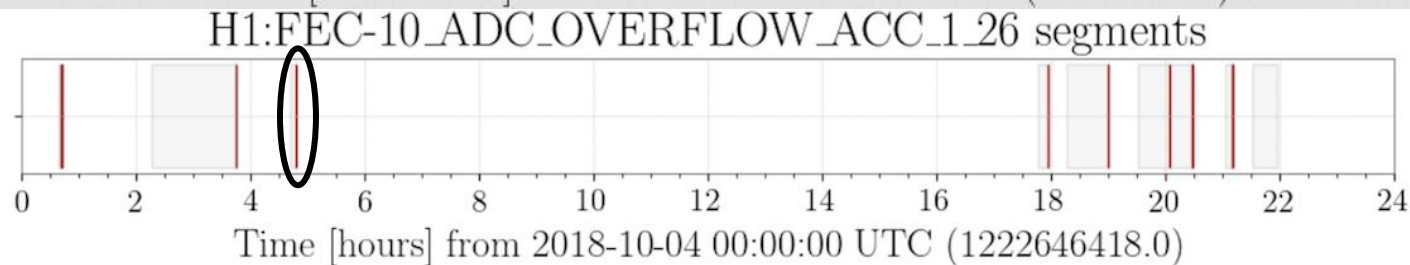
Lockloss 2

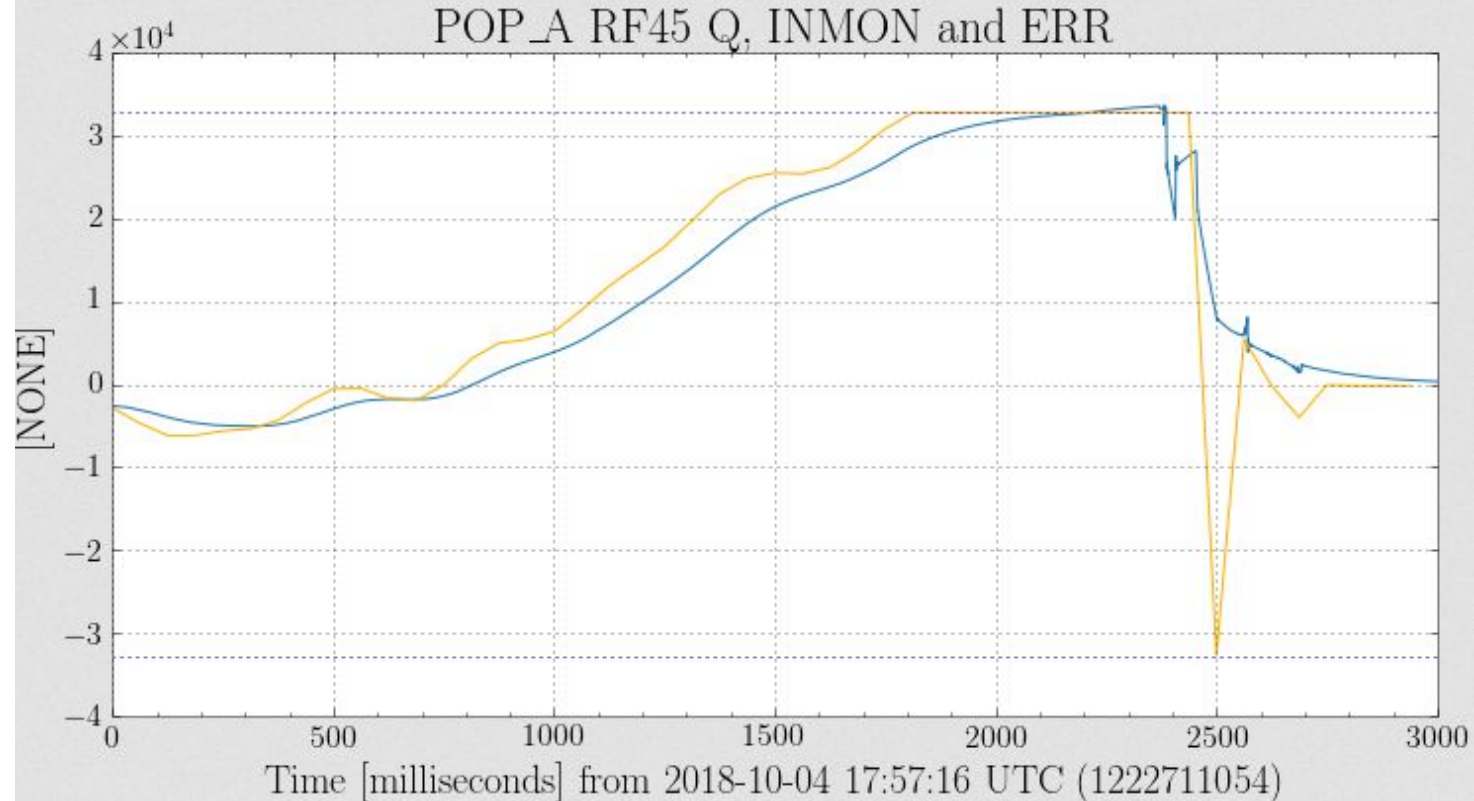
H1:FEC-10_ADC_OVERFLOW_ACC_1_26 segments



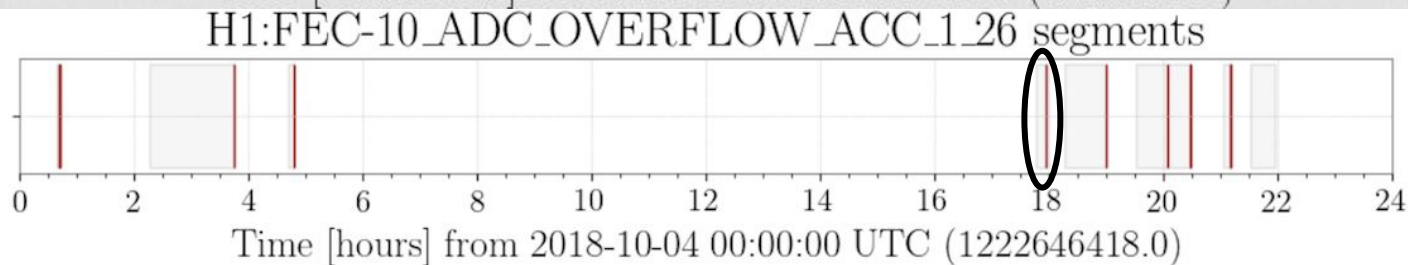


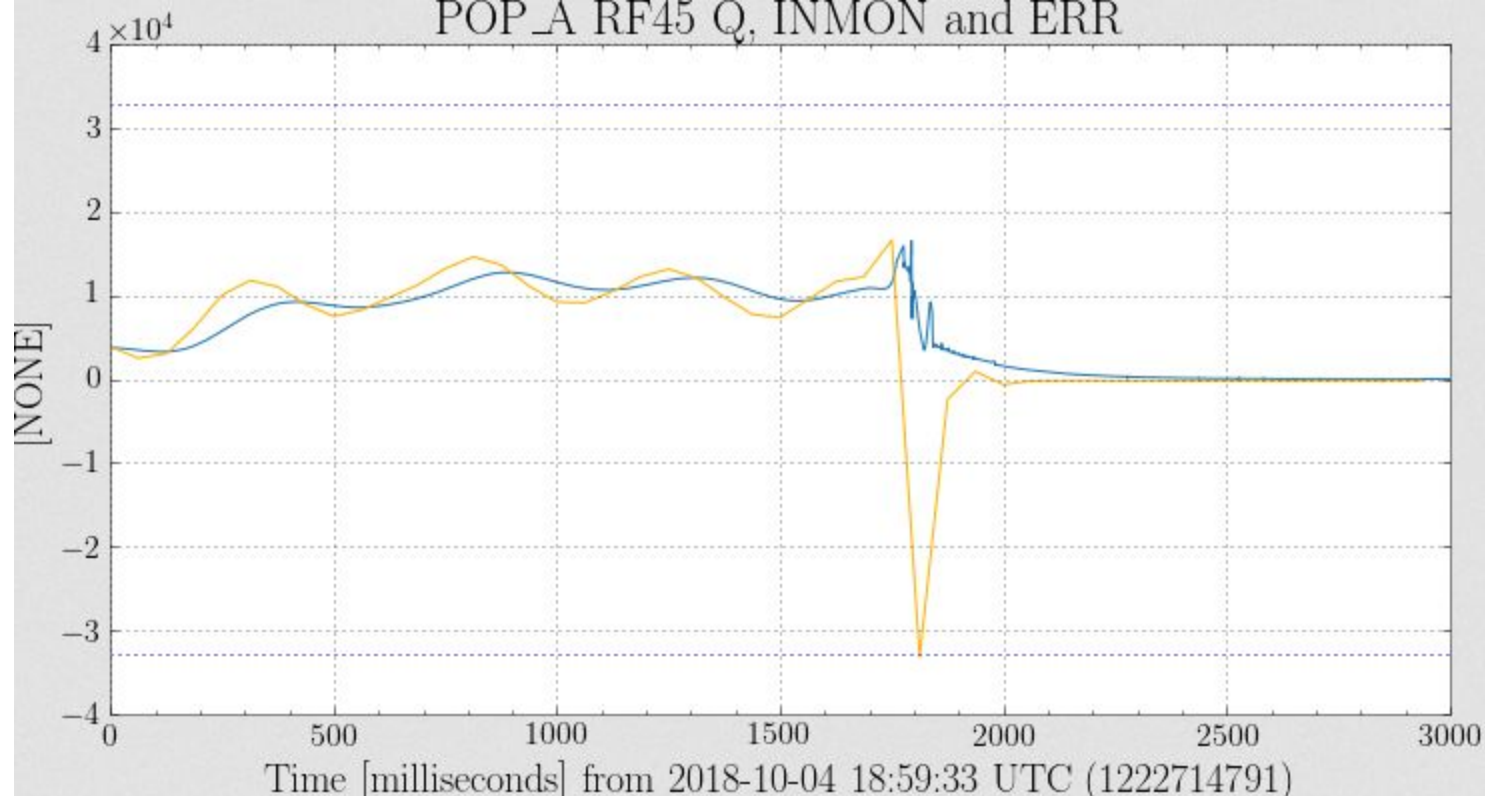
Lockloss 3





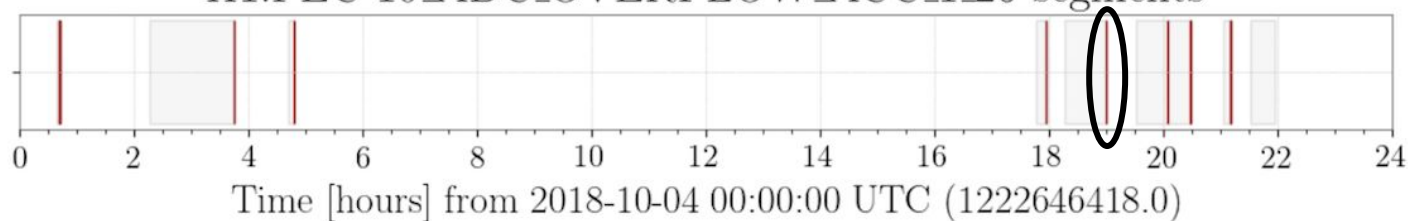
Lockloss 4

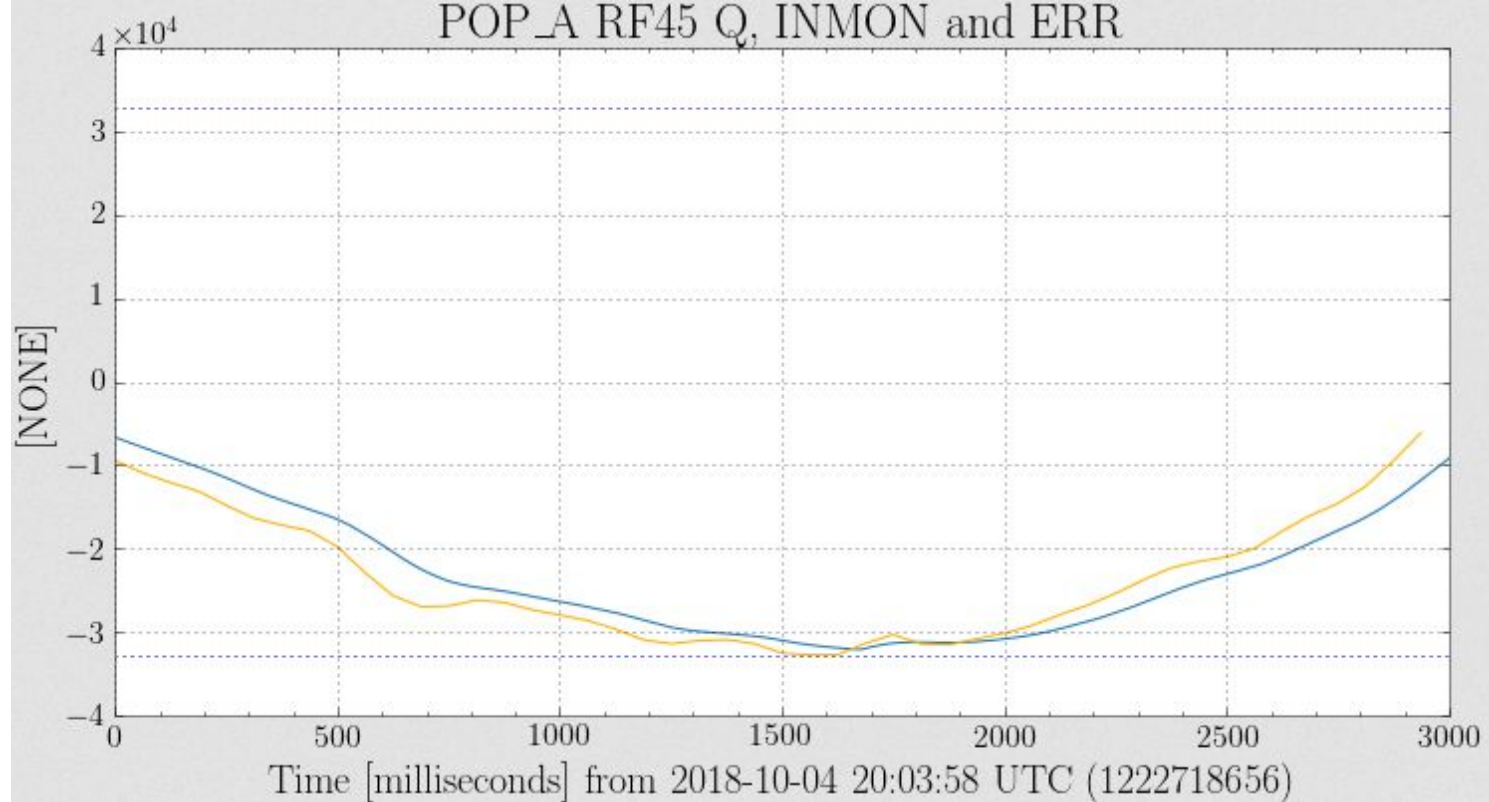




Lockloss 5

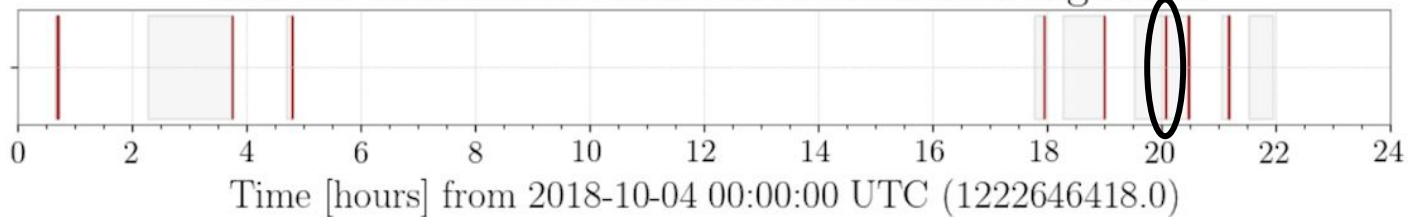
H1:FEC-10_ADC_OVERFLOW_ACC_1_26 segments

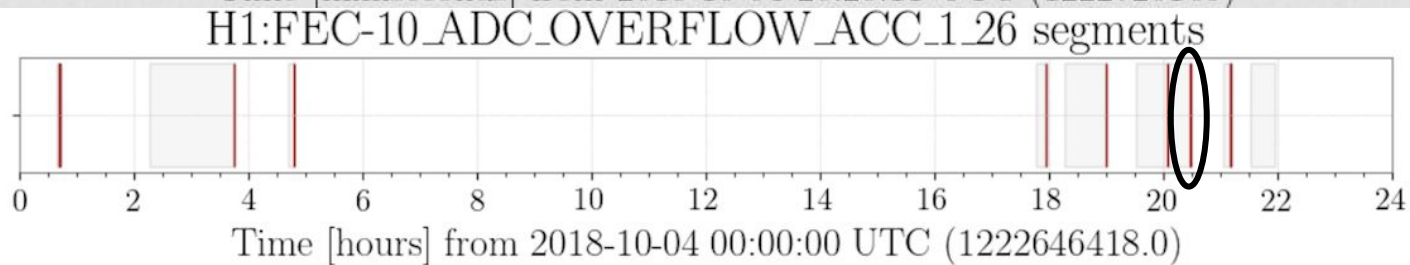
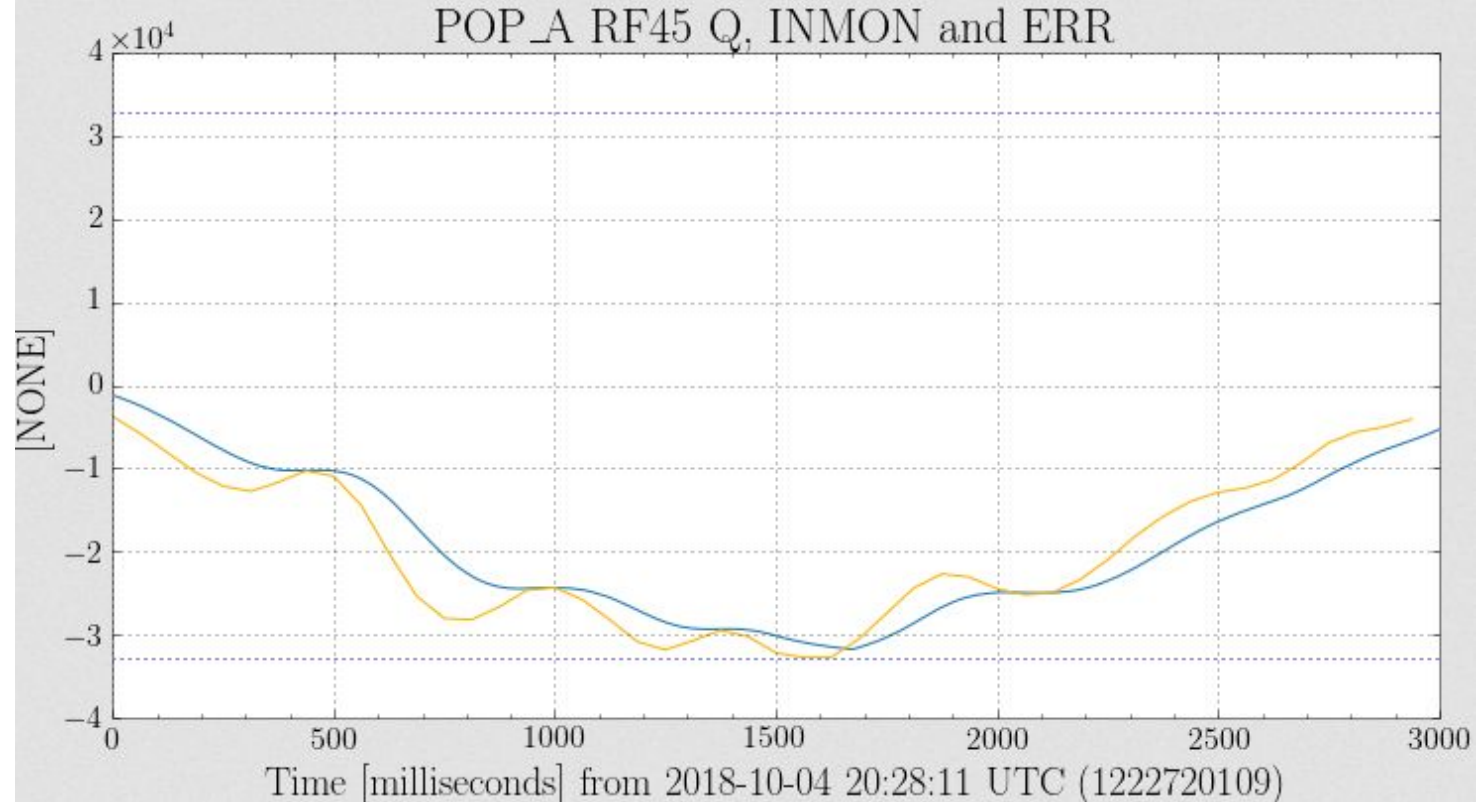


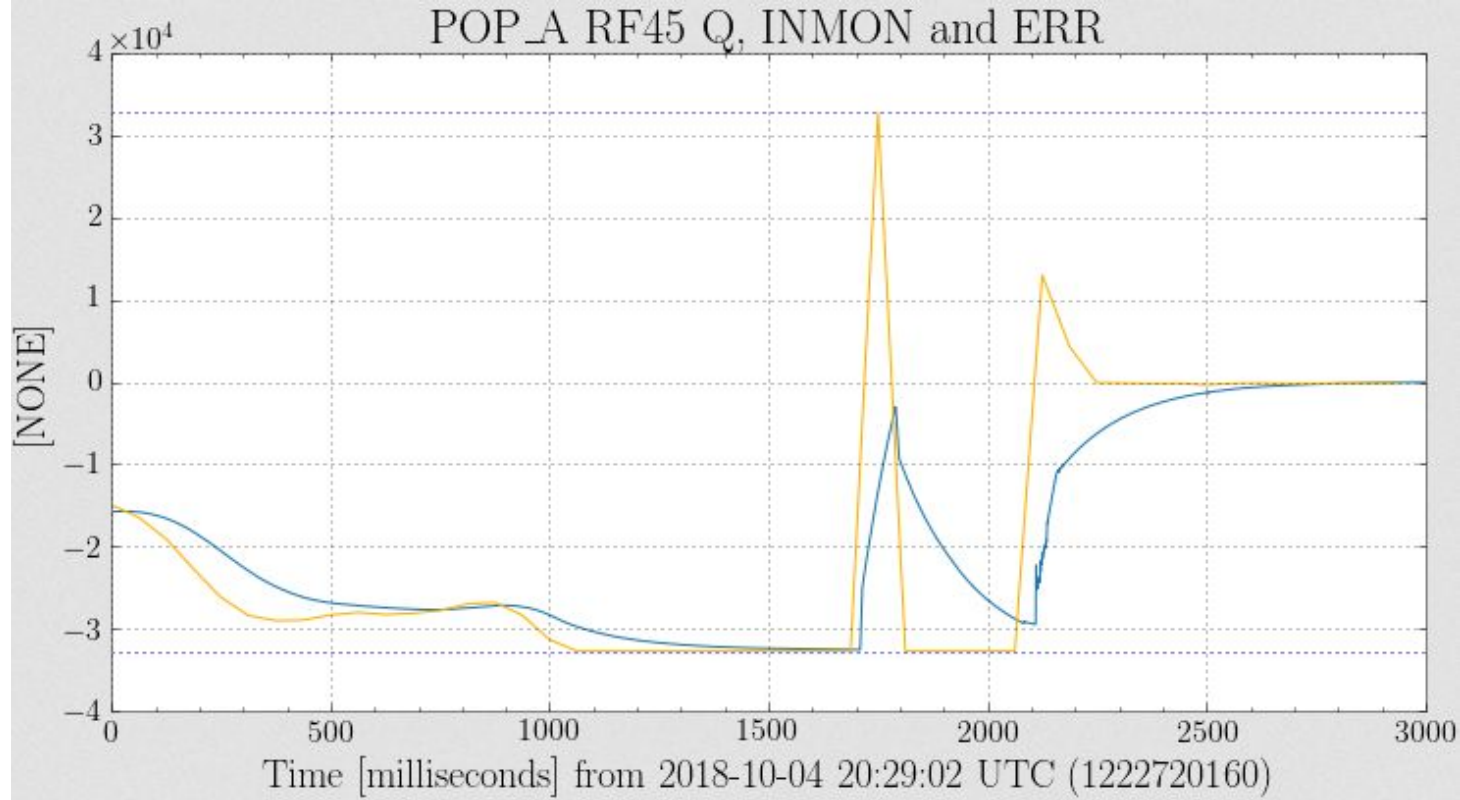


In lock

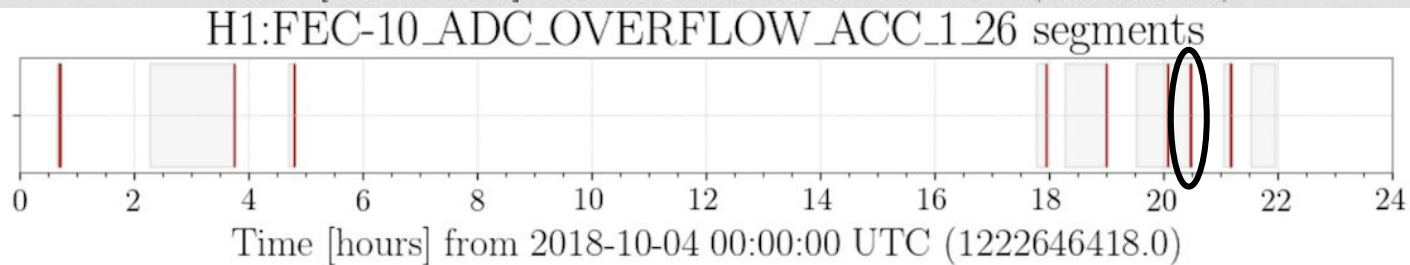
H1:FEC-10_ADC_OVERFLOW_ACC_1_26 segments

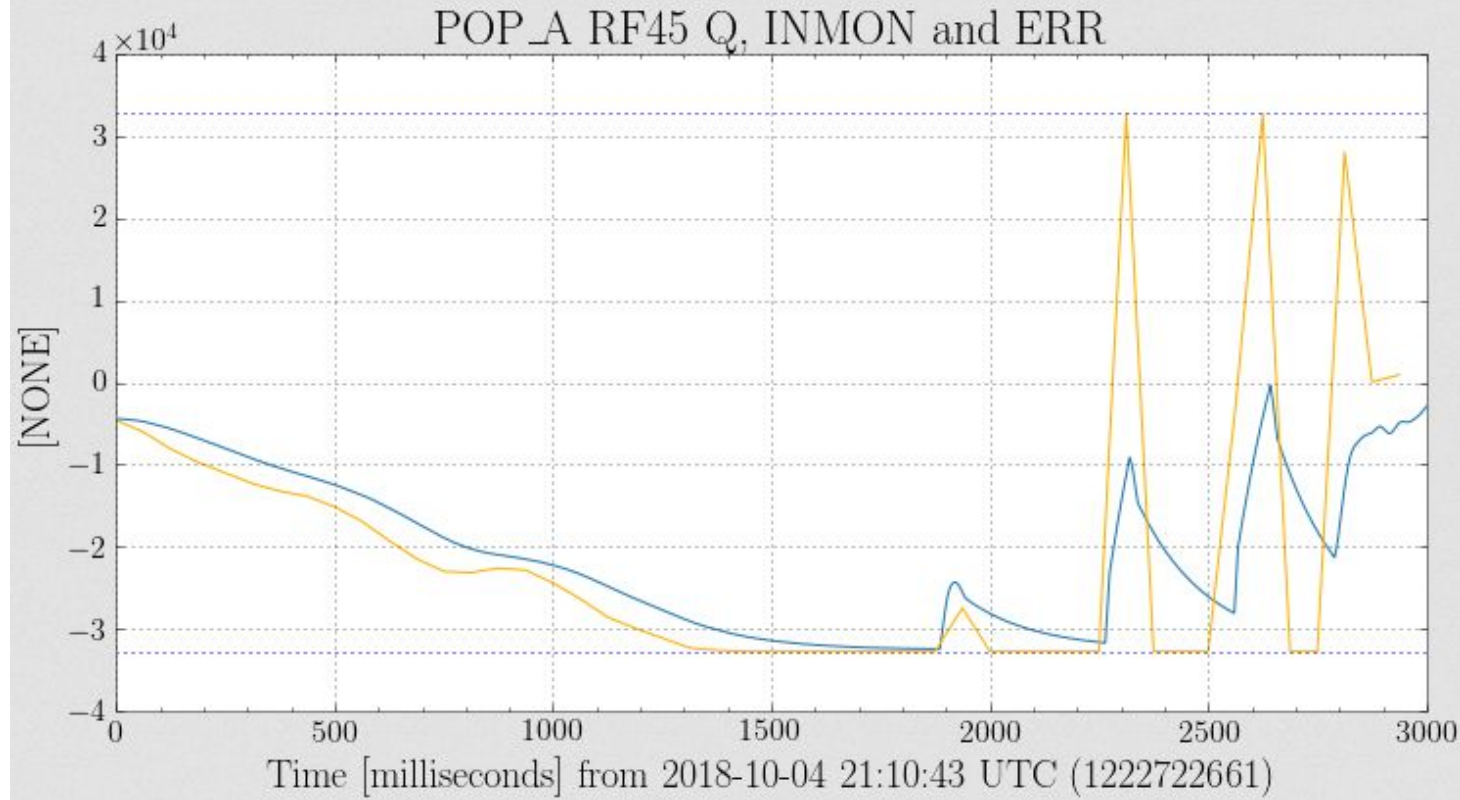




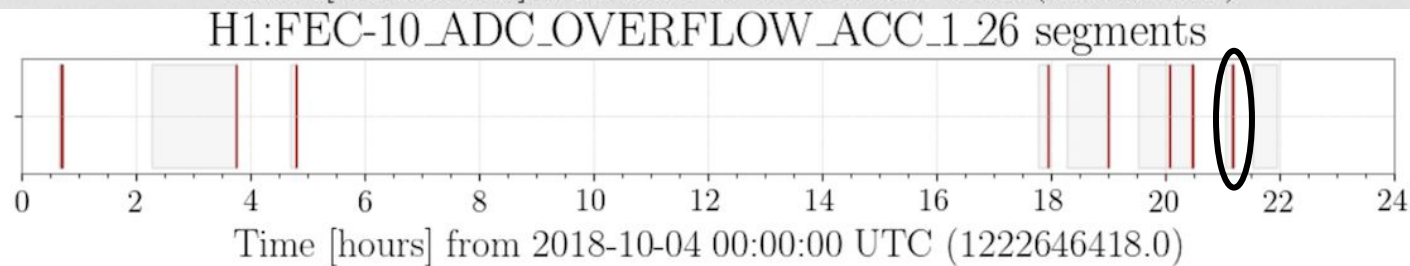


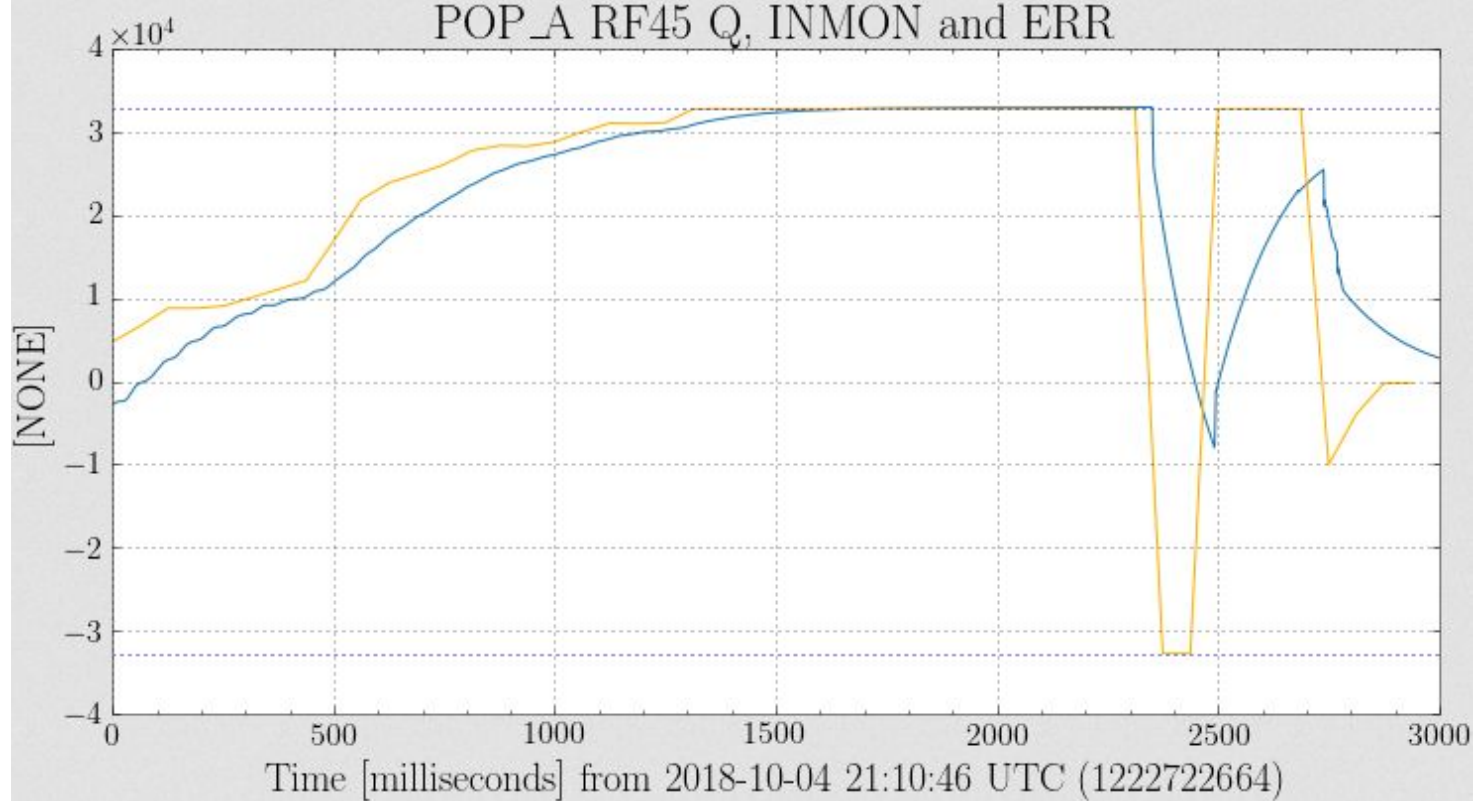
Lockloss 6





Lockloss 7





Lockloss 8

