Driven glitches in DARM only when R0 drive off

Natural glitches in DARM only when R0 drive off

R0 drive status

ISI injetion status

Frequency (Hz)

H1:GDS-CALIB_STRAIN 2020-01-15 22:40:00 - 1,263,163,218 (1:40:00)

R0 drive on | R0 off | R0 on | R0 off | R0 drive on | R0 drive off | R0 drive on

No injections | ETMY ISI injection, 2.5 um L2-R2 | 2X inject. 5um L2-R2 | No injections

No glitces appear when R0 drive is on, even for 5um injection

Natural-microseism scattering glitches. Only evident when R0 drive off

Amplitude spectral density (Counts / √Hz) Normalized.

0.714624
0.545548
0.476662
0.416474
0.363886
0.317938
0.277793
0.242716
0.212068
0.206420
0.200922
0.195570
0.190361
0.185291

0:00 — 1,263,163,218
16:35 — 1,263,164,213
33:11 — 1,263,165,208
49:46 — 1,263,166,203
1:06:21 — 1,263,167,199
1:22:56 — 1,263,168,194
1:39:32 — 1,263,169,189

For help in evaluation, thick black lines cover non-scattering glitches (that reach at least 200 Hz)

Fs=16,384Hz, sec/fft = 30.00, overlap = 0.95, fft length=491,520, #-FFT = 3981, bw = 0.03, in samples = 98,304K, up = 0.92, low = 0.30