

Virgo Logbook

(Apr.8 - Apr.21, 2015)

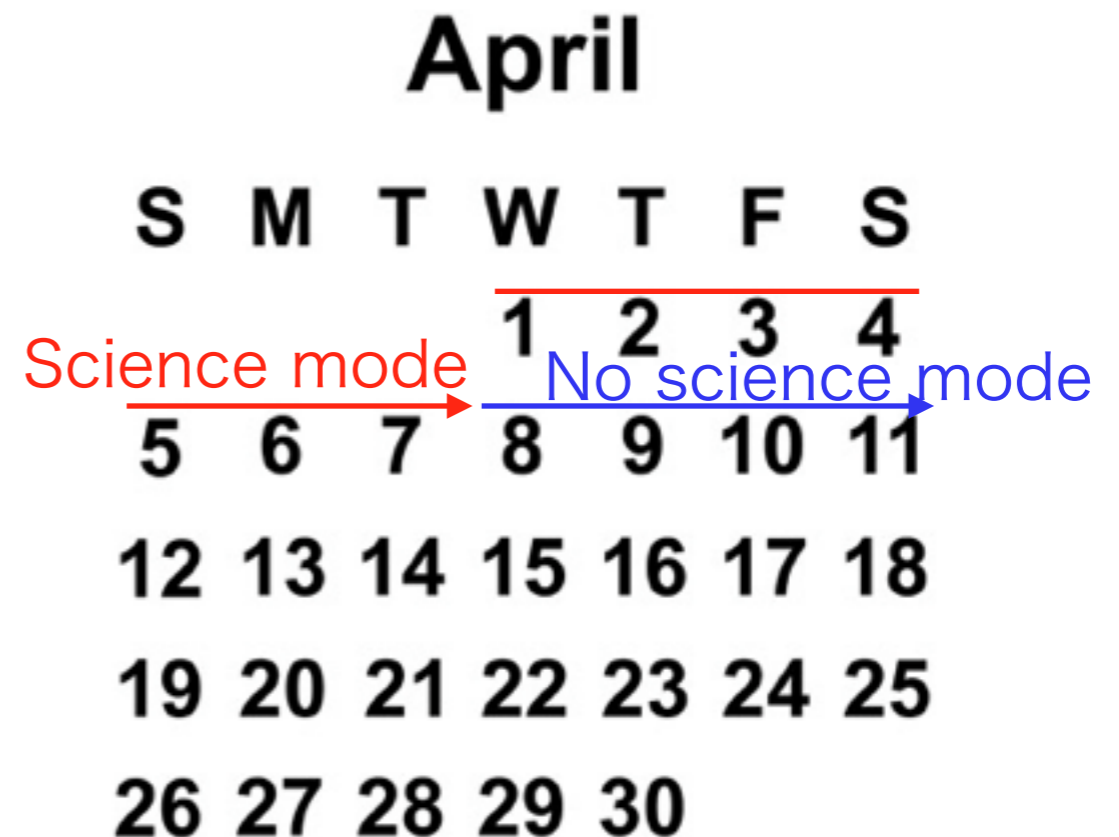
April, 21th, 2015
Detchar Meeting
Akinobu Miyamoto

- **Detchar glitch shift report: 03 Apr → 10 Apr. (Glitches)**

verkindt - 12:03, Friday 10 April 2015 (32288)

- **Detchar glitch shift report: 7-10 Apr. (Spectral lines)**

Valentini - 15:39, Friday 10 April 2015 (32285)



Detchar glitch shift report: 03 Apr → 10 Apr. (Glitches)

Apr. 8 work: Reduce the scattered light noise injection on IMC END QD

-> To be watched in the next shifts

focus on : V1:INJ_RFC_REFL_I and V1:PSTAB_PD2_AC,
but also some other less noisy channels



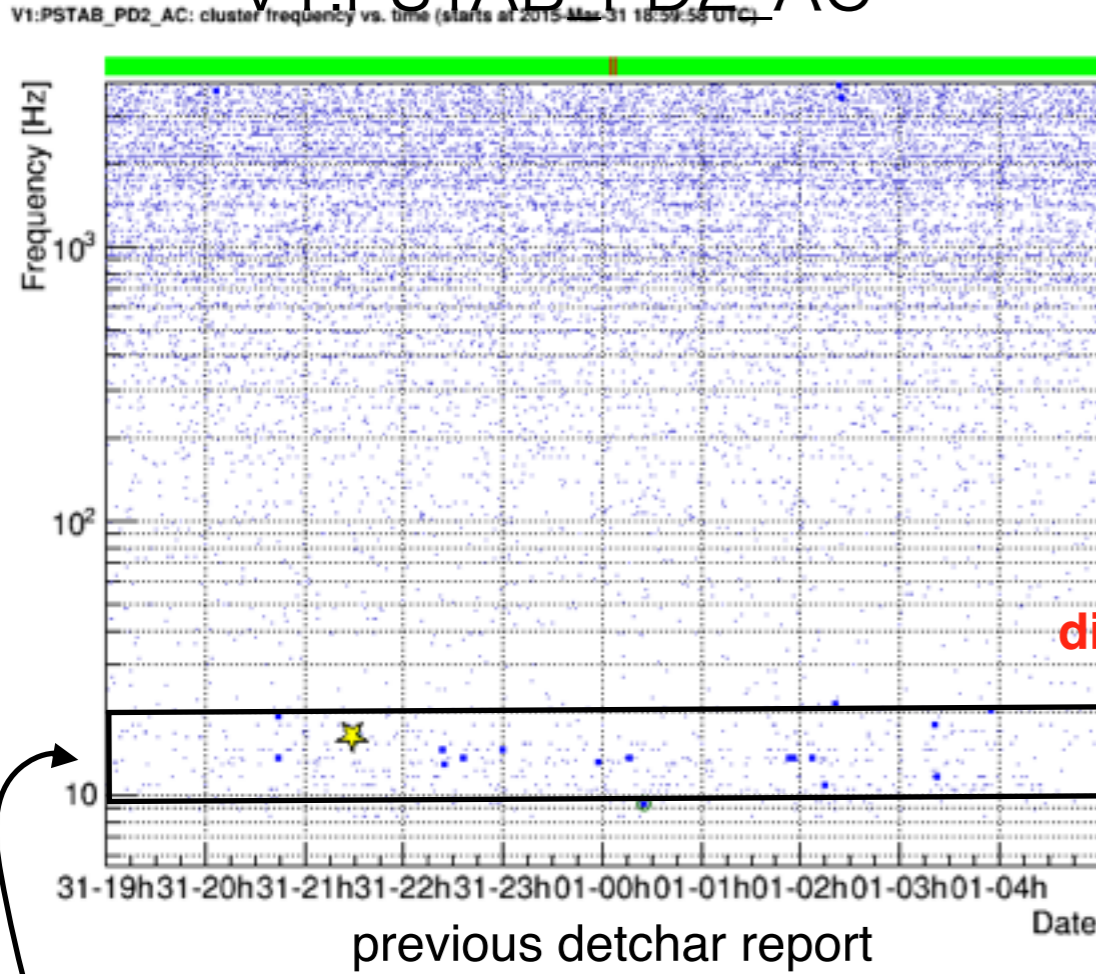
INJ_ML_PZT_CORR : Apr 7 11h-13h UTC

ENV_MCB_MAG_W : Apr 8 15h-18h UTC

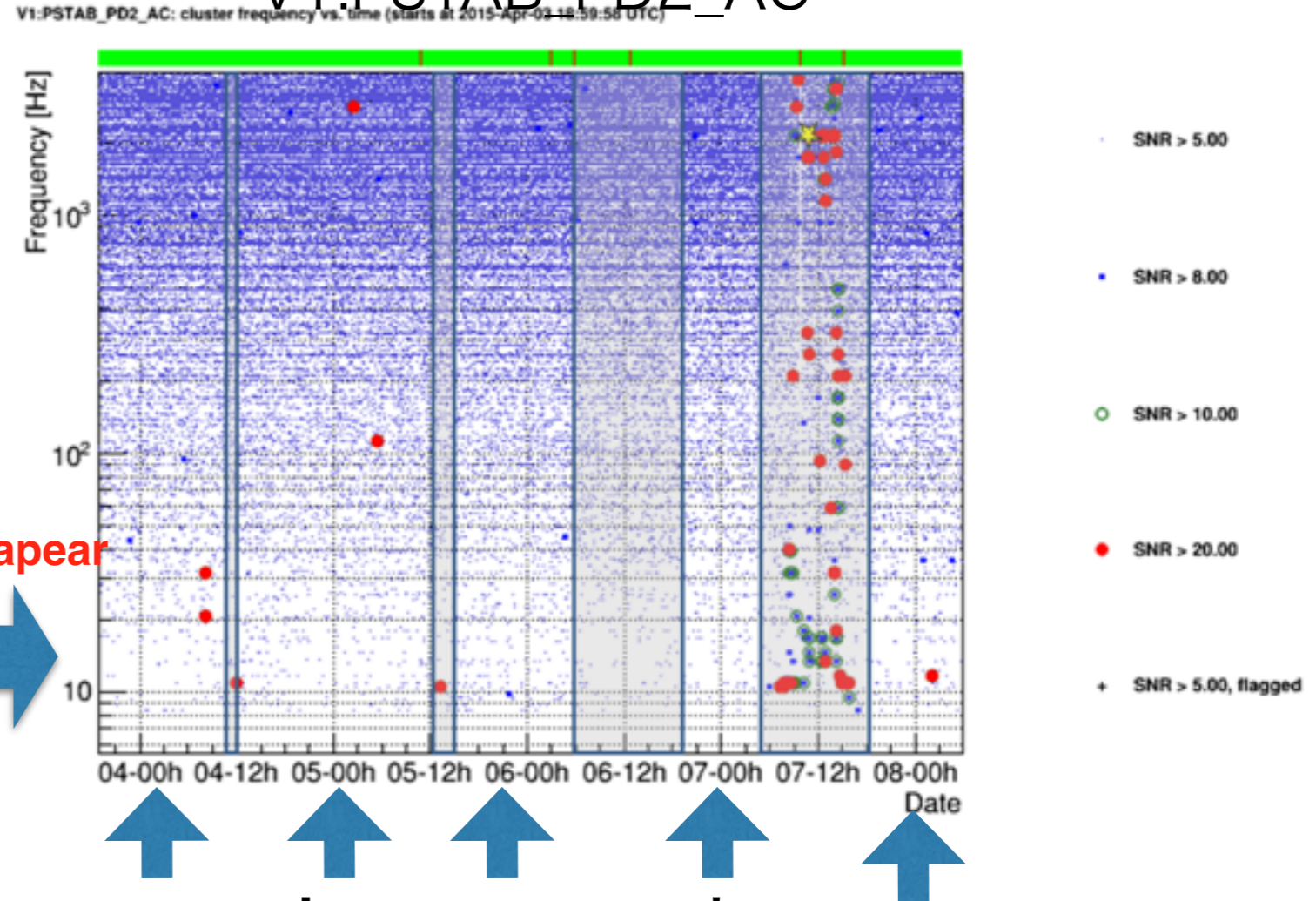
Apr 3 12h-23h UTC

V1:PSTAB_PD2_AC

V1:PSTAB_PD2_AC



V1:PSTAB_PD2_AC



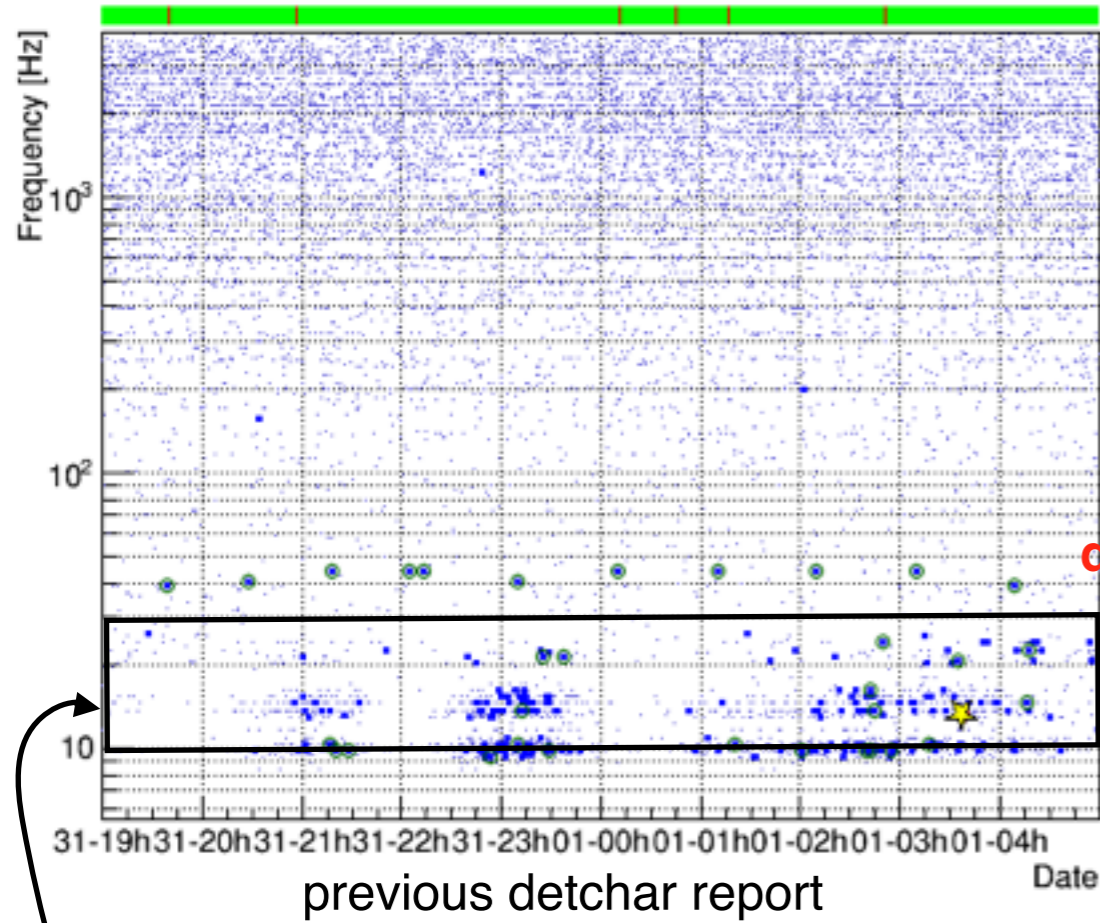
science mode

10 ~ 20 Hz glitches, **associated to scattered light in the IMC** in the previous detchar report

V1:INJ RFC REFL_I

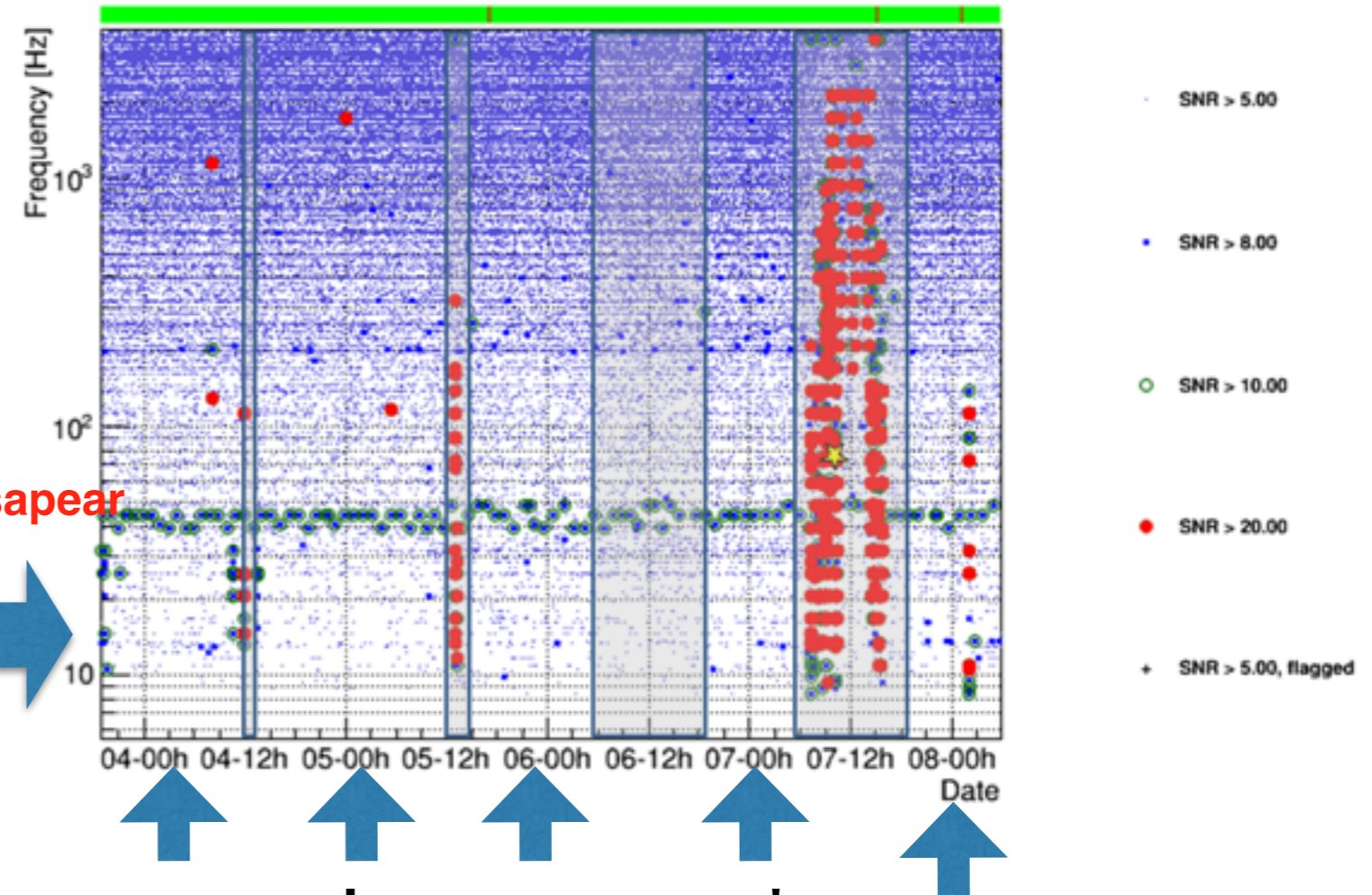
V1:INJ RFC REFL_I

V1:INJ RFC REFL_I: cluster frequency vs. time (starts at 2015-Mar-31 18:59:58 UTC)



V1:INJ RFC REFL_I

V1:INJ RFC REFL_I: cluster frequency vs. time (starts at 2015-Apr-03 18:59:58 UTC)



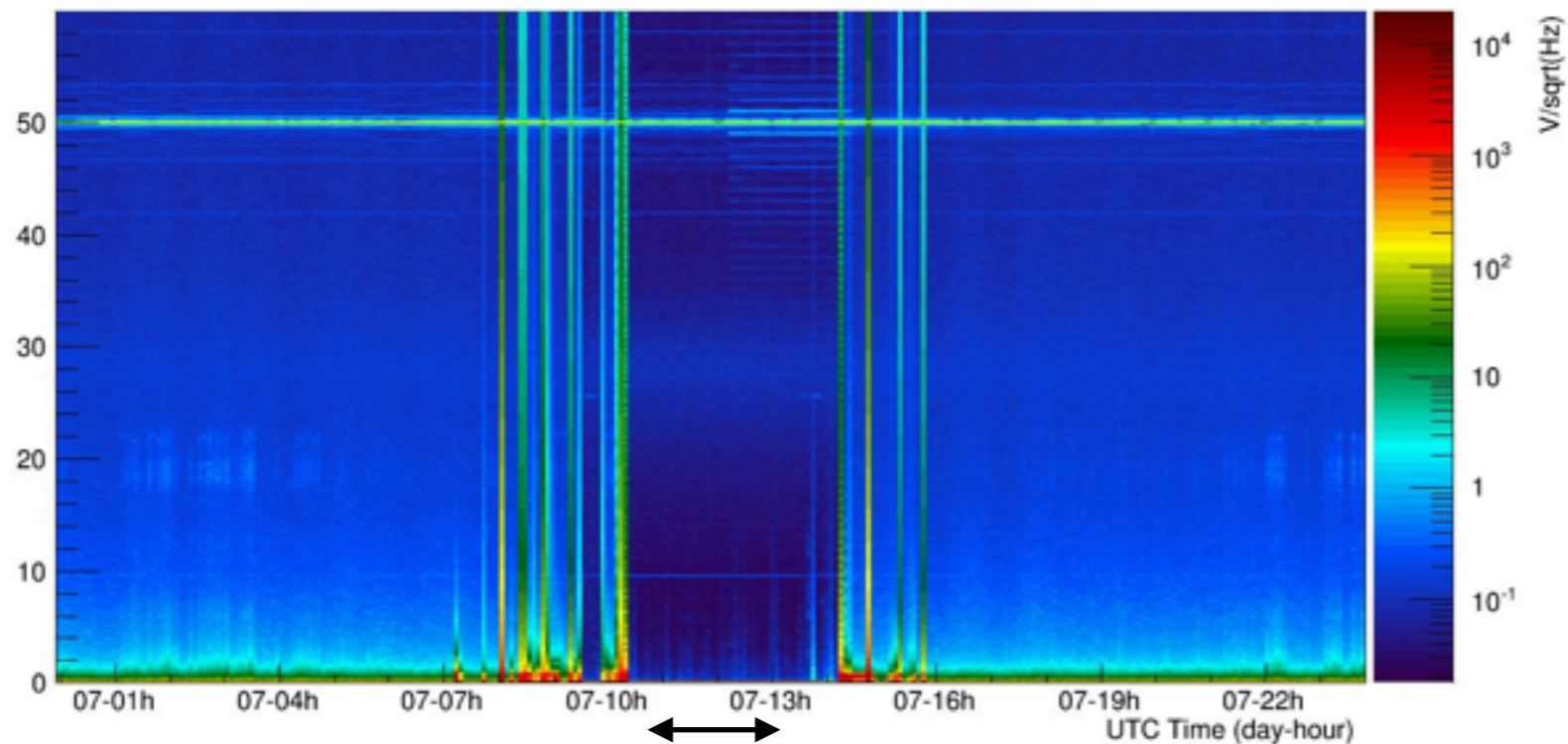
disappear



10 ~ 30 Hz glitches, associated to scattered light in the IMC in the previous detchar report

INJ_ML_PZT_CORR

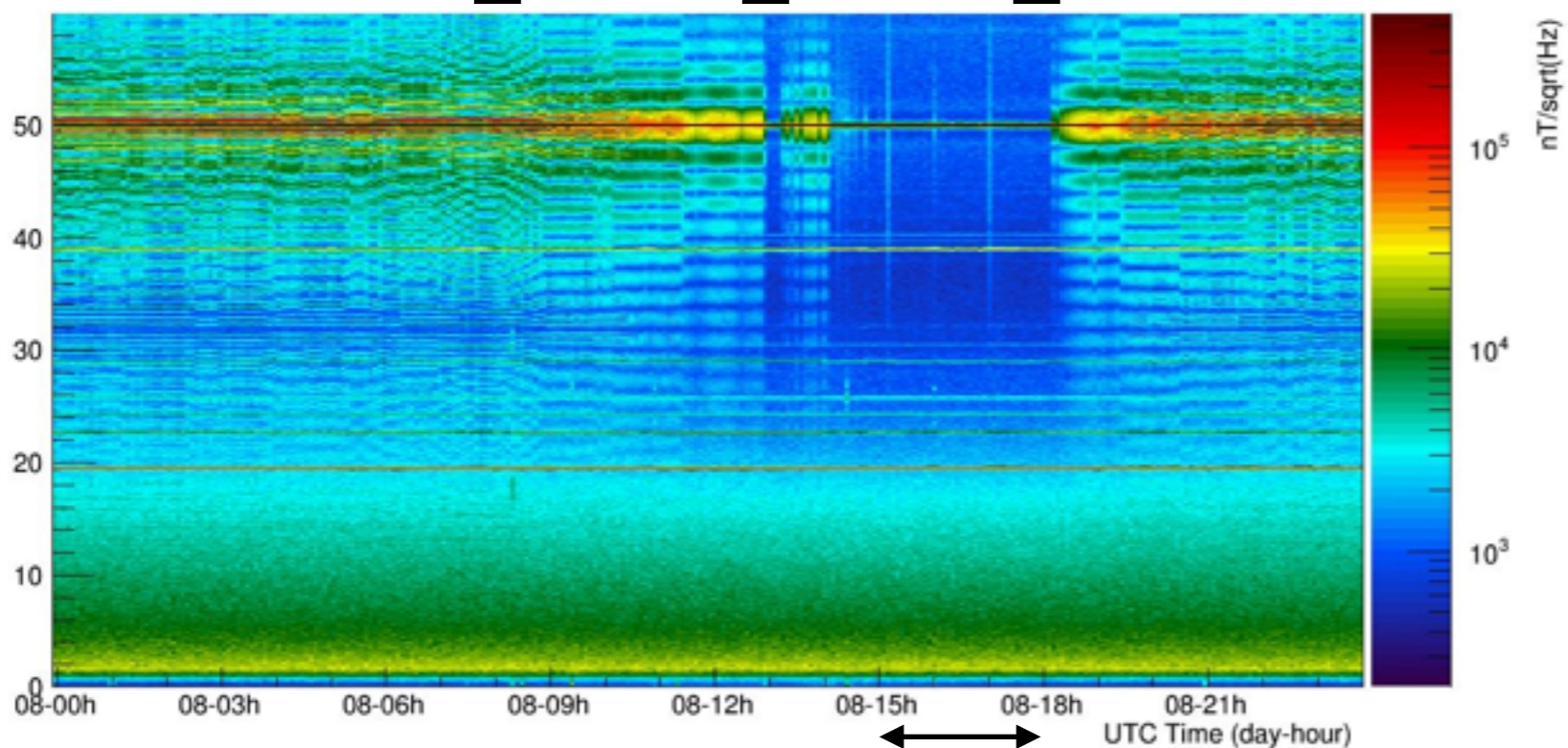
Spectrogram of V1: spectro_INJ_ML_PZT_CORR_300_100_0_0 : start=1112359976.000000 (Mon Apr 13 20:59:20 2015 UTC)



Both the time in condition magnetometer is less noisy

ENV_MCB_MAG_W

Spectrogram of V1: spectro_ENV_MCB_MAG_W_300_100_0_0 : start=1124462500.000000 (Tue Apr 14 09:56:29 2015 UTC)



Comment (by swinkels)
likely caused by
the electric heater
of the MC building