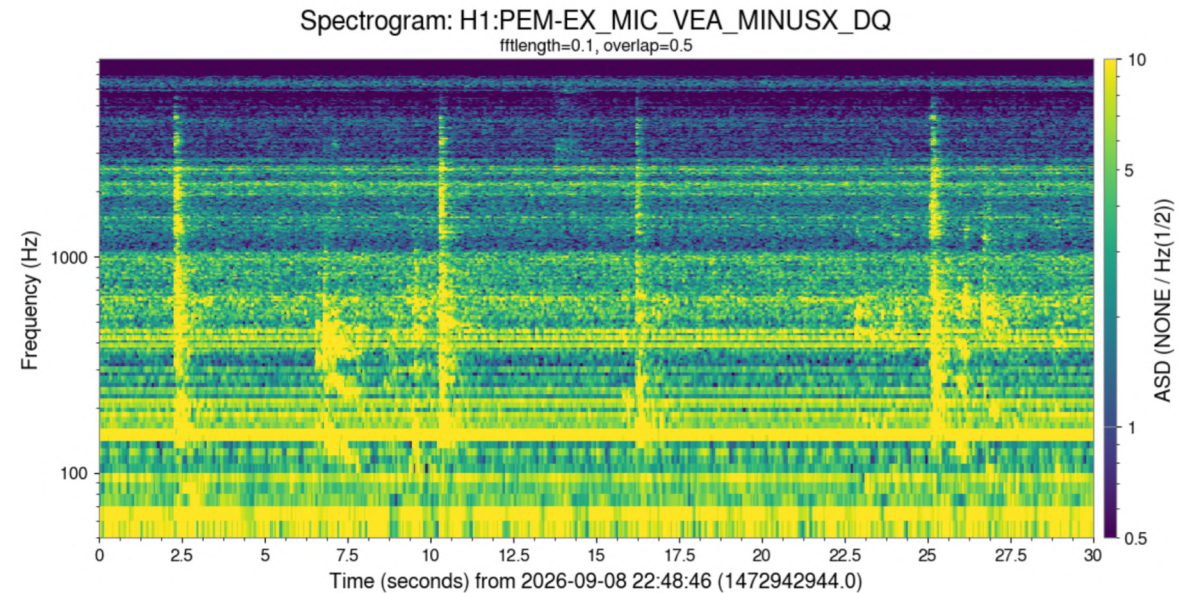
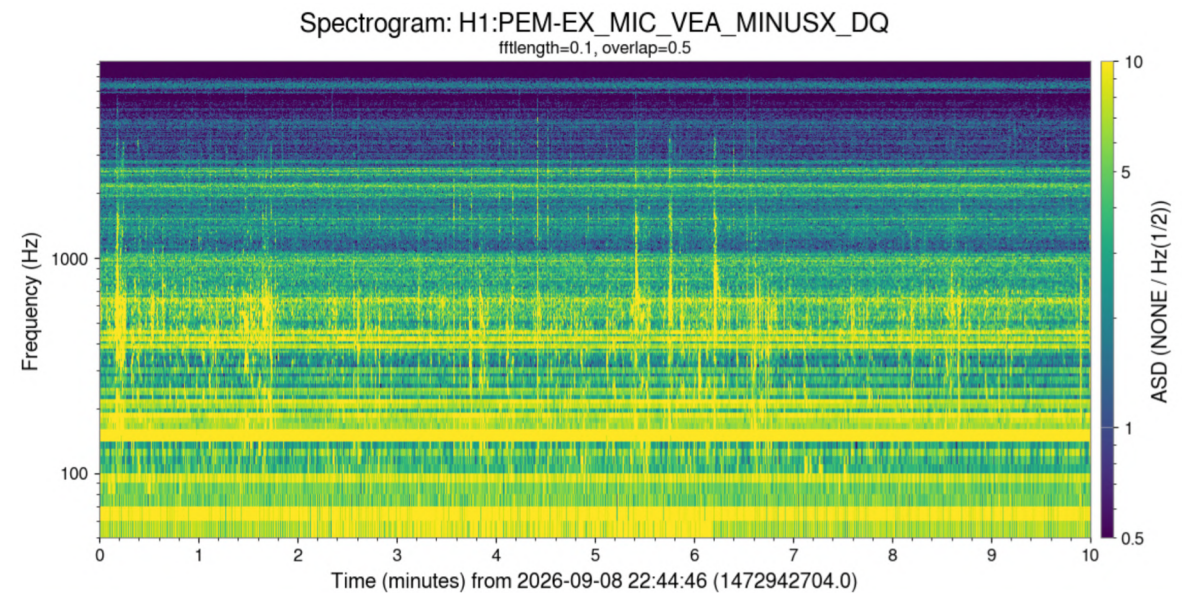


GV-20 opening on 9-08-2026

The four loud glitches in the audio recording

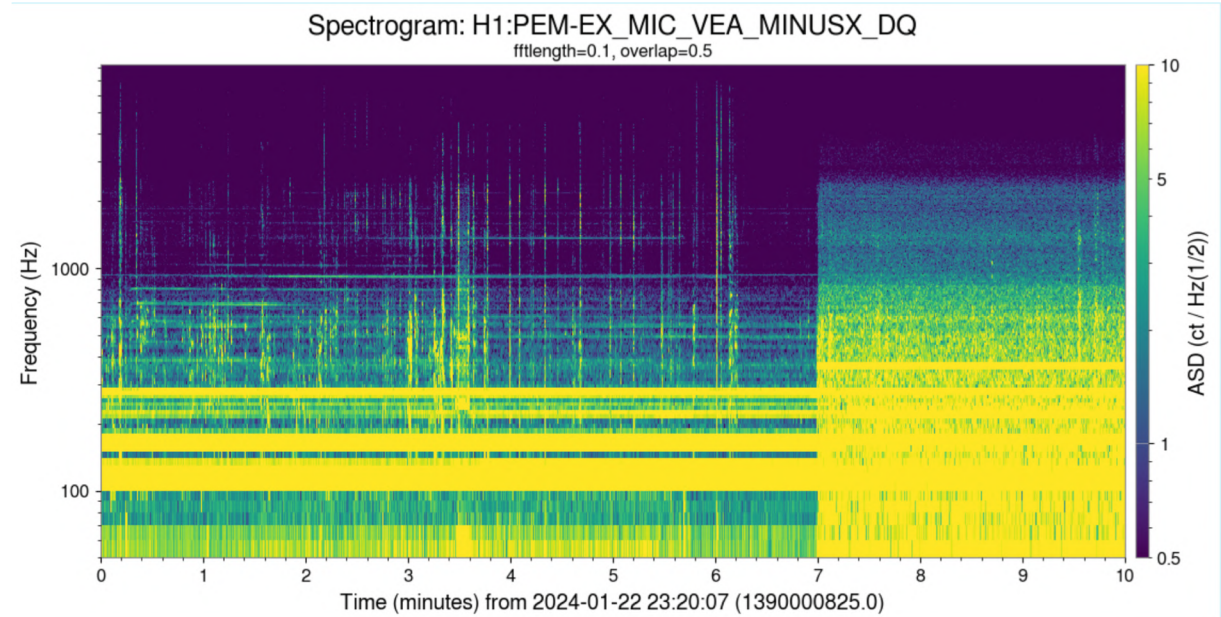


Ten minute spectrogram. The gate valve is opening from minute 1 to about minute 6.5. Compare this actuation period to the surrounding periods – there are many more of the glitches that extend up to 4+ kHz. The 30s of the spectrogram just above begins at minute 4. Events are harder to see because of the much greater time period. We especially focus on the region between 1 and 4 kHz.



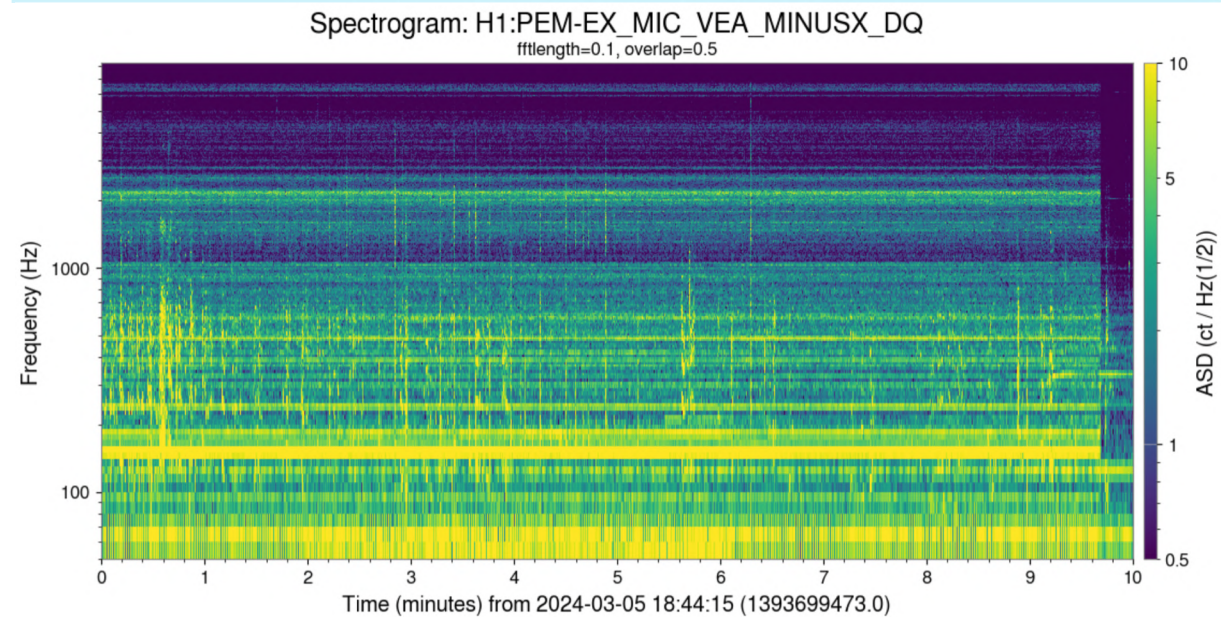
GV-20 closing 01-22-2024

The closing is roughly between minute 1 and minute 7.
The glitchiness in the 1 to 4k region is much greater during the actuation.



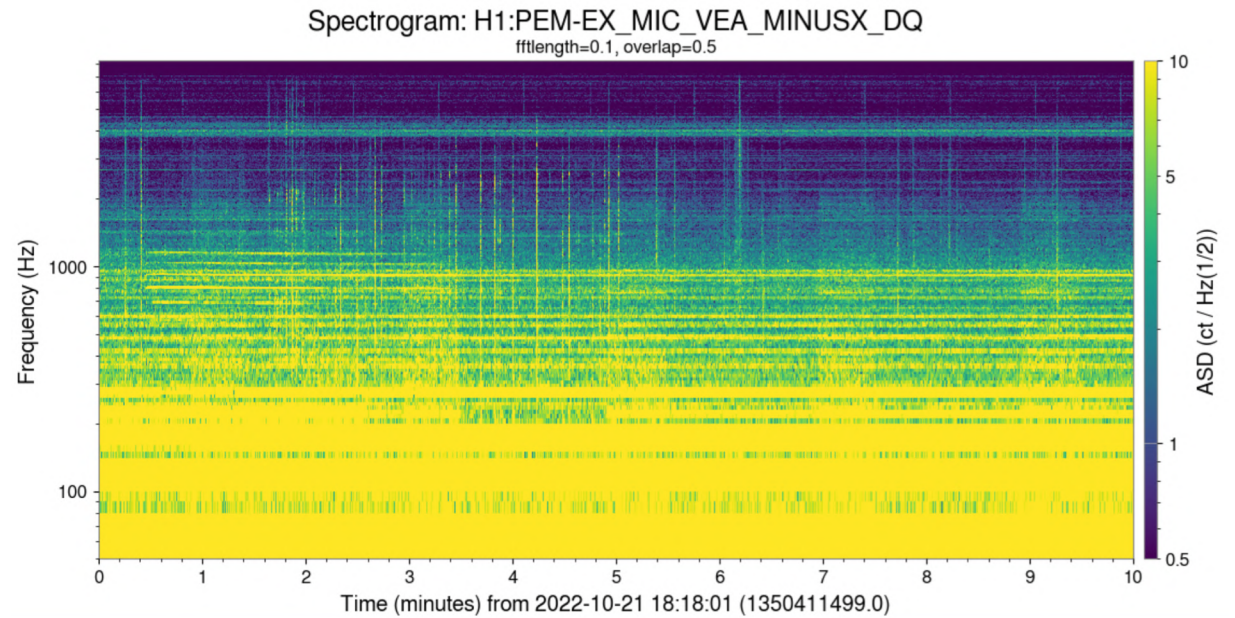
GV-20 opening 03-05-2024

The glitchiness in the 1-4k region is much greater during the opening, between about minute 1 and 7.



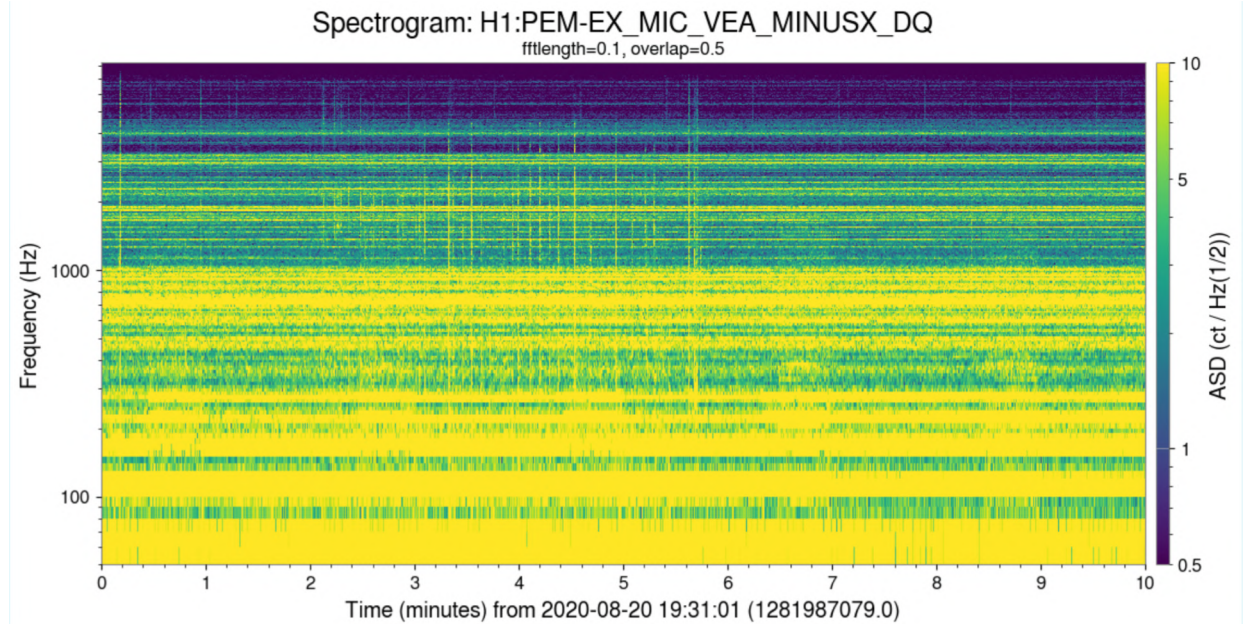
GV-20 closing 10-21-2022

1-4k glitches are much more common during actuation between minute 1 and 7.



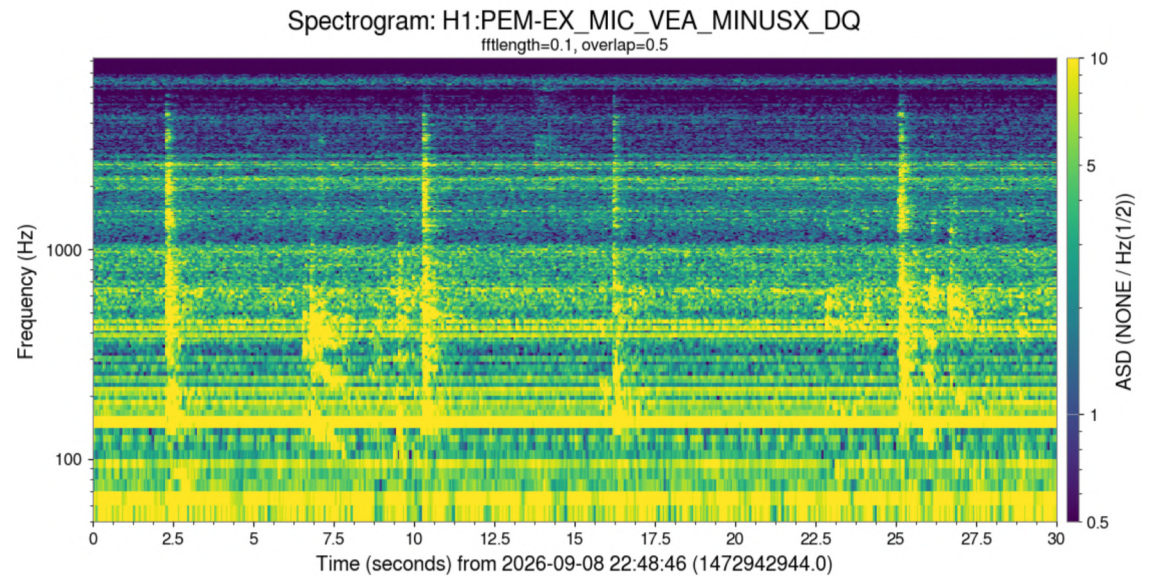
GV-20 closing 08-20-2020

1-4k glitches are much more common during actuation between minute 1 and 7.



Glitches look very similar in 2020 and 2026

GV-20 opening on 9-08-2026



GV-20 closing 08-20-2020

