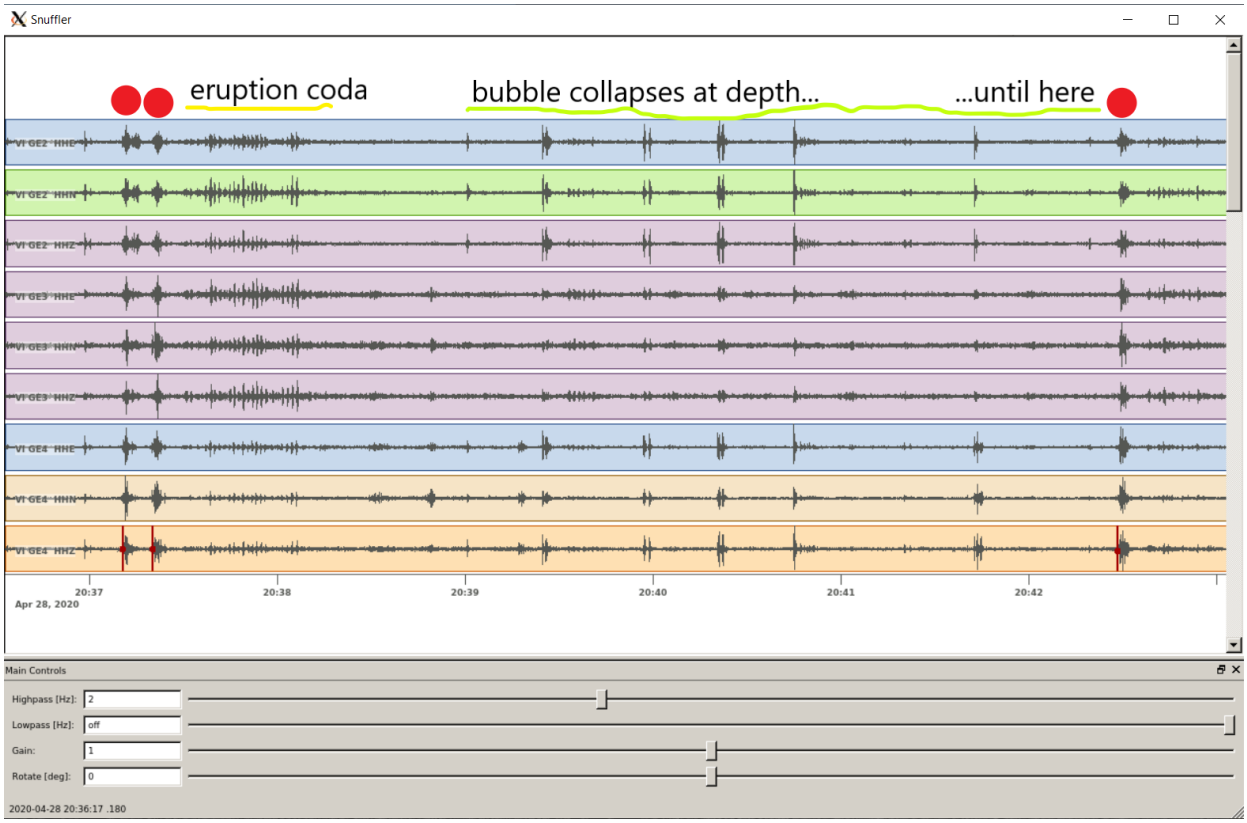
How to pick eruptions of Strokkur

- Install Pyrocko: https://pyrocko.org/
- Download seismic data: https://seismic-archive.geo.uni-potsdam.de/
- Open terminal
- Start snuffler like this: "snuffler path/to/seismic/data/"
- Set highpass filter to 2 Hz
- Zoom in as described here: https://pyrocko.org/docs/current/apps/snuffler/tutorial.html
- Right click, set visible time window length to ‘long’
- Left click three times to set a marker **shortly before** each eruption (see example below)

Double eruption with water fountains at 20:37:10 & 20:37:20, single eruption at 20:42:20



- mark all eruptions on this day (ca. 420)
- if you click once on 1 marker you can move it forward/ backwards with the right/left arrow, delete marker with backspace but be sure that not all markers are selected. :)
- export markers: right click, click "save marker file", select filename of the file you want to save to

  Another Snuffler Manual: https://pyrocko.org/docs/current/apps/snuffler/manual.html

Checklist to help you decide whether it is really a geyser eruption (red dots above):

- Is the seismic amplitude increased for a few seconds?
- Is the increase longer and stronger than the bubble collapse peaks that follow?
- Is it followed by an eruption coda?
- Is the spacing to the first bubble collapse more than 40s?
- The amplitude of the bubble collapses decreases with time. => Is the last peak before the eruption small in amplitude?
- Is the peak visible on all seismic stations esp. at G1 (which is furthest from the geyser)?
- Is it still visible if you set the highpass filter to 17 Hz?