

Beispieldaten

Fahrbahnlabor

Auftraggeber: Schweizerische Eidgenossenschaft;
Bundesämter für Umwelt (BAFU) und
Verkehr (BAV), CH-3003 Bern.
Das BAFU und das BAV sind Ämter des
Eidg. Departements für Umwelt,
Verkehr, Energie und Kommunikation
(UVEK)

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Hinweis: Dieser Bericht wurde im Auftrag der
Bundesämter für Umwelt (BAFU) und
Verkehr (BAV) verfasst. Für den Inhalt
ist alleine der Auftragnehmer
verantwortlich.

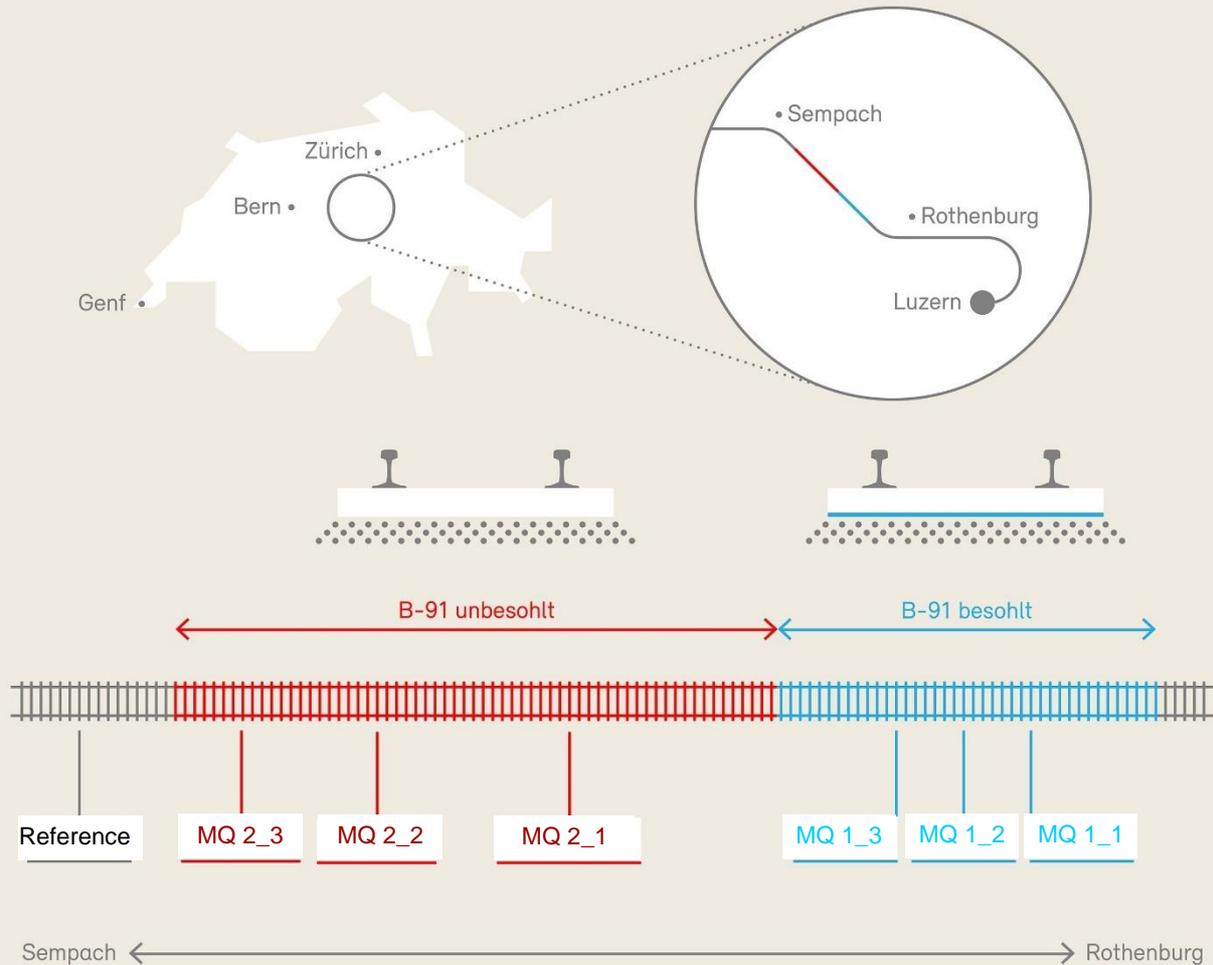
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1. Das Fahrbahnlabor: Lage und Messquerschnitte

Darstellung der Messstrecke im Überblick

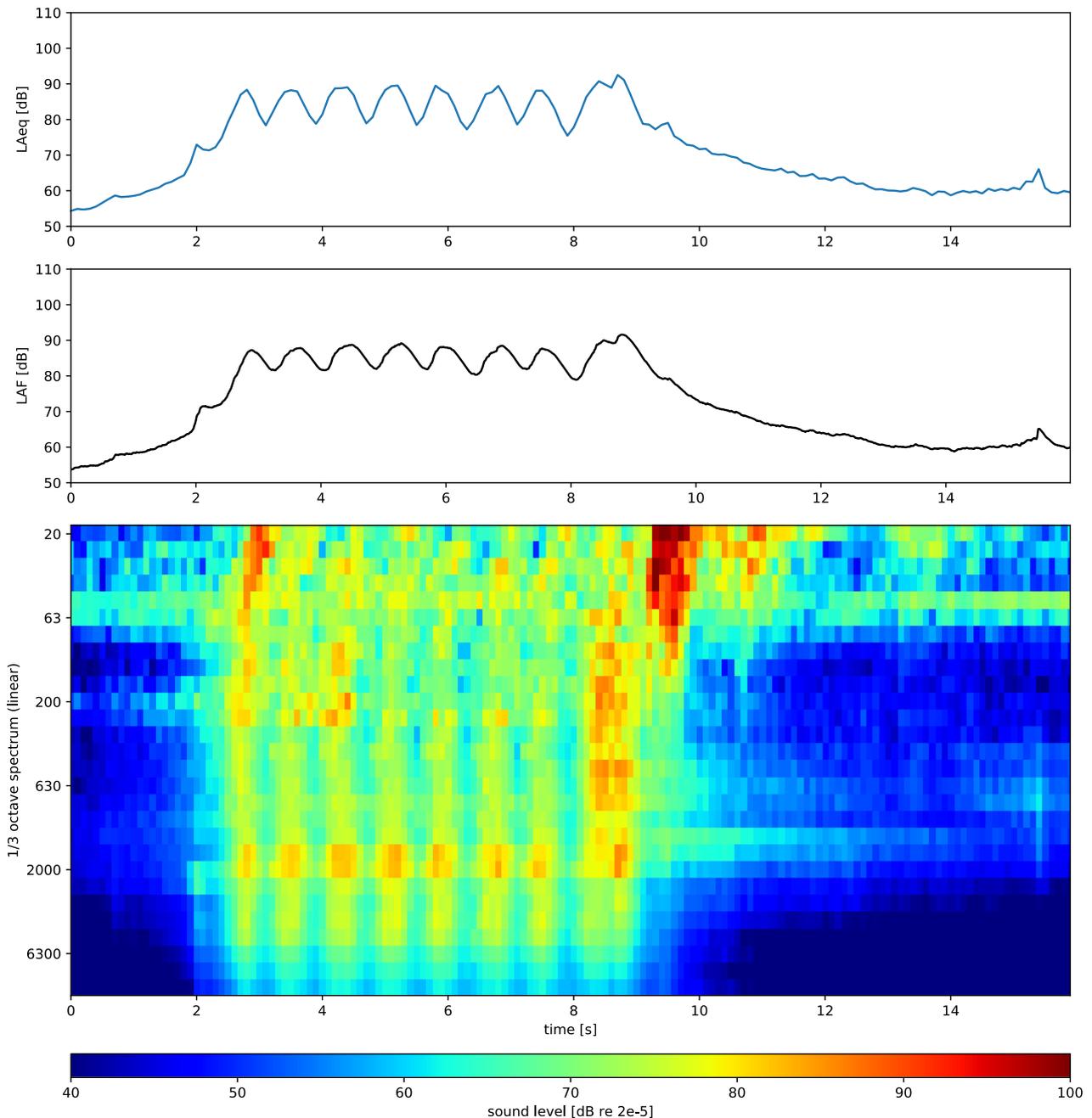


3. Beispieldaten für eine Zugvorbeifahrt am Messquerschnitt MQ 2_2

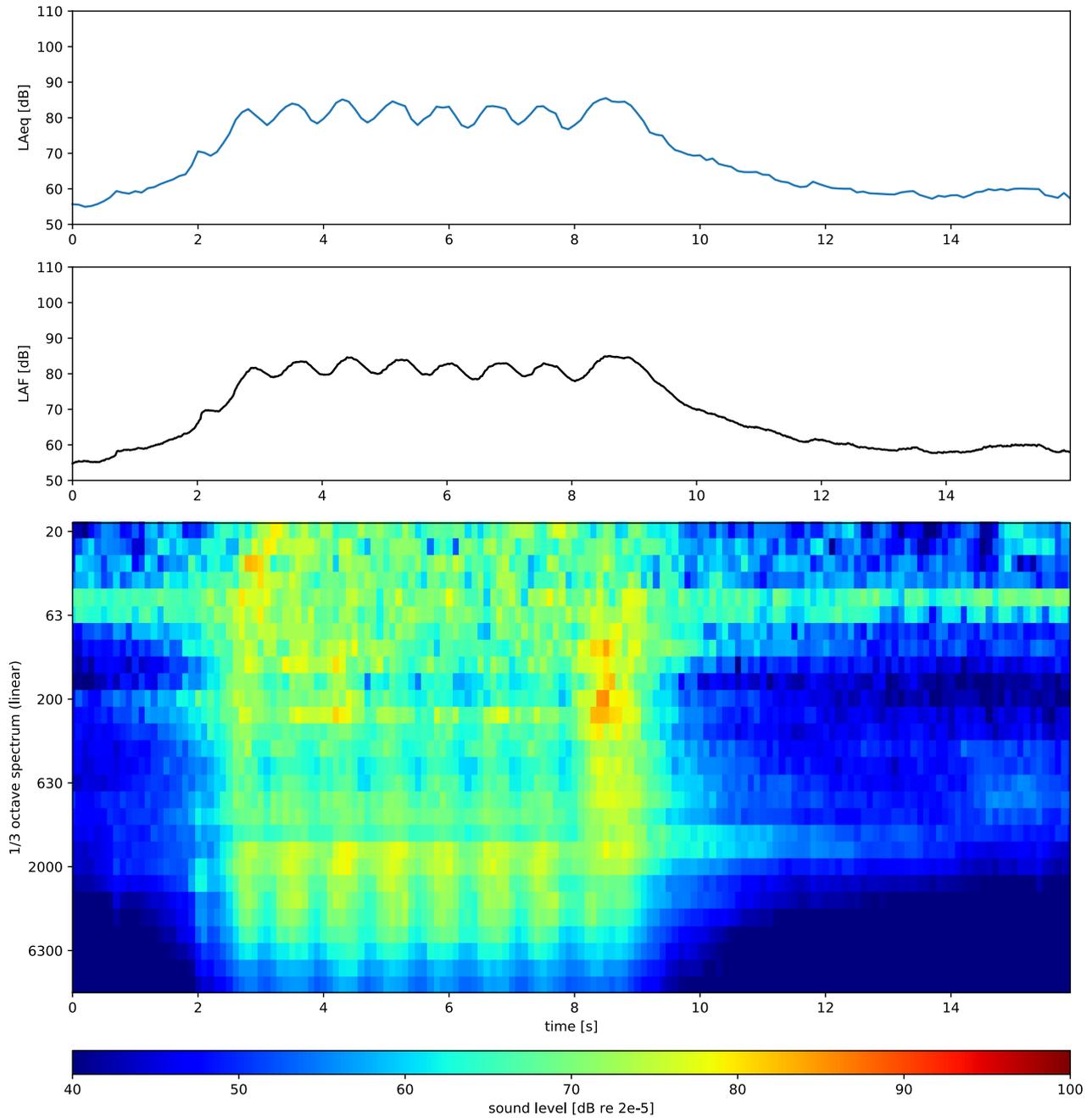
Die Beispieldaten zeigen die Zeitrohdaten, Terzspektren und Schmalbandspektren der Messdaten. Für die Mikrophone werden der L_{Aeq} , der $L_{AF,max}$ und das Terzbandspektrum dargestellt.

Mikrophone (d=3,0 m und d=7,5m)

MQ22 / M30 / MQ22_230125_134136+1.h5

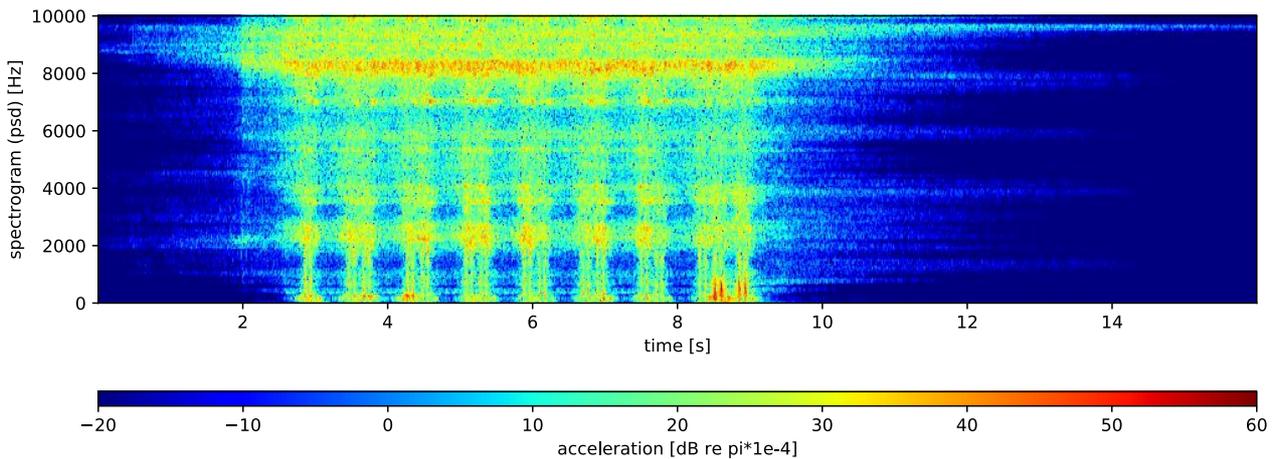
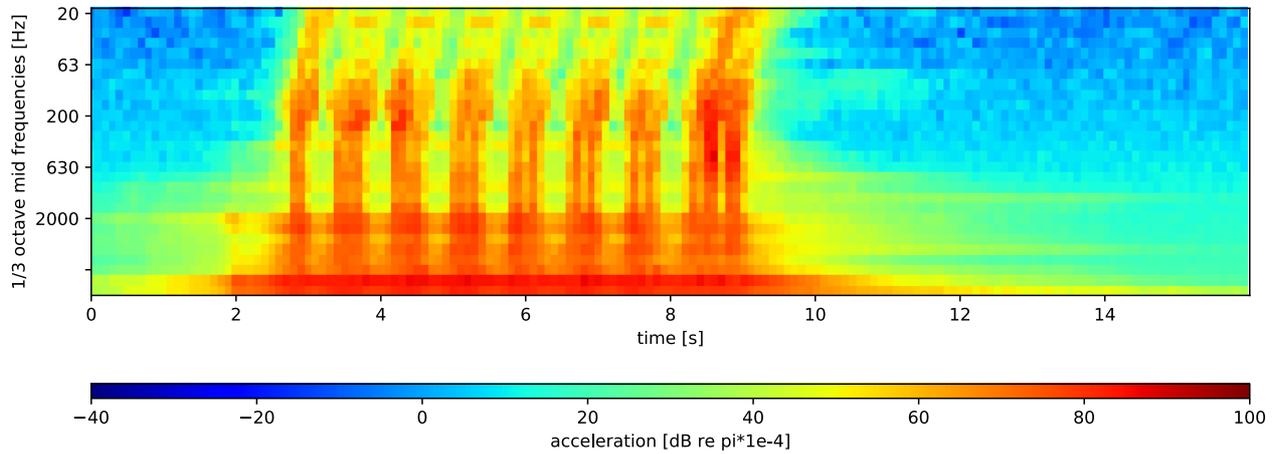
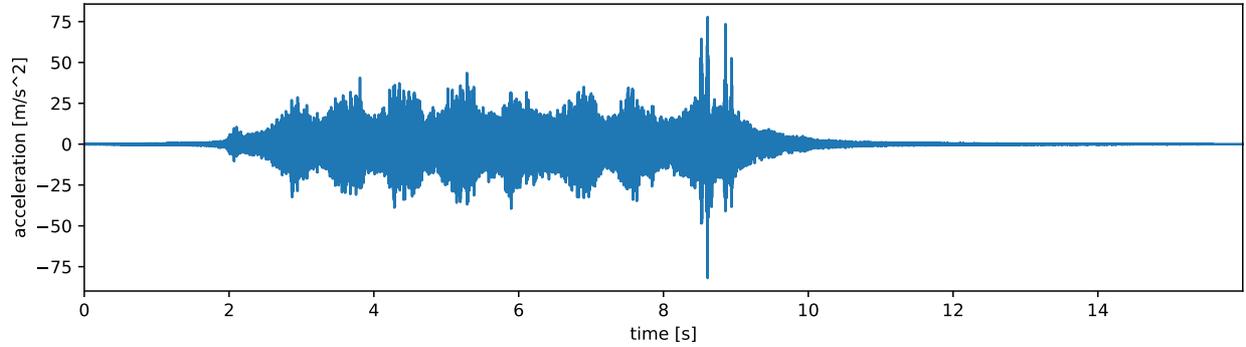


MQ22 / M75 / MQ22_230125_134136+1.h5

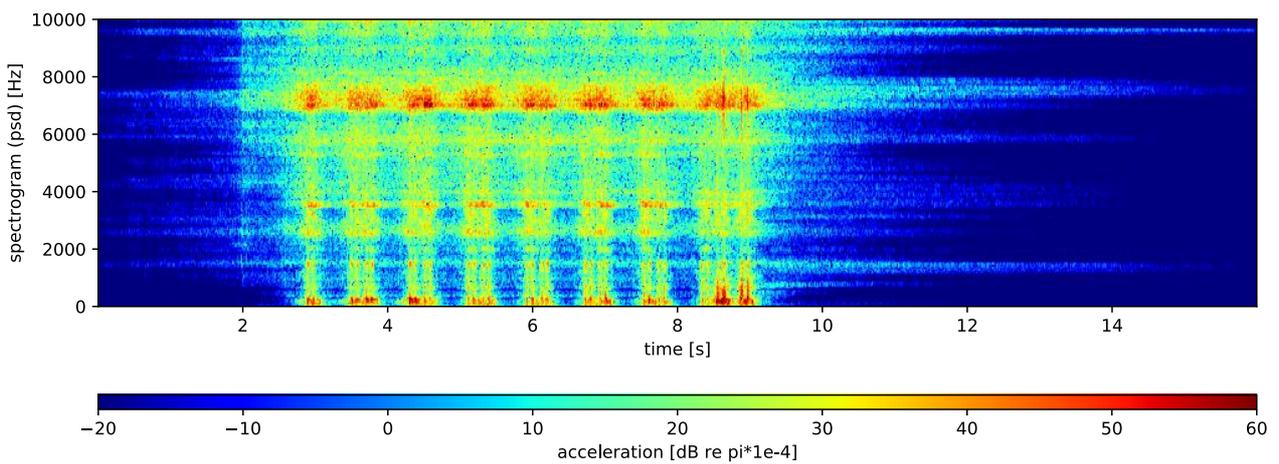
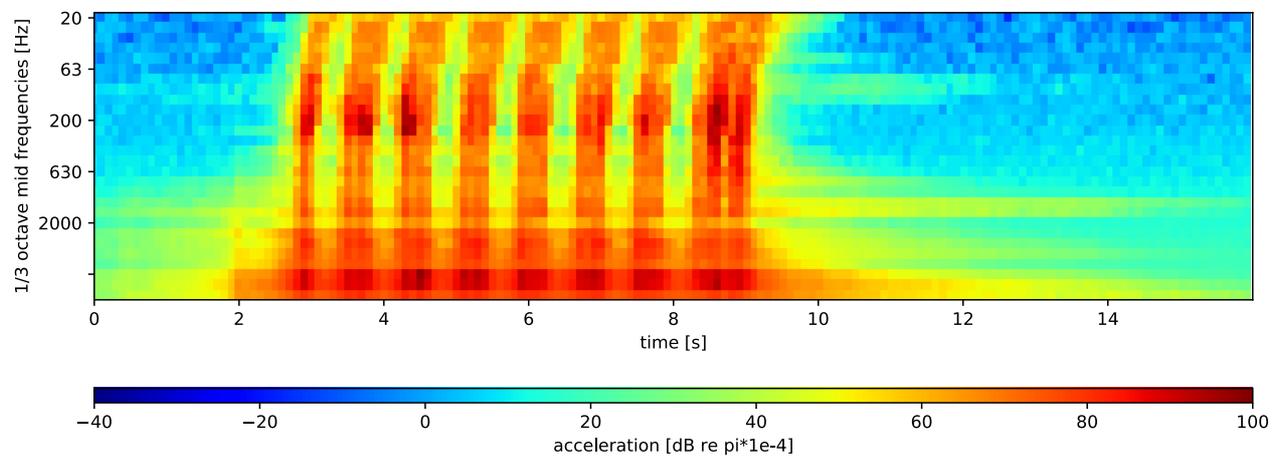
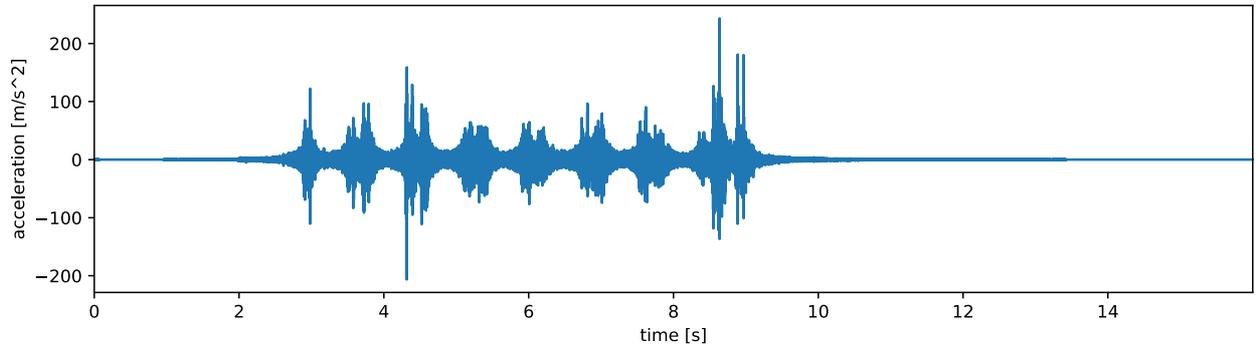


Beschleunigungssensoren Schwelle, vertikal (1-s, 3-s)

MQ22 / 1s / MQ22_230125_134136+1.h5



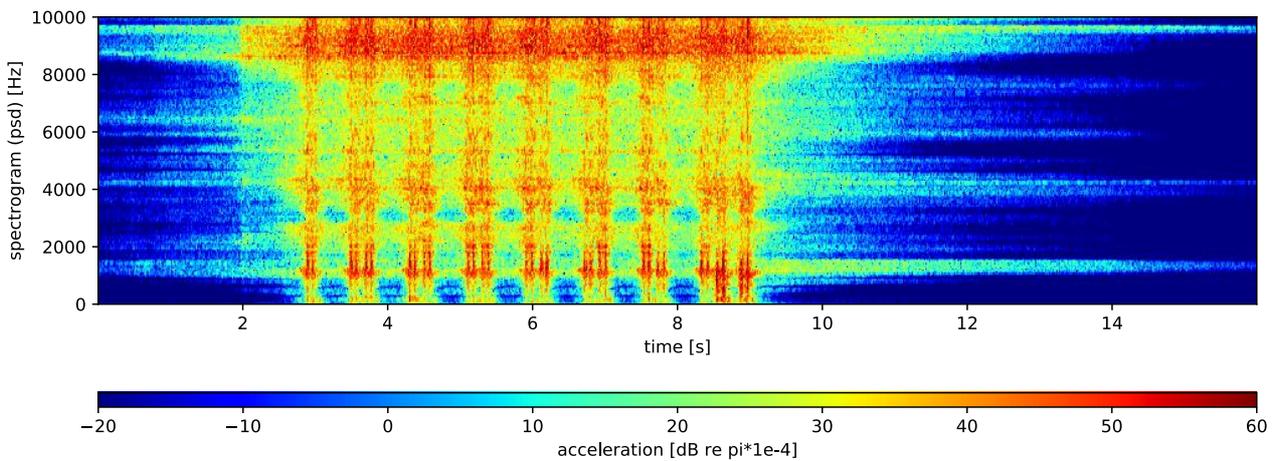
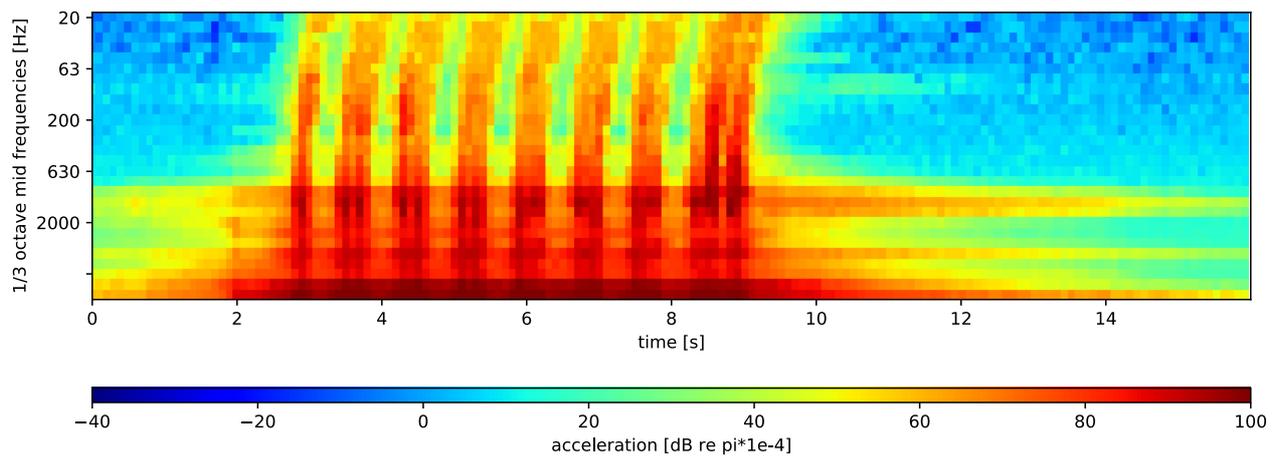
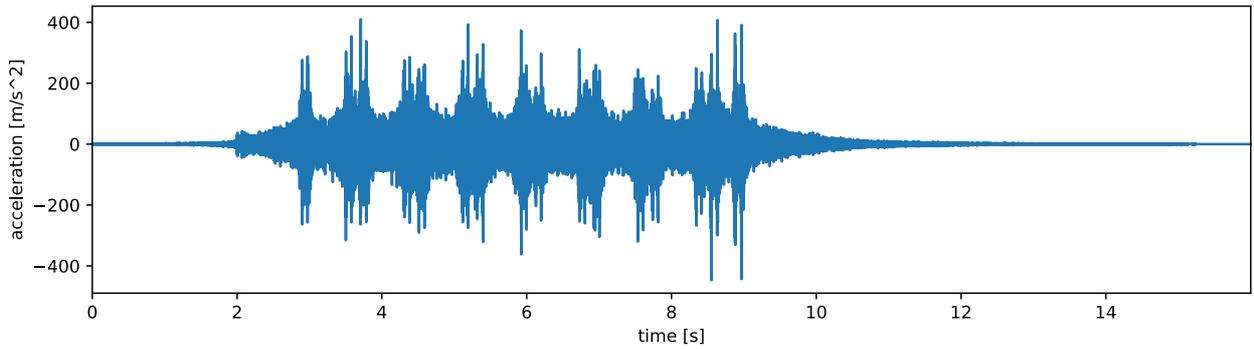
MQ22 / 3s / MQ22_230125_134136+1.h5



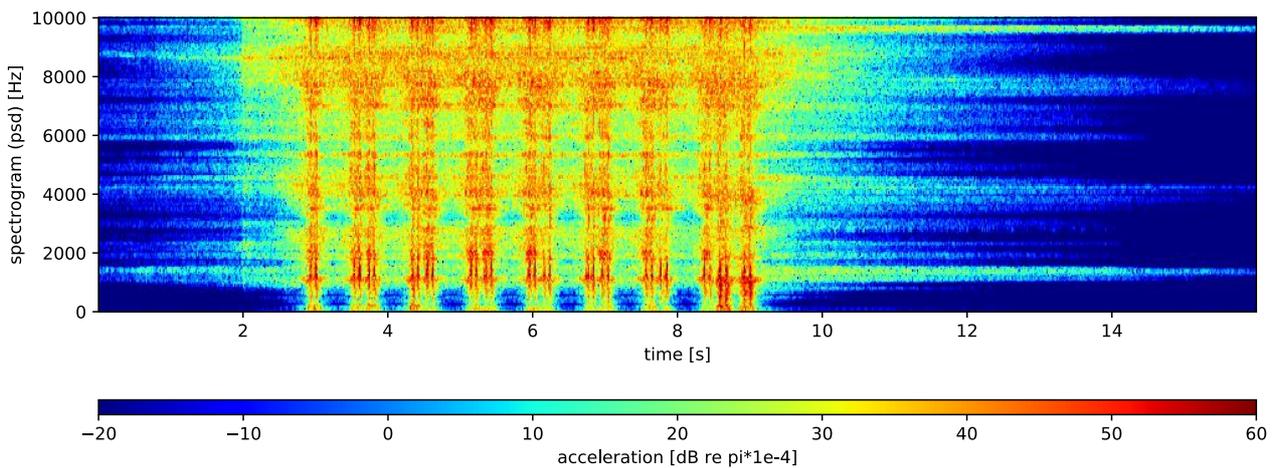
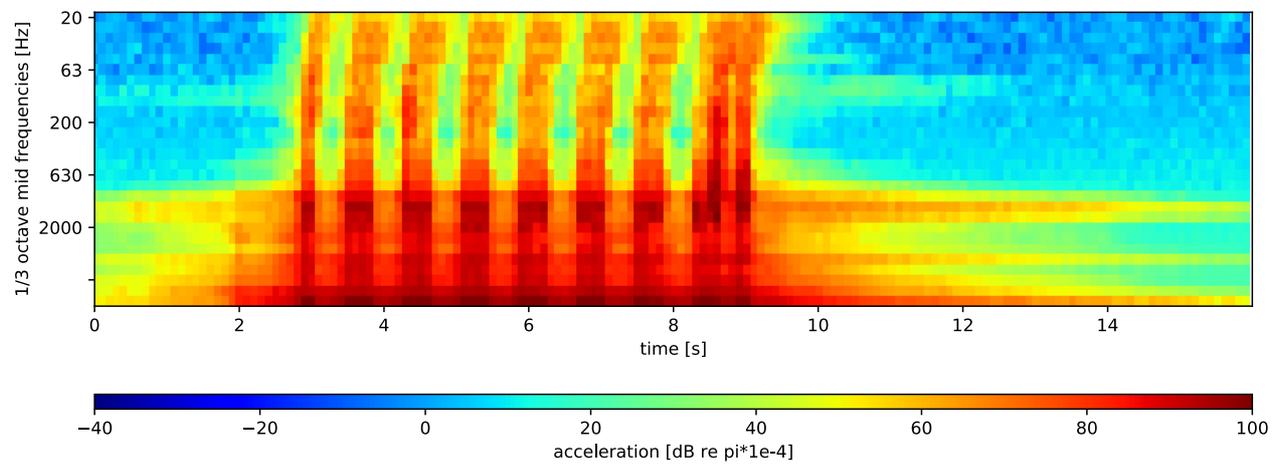
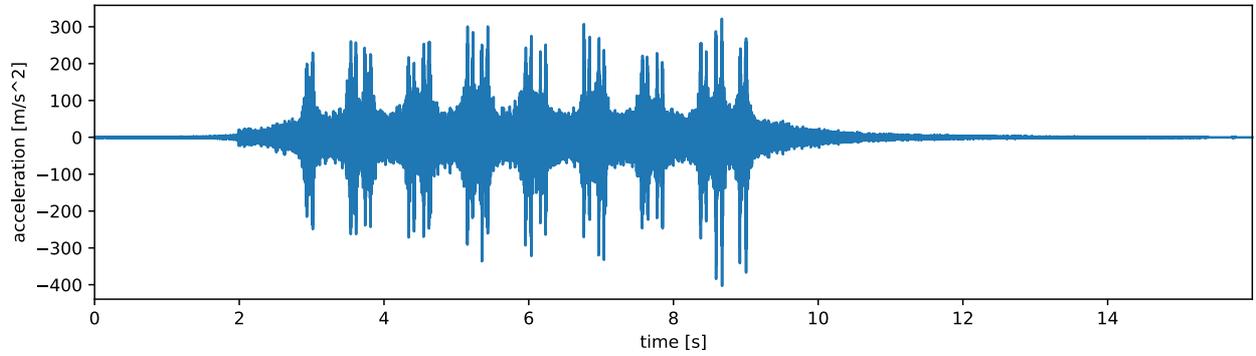
Zeit [s]

Uniaxiale Beschleunigungssensoren Schiene vertikal (2-rf und 4-rf)

MQ22 / 2rf / MQ22_230125_134136+1.h5

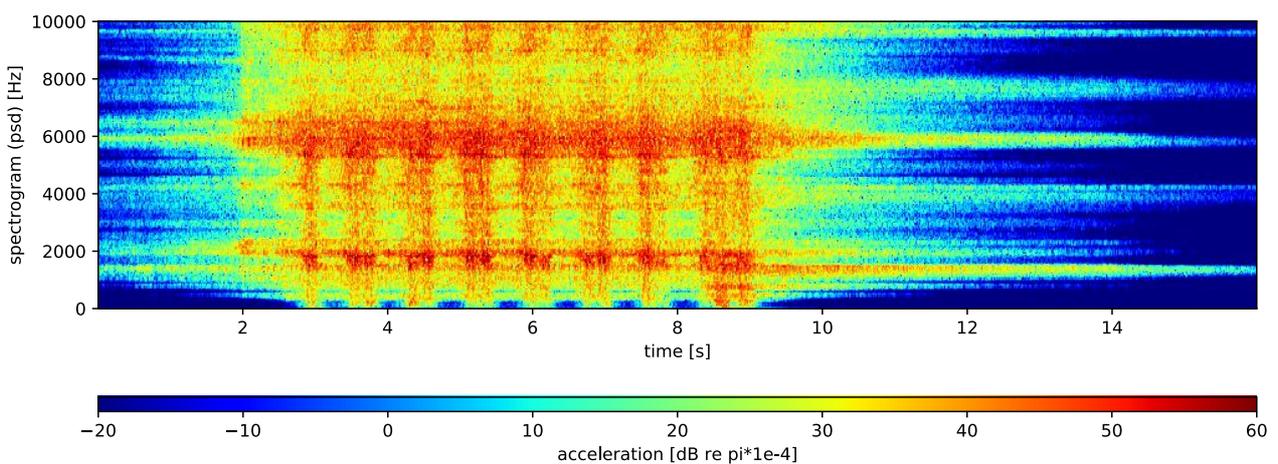
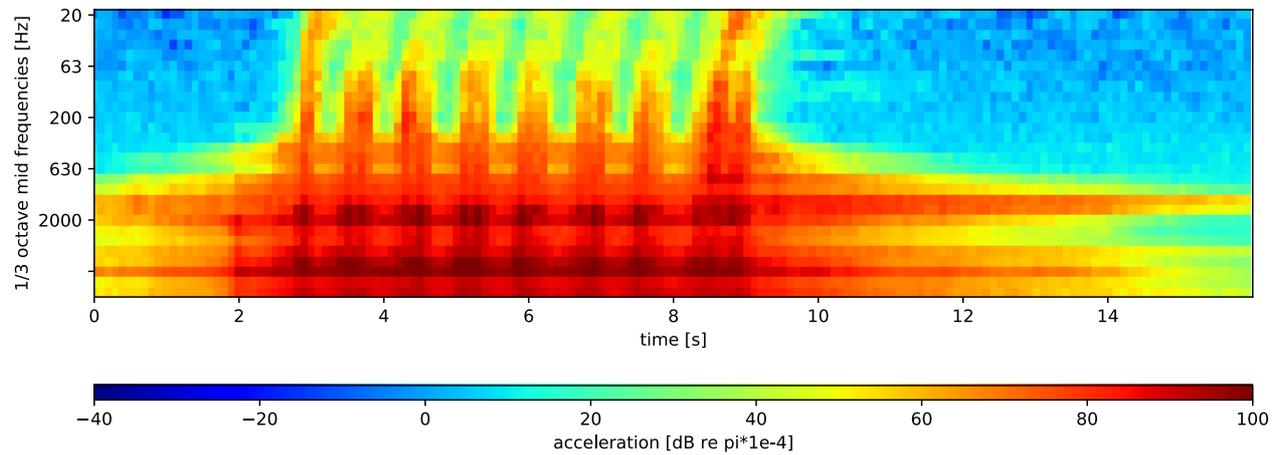
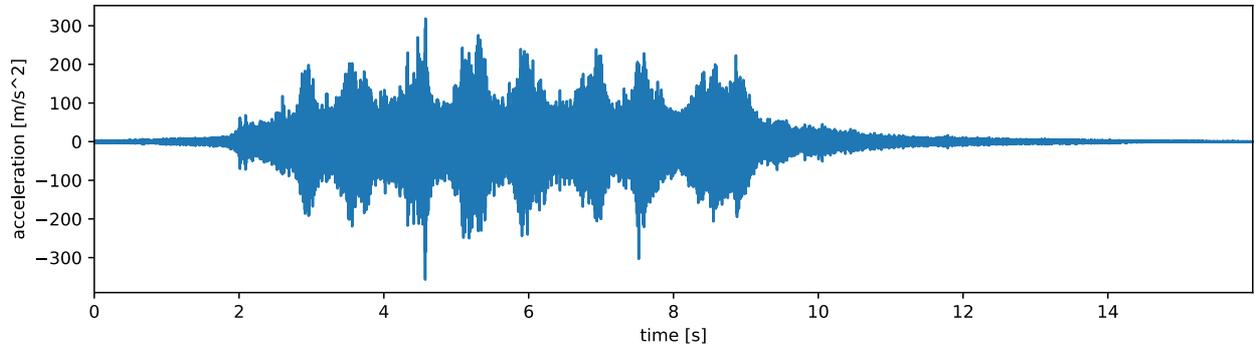


MQ22 / 4rf / MQ22_230125_134136+1.h5

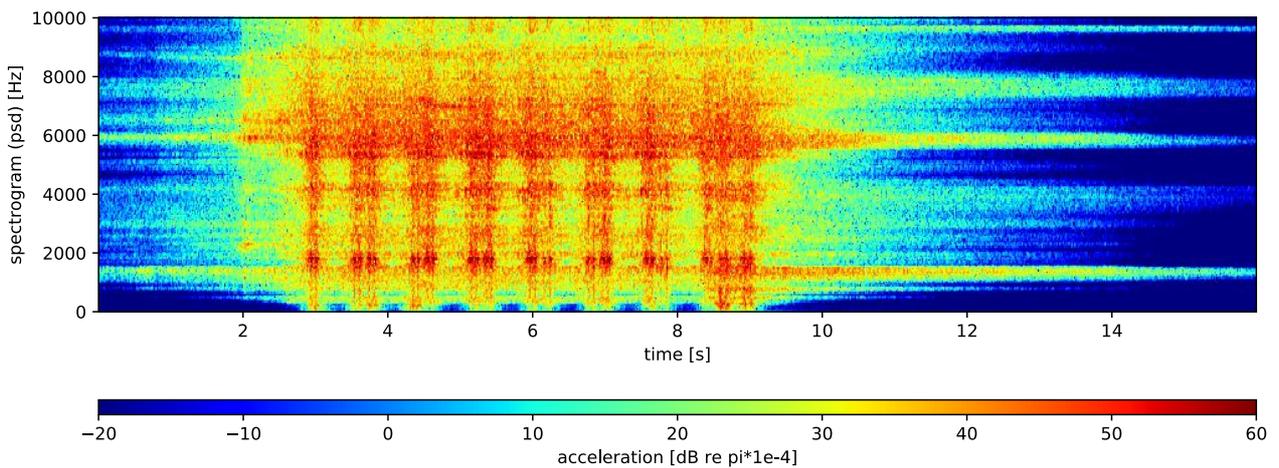
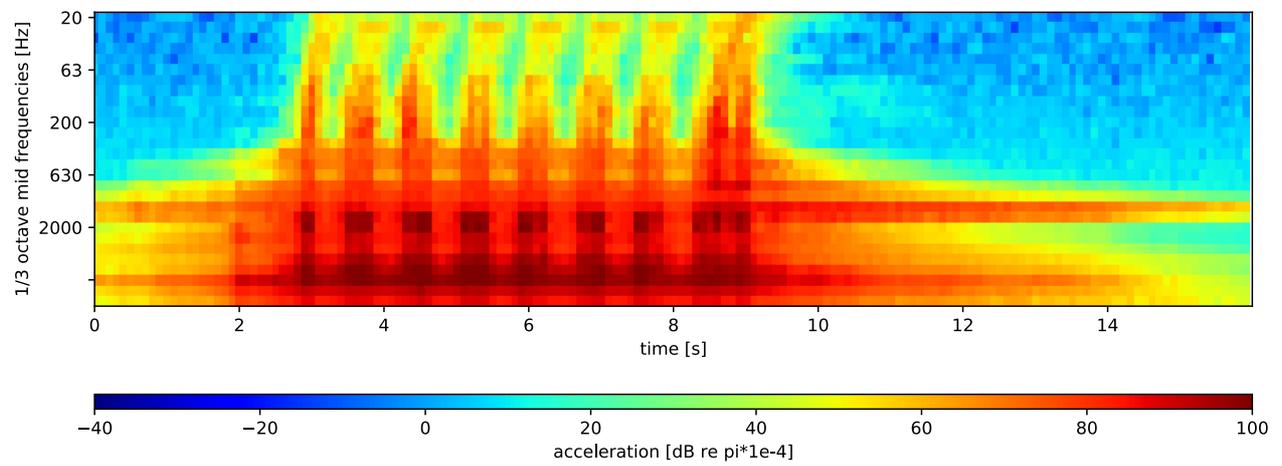
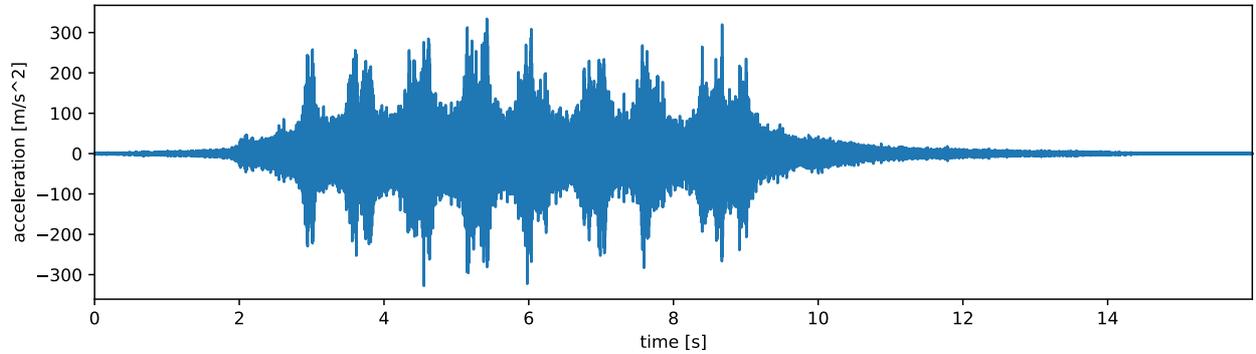


Uniaxiale Beschleunigungssensoren Schienensteg horizontal (2-rw und 4-rw)

MQ22 / 2rw / MQ22_230125_134136+1.h5

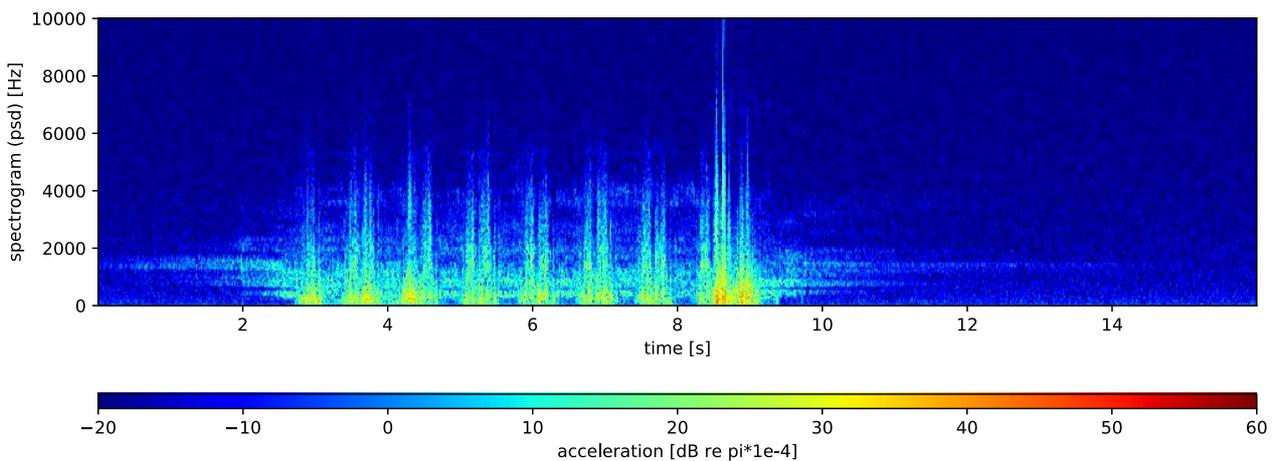
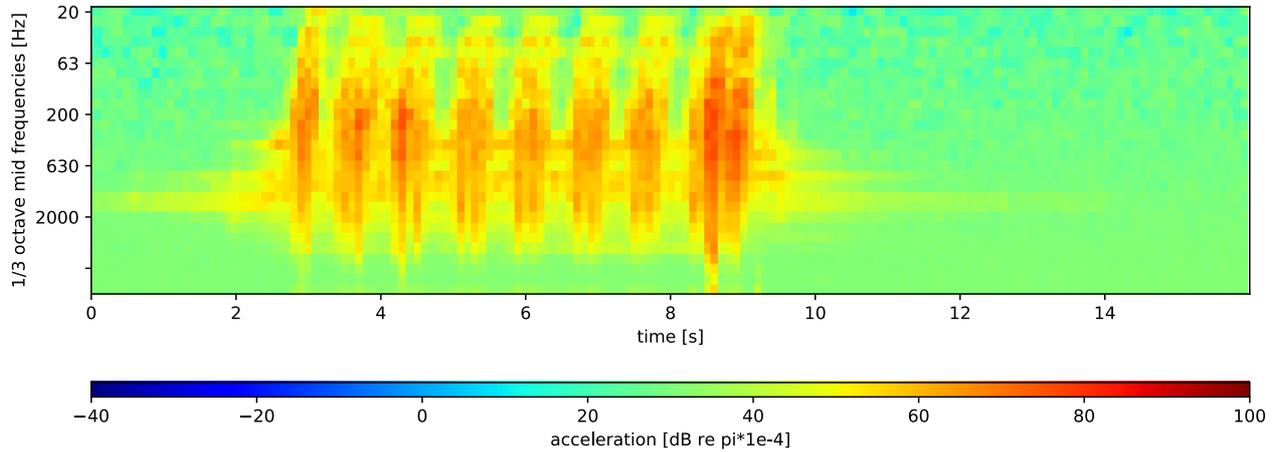
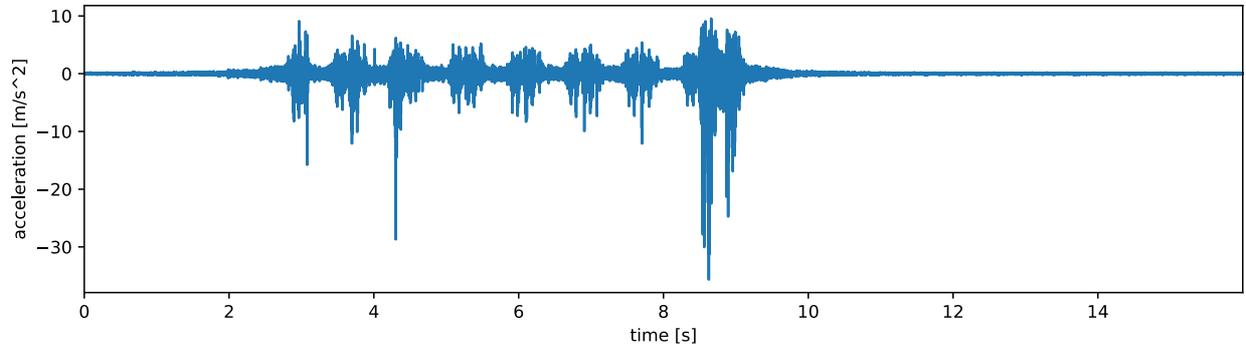


MQ22 / 4rw / MQ22_230125_134136+1.h5

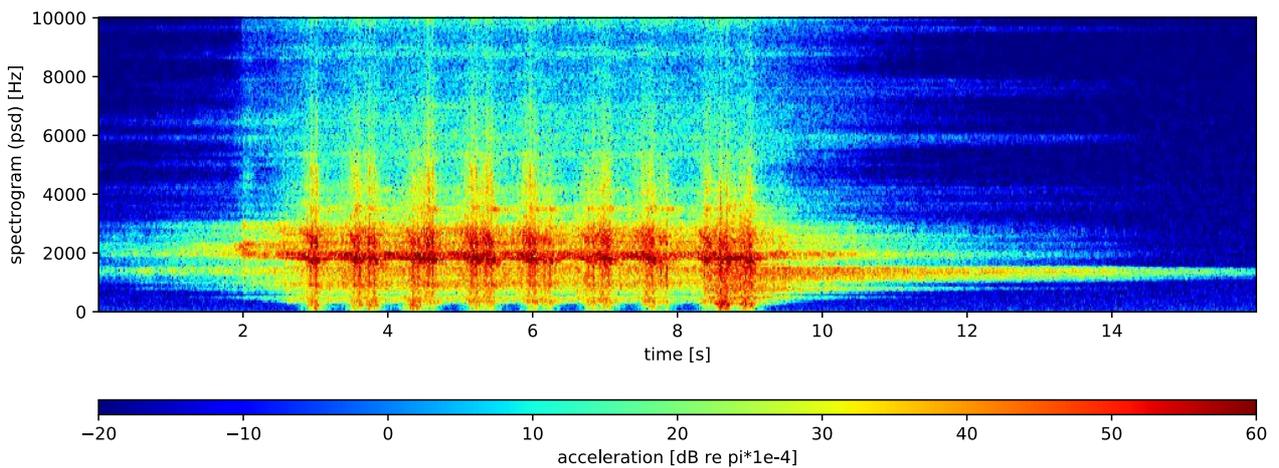
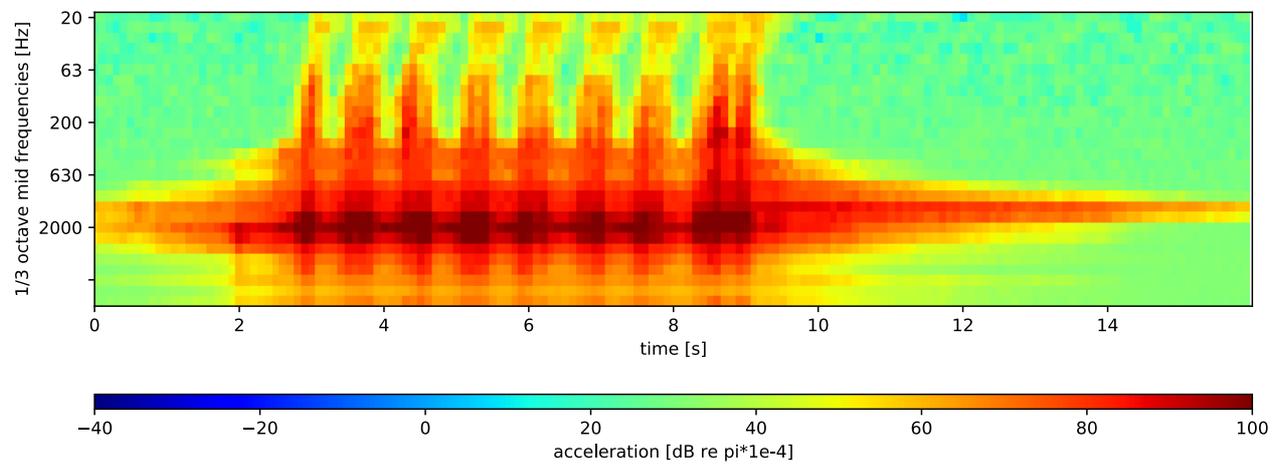
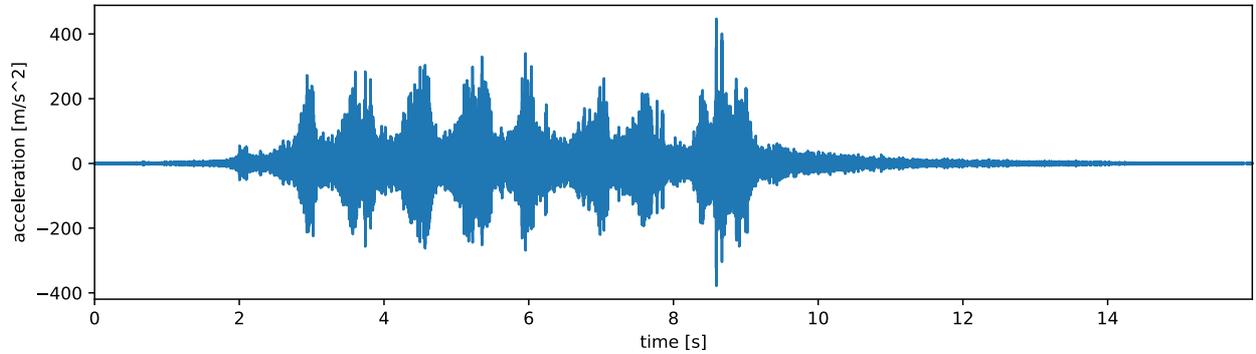


Uniaxiale Beschleunigungssensoren Schienenkopf horizontal (2-rh und 4-rh)

MQ22 / 2rh / MQ22_230125_134136+1.h5

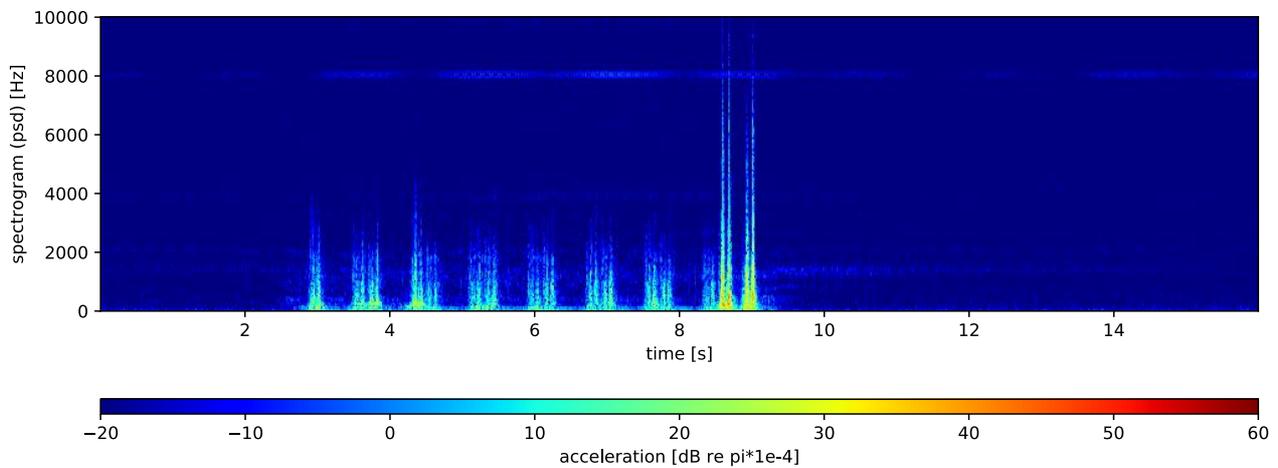
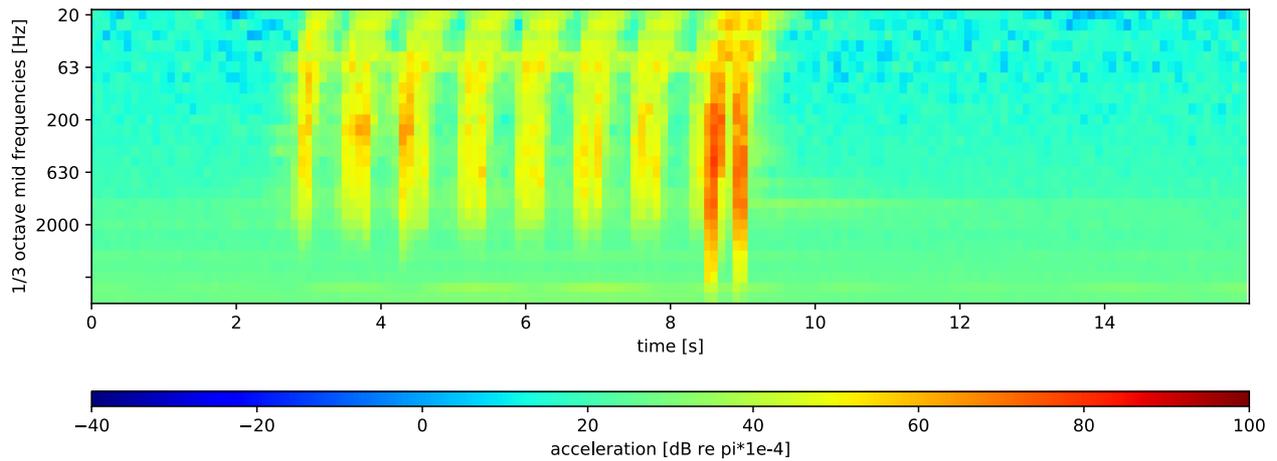
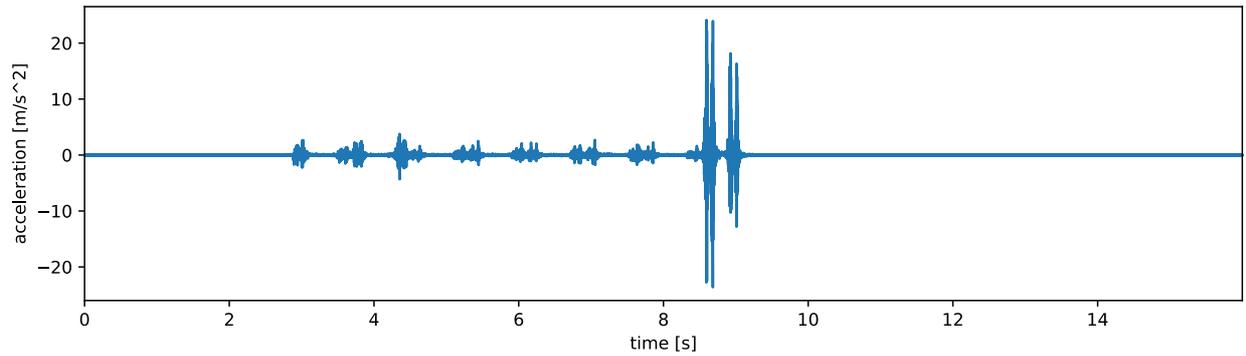


MQ22 / 4rh / MQ22_230125_134136+1.h5

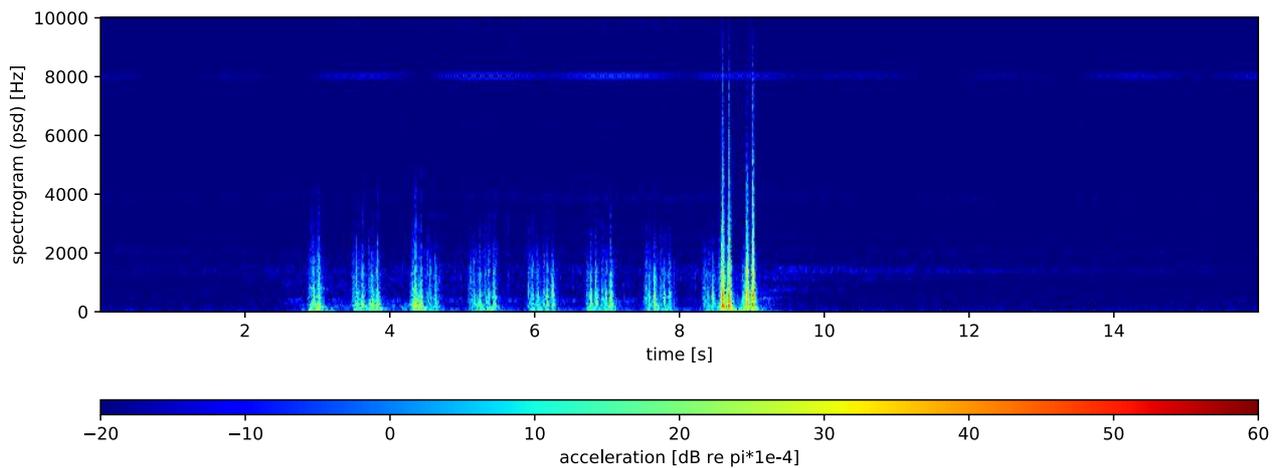
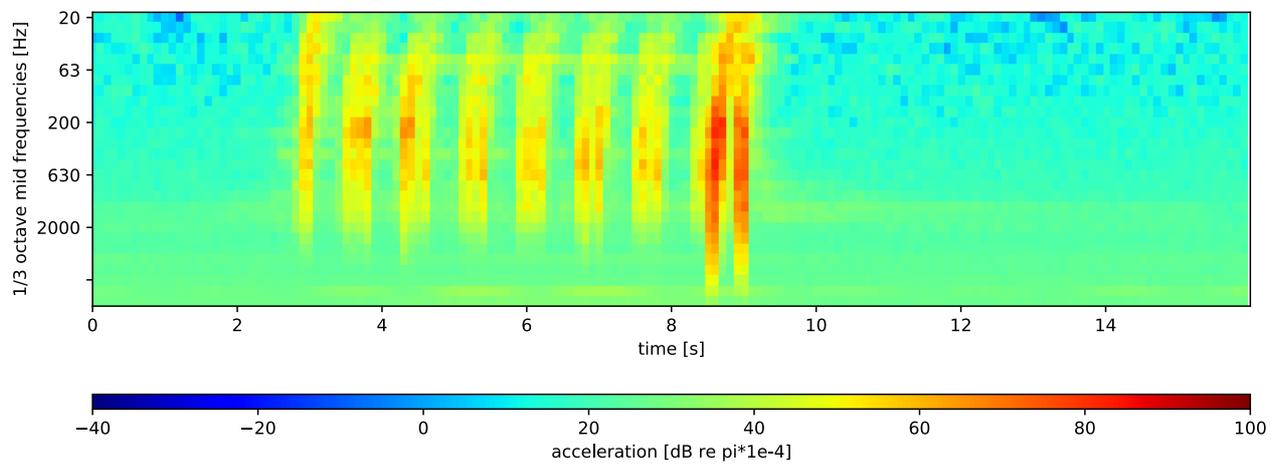
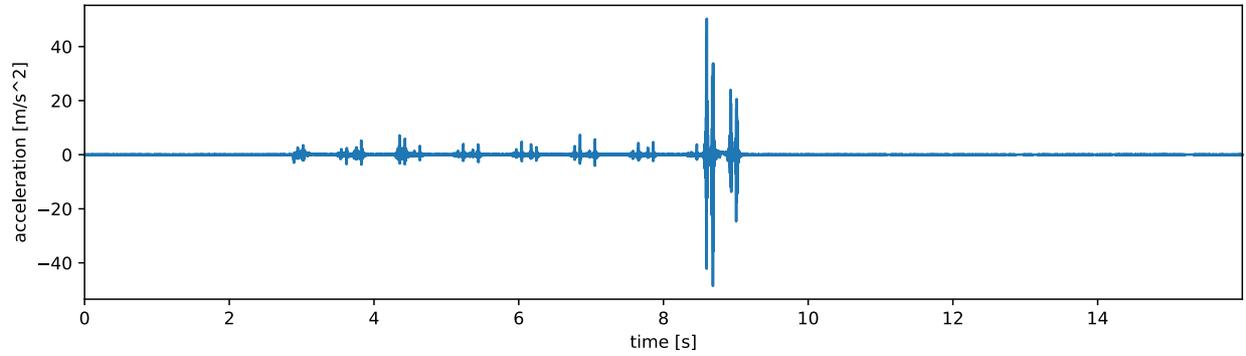


Triaxiale Beschleunigungssensoren Schotter
Tiefe: 20 cm unter Schwellenunterkante (5-bl-l)
Tiefe: 10 cm unter Schwellenunterkante (5bl-u)

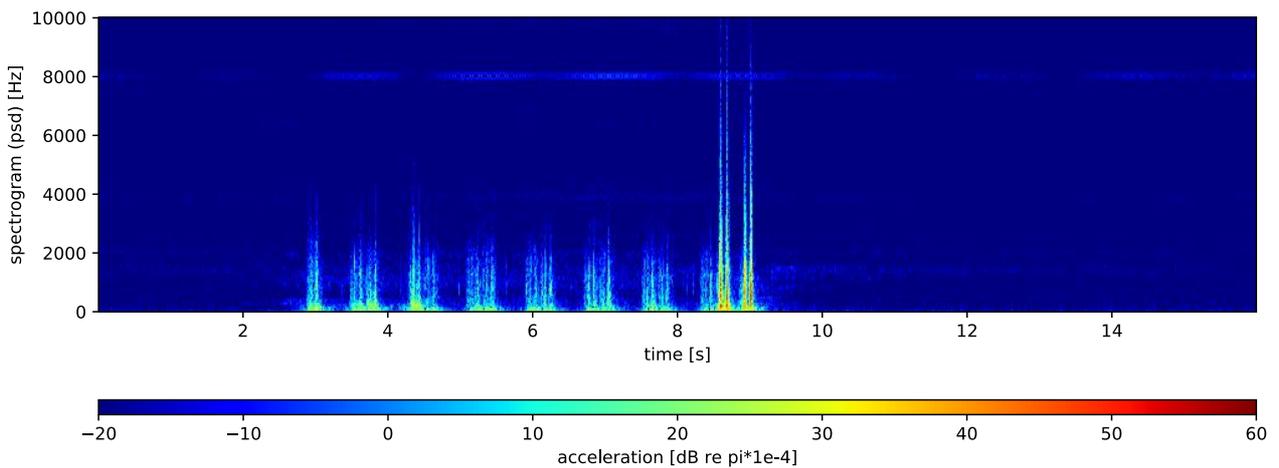
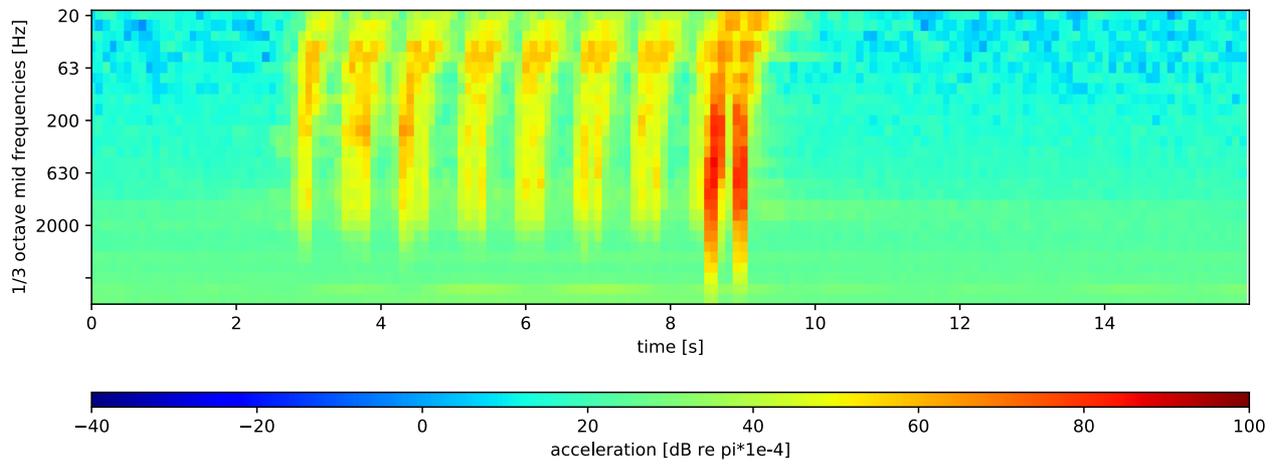
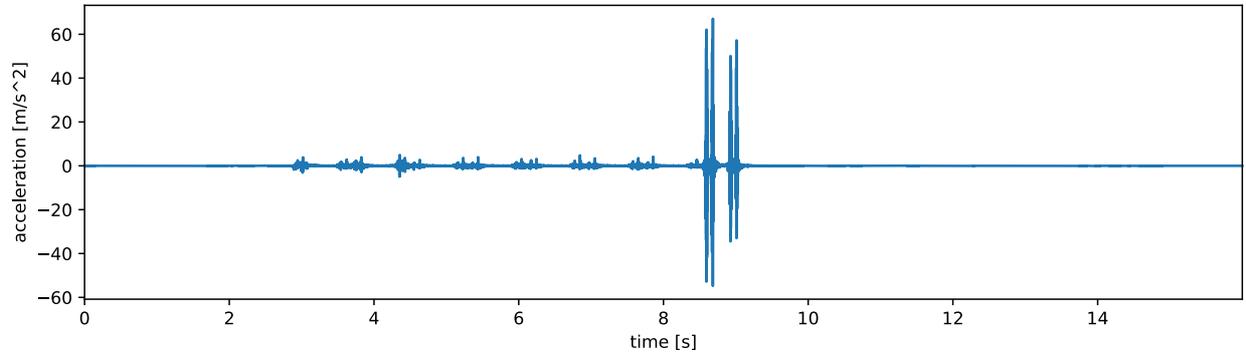
MQ22 / 5lx / MQ22_230125_134136+1.h5



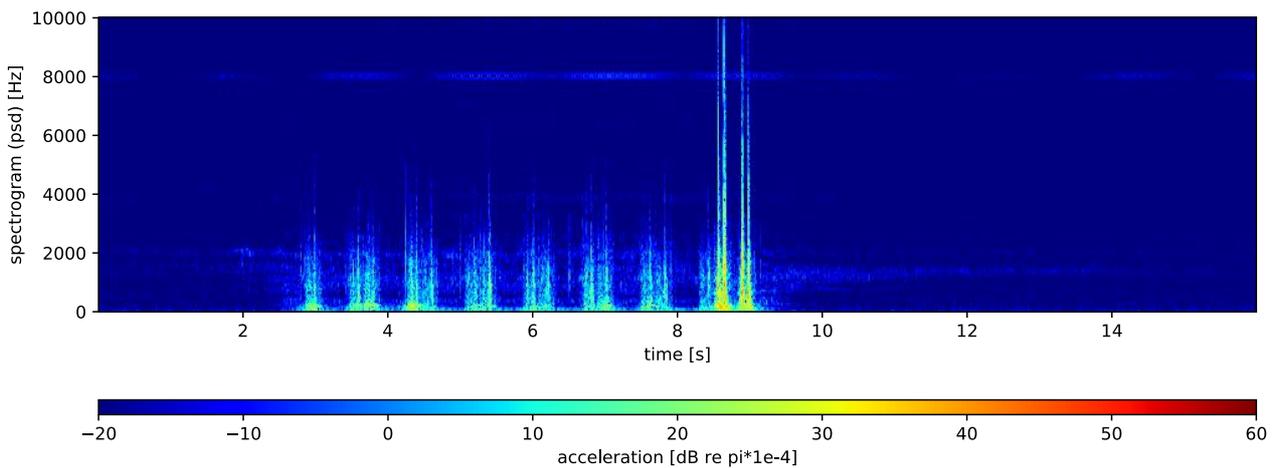
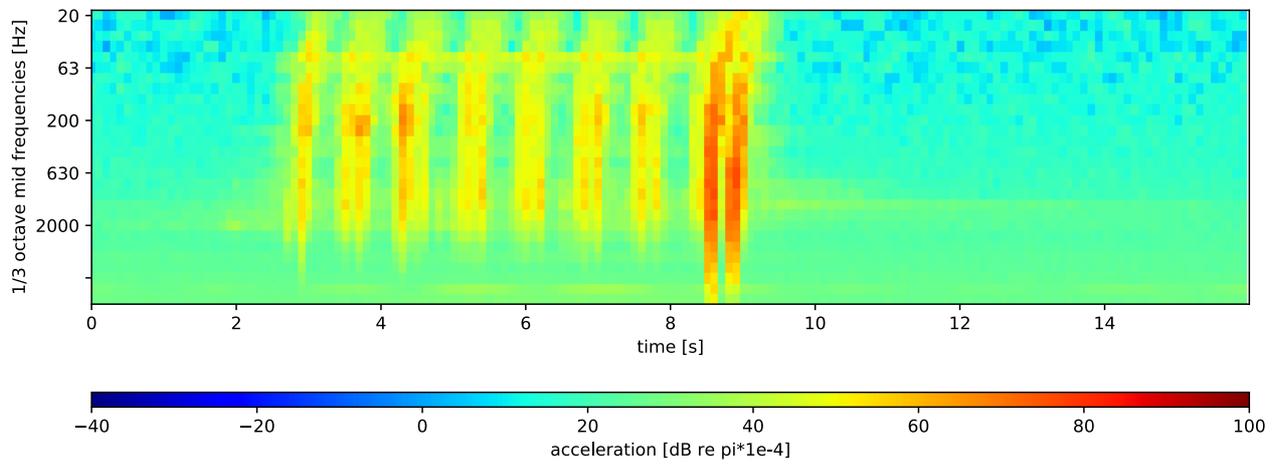
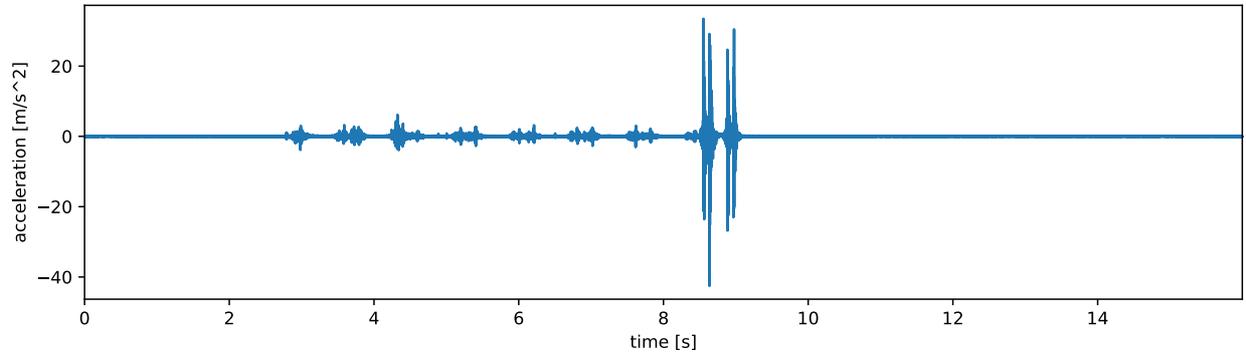
MQ22 / 5ly / MQ22_230125_134136+1.h5



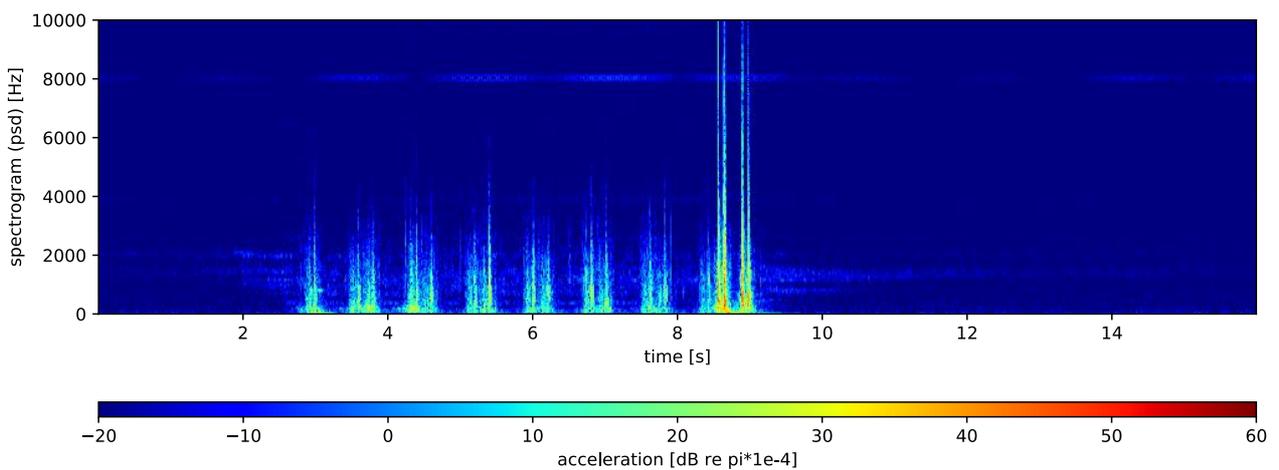
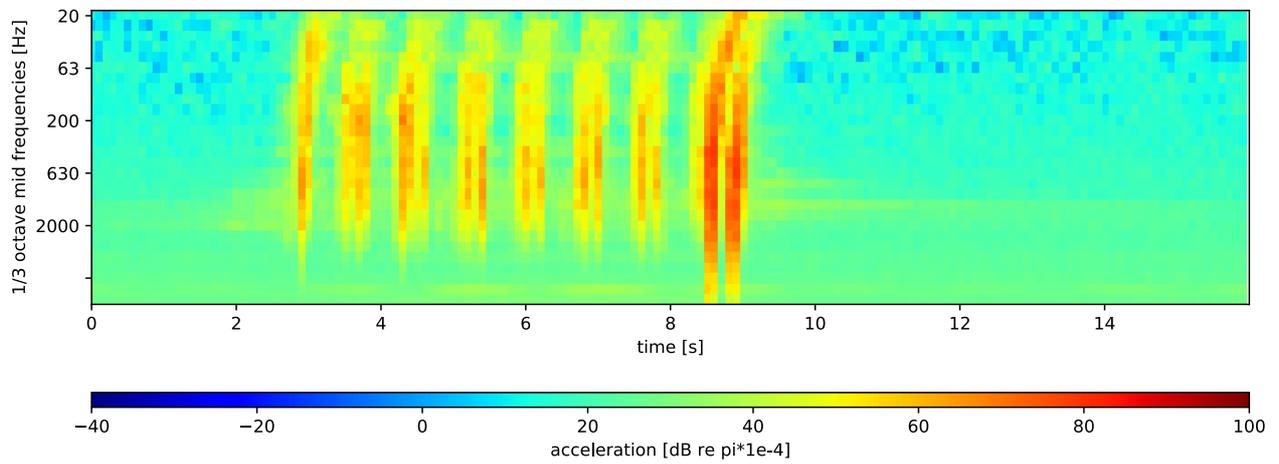
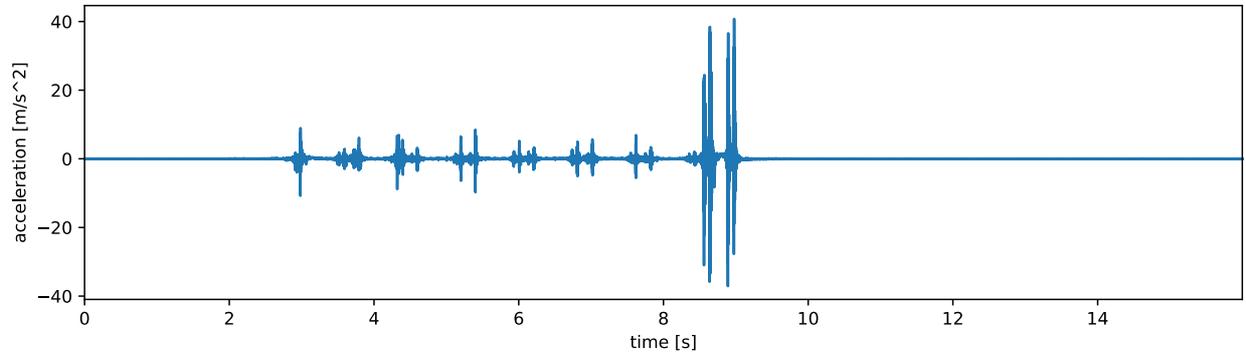
MQ22 / 5lz / MQ22_230125_134136+1.h5



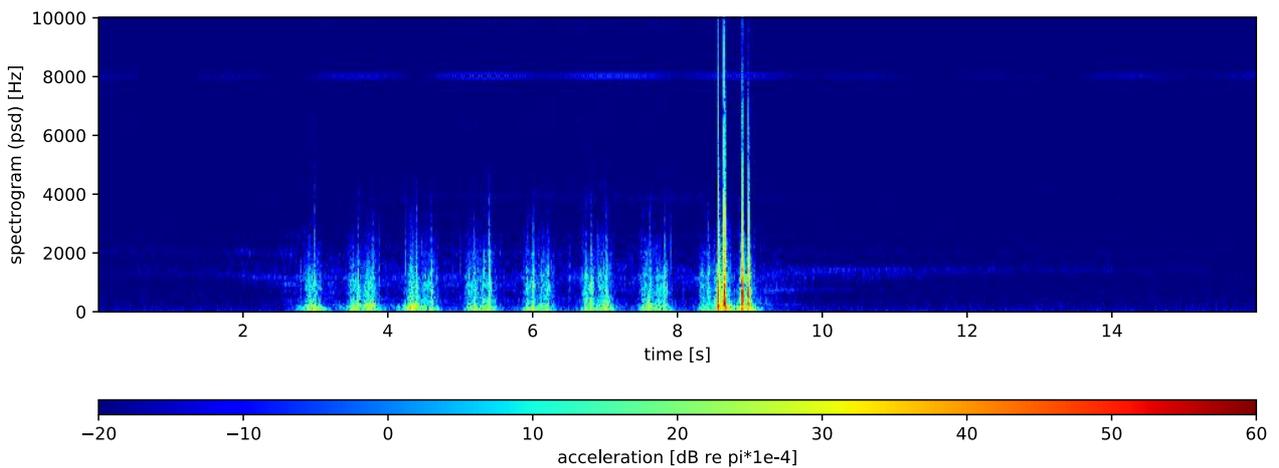
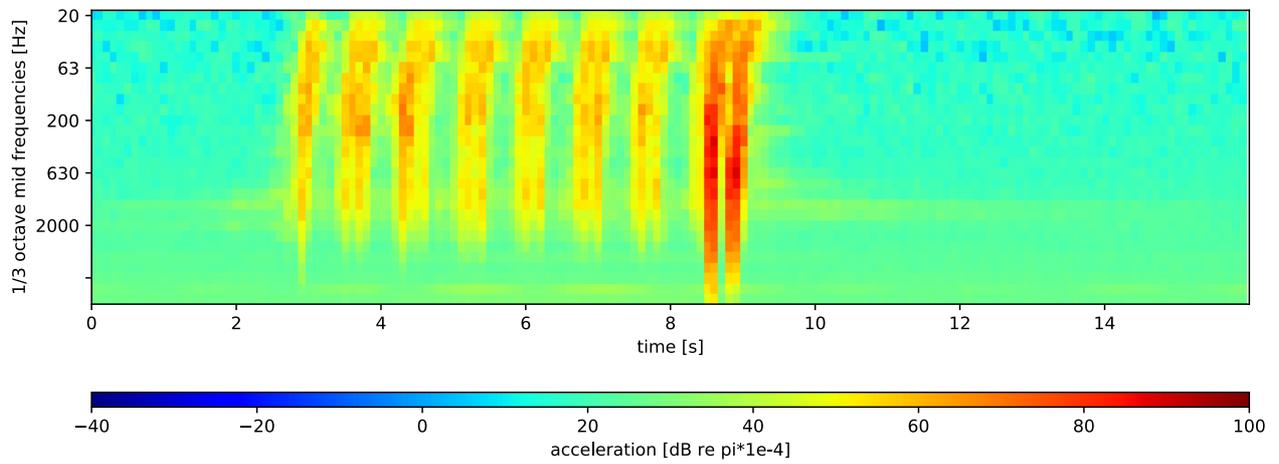
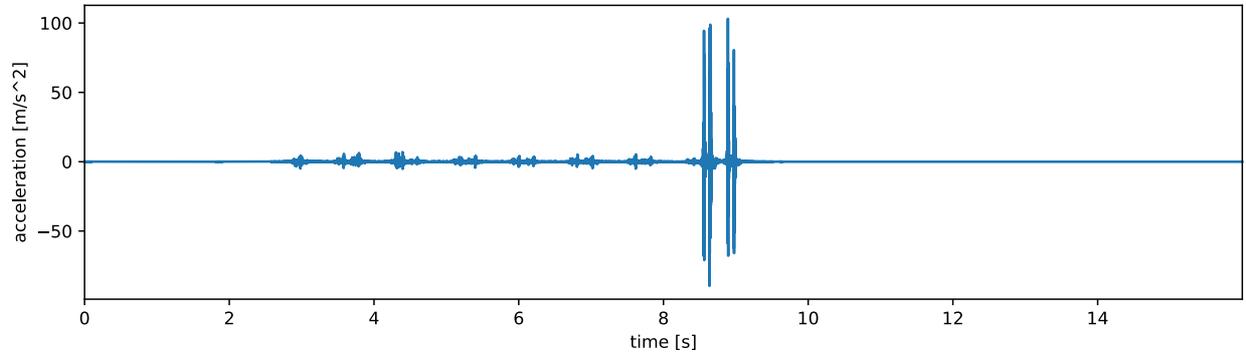
MQ22 / 5ux / MQ22_230125_134136+1.h5



MQ22 / 5uy / MQ22_230125_134136+1.h5

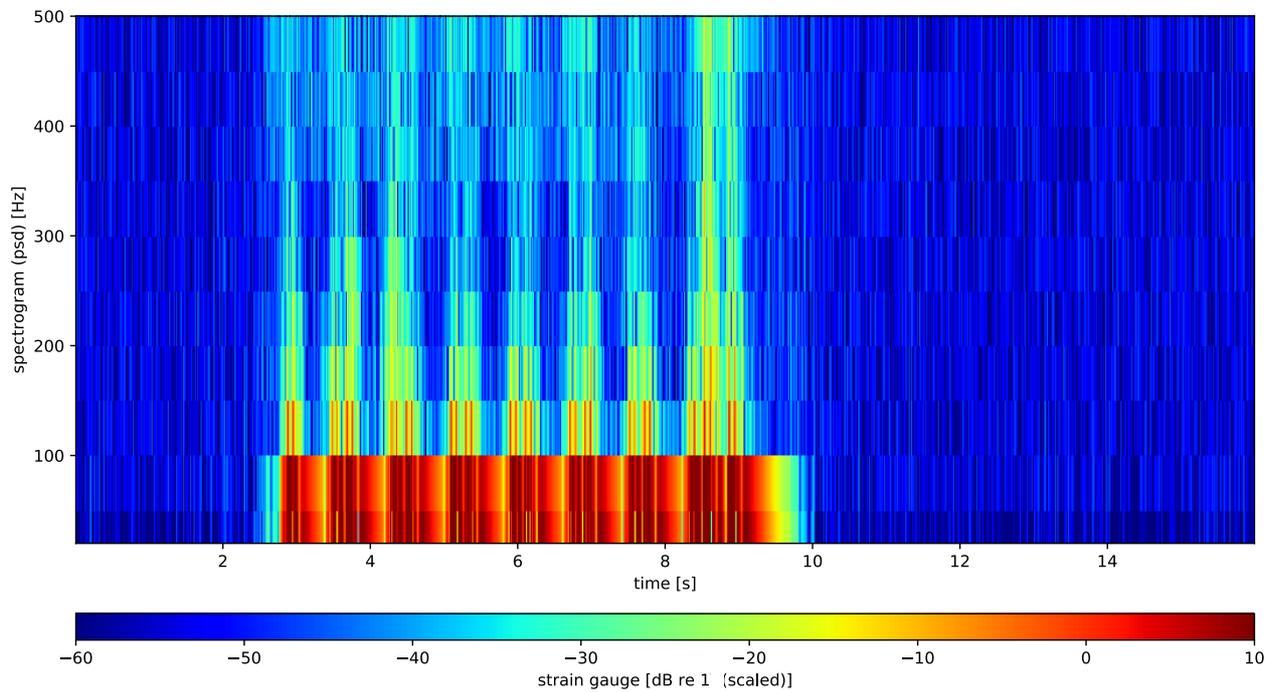
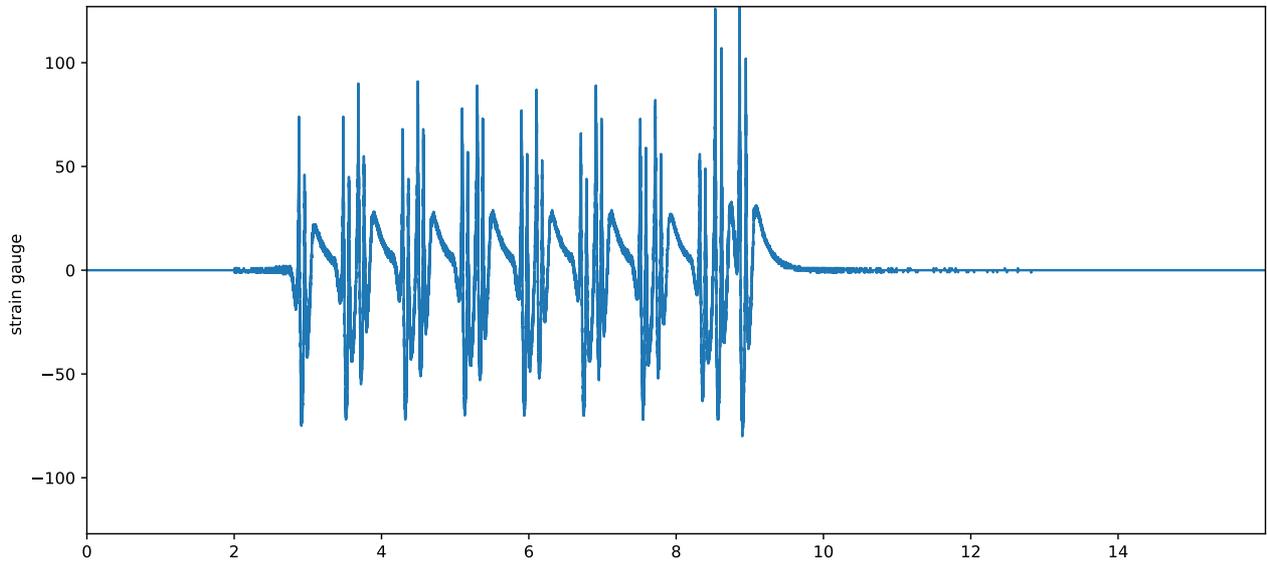


MQ22 / 5uz / MQ22_230125_134136+1.h5

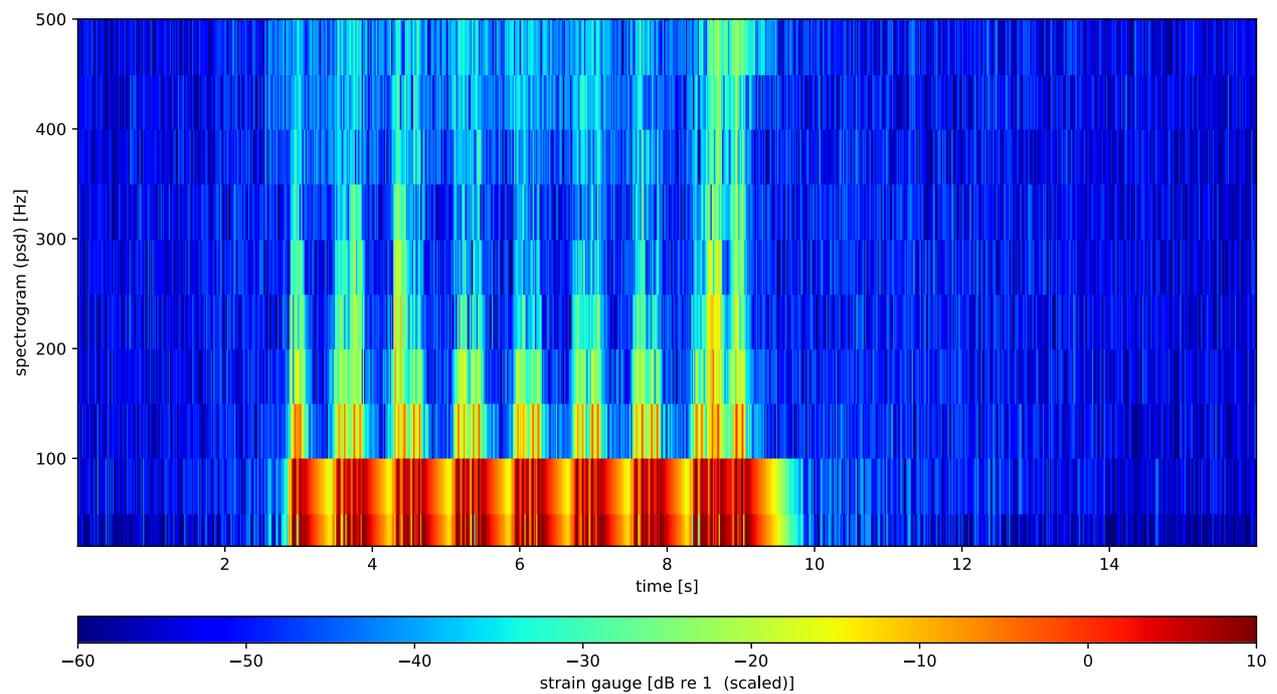
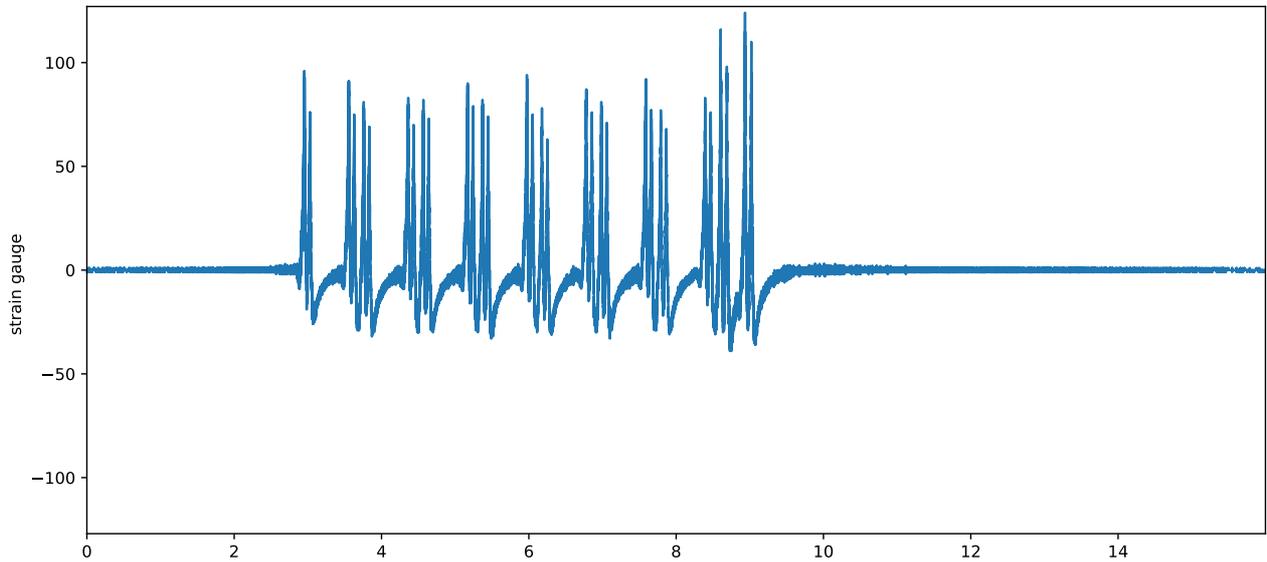


Achstrigger (g1-1I, g1-2I)

MQ22 / g1-1I / MQ22_230125_134136+1.h5 / l = 213.0 [m] / v = 129.0 [km/h]

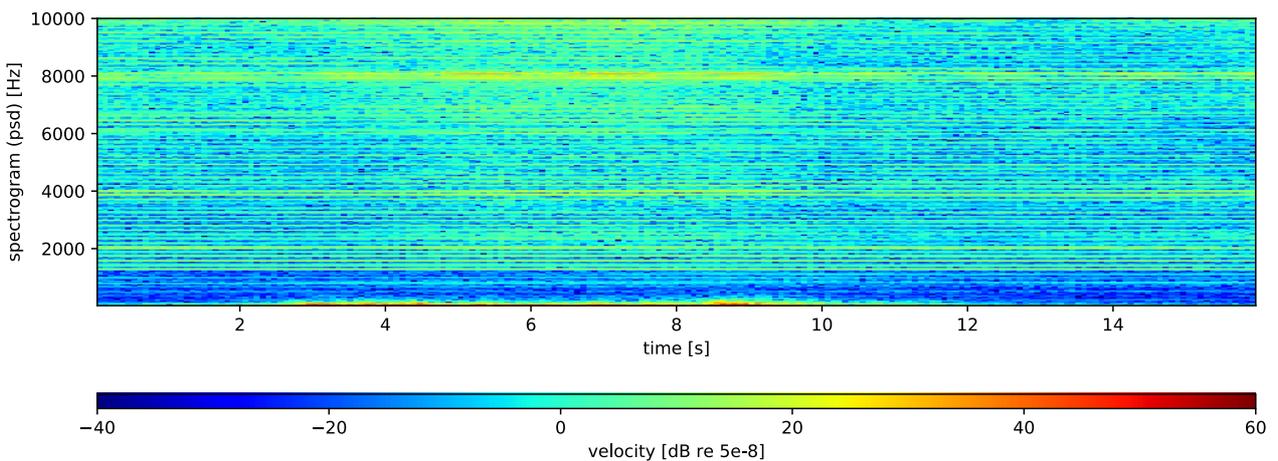
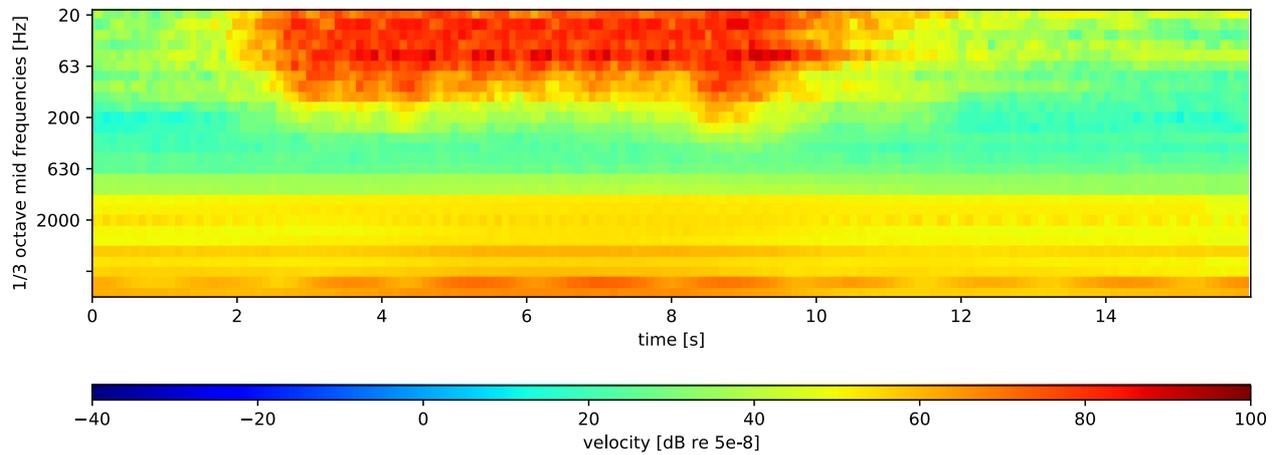
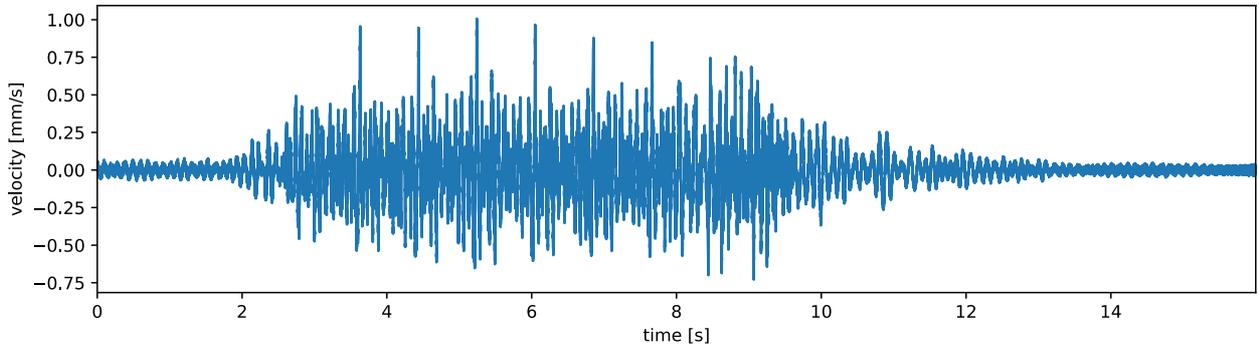


MQ22 / g1-2I / MQ22_230125_134136+1.h5 / l = 213.0 [m] / v = 129.0 [km/h]

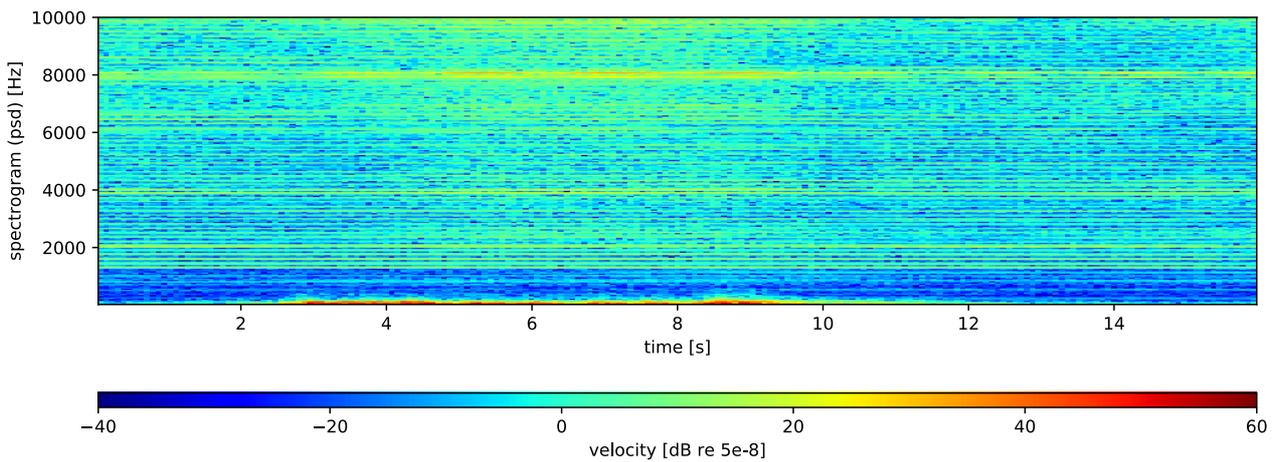
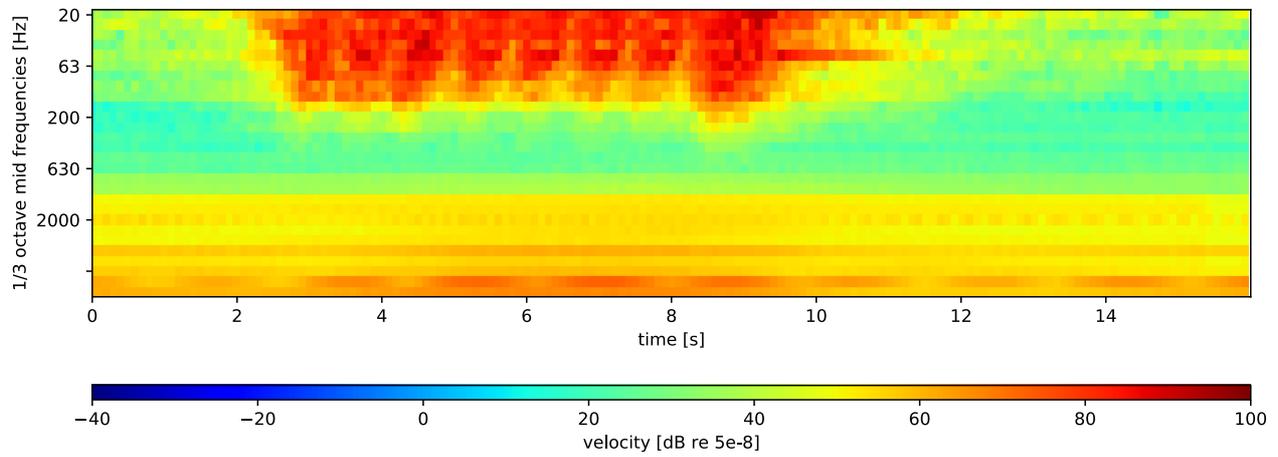
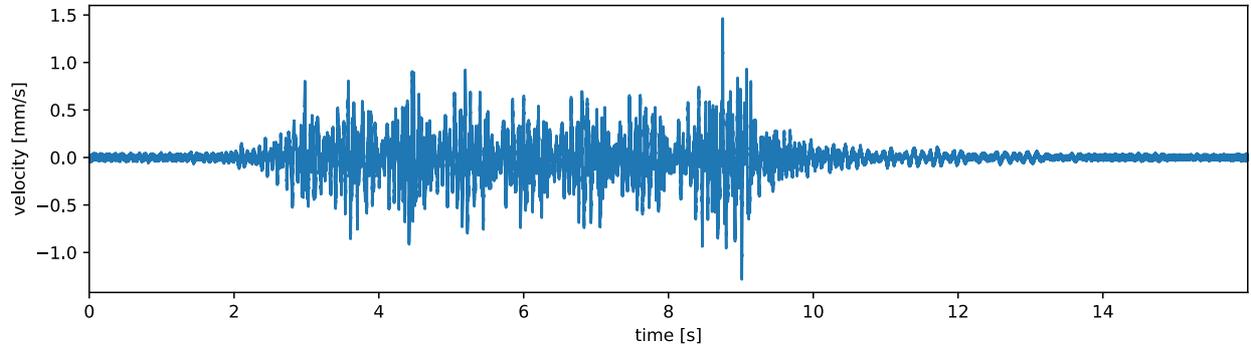


Bodenerschütterung (triaxial)

MQ22 / vx / MQ22_230125_134136+1.h5



MQ22 / vy / MQ22_230125_134136+1.h5



MQ22 / vz / MQ22_230125_134136+1.h5

