

Results - Subjects batch 1

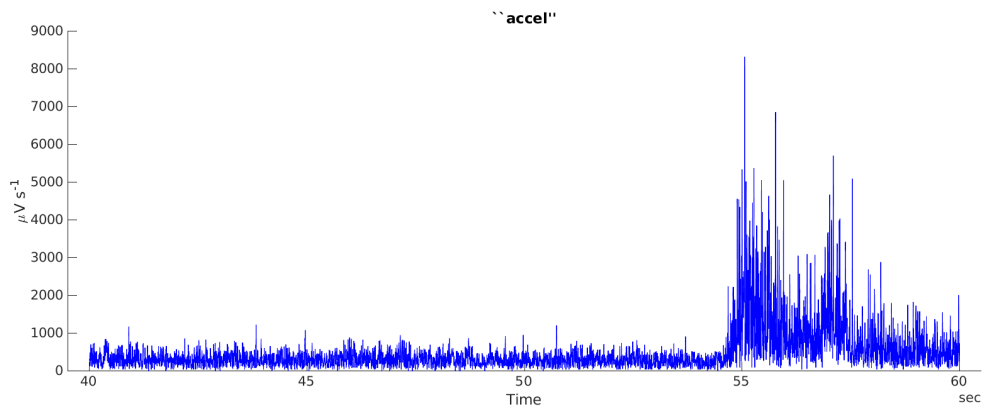
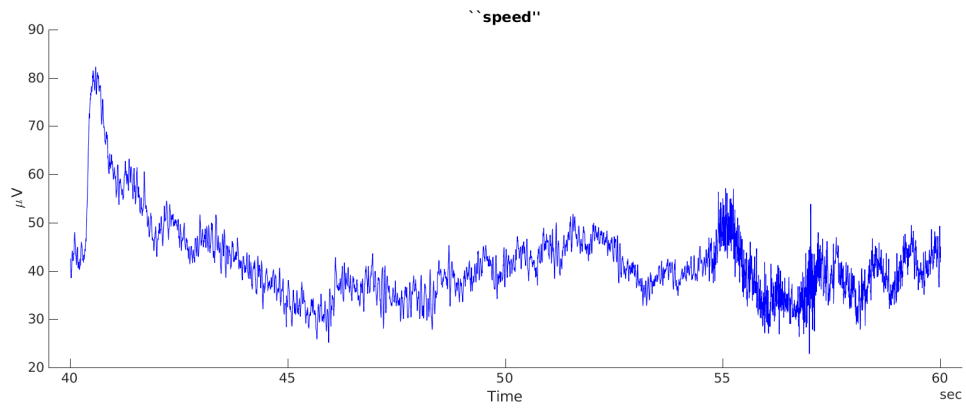
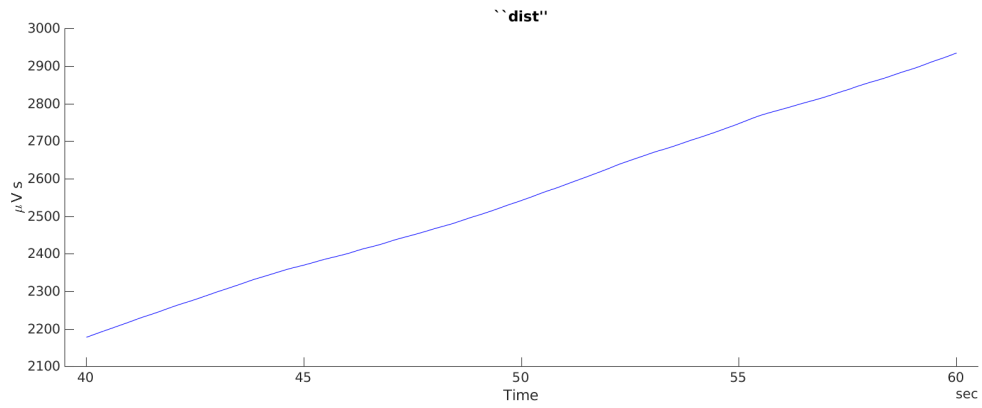
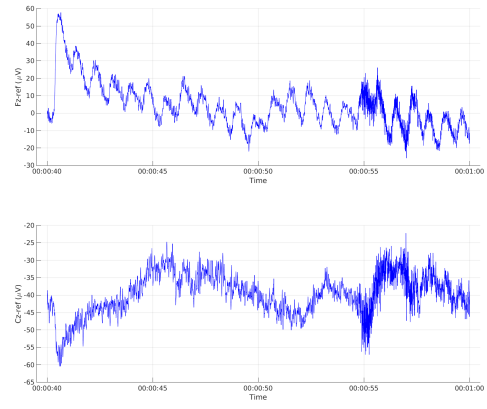
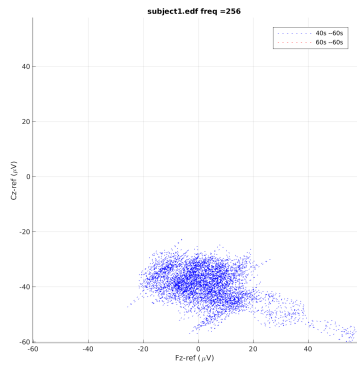
For this first report, I'll only consider LE montages with generalised seizures and only look at Fz, Pz, and Cz electrodes

Plots below are snippets of regions of interest in the TUH dataset.

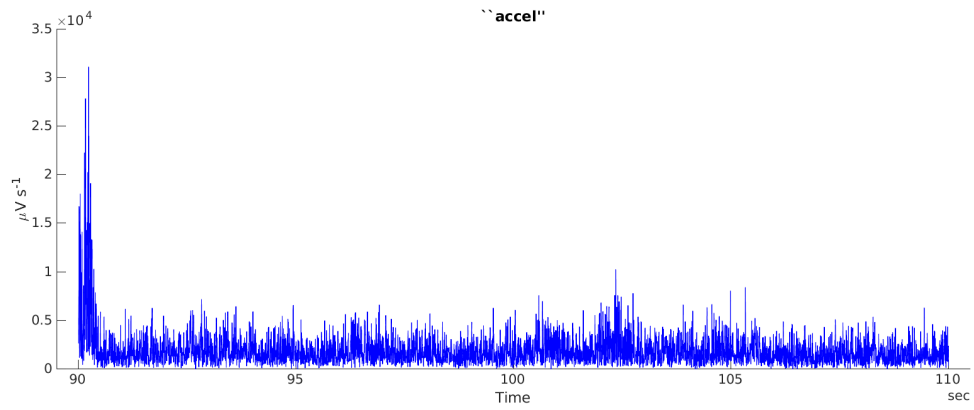
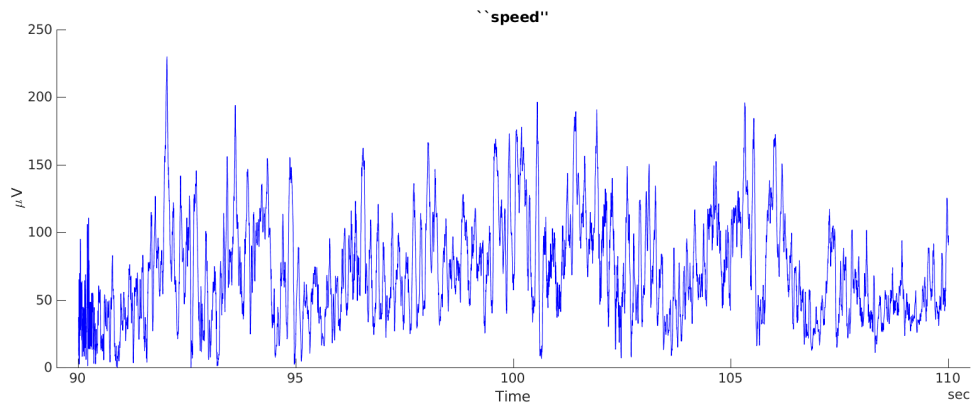
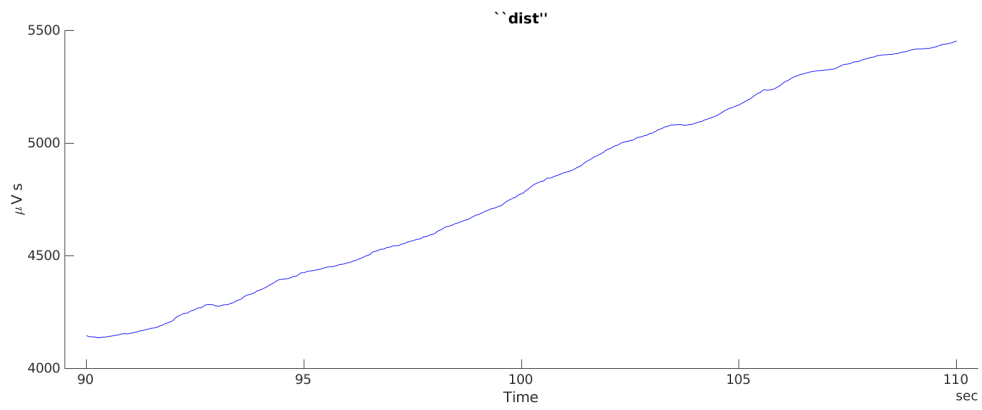
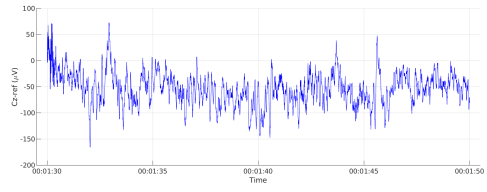
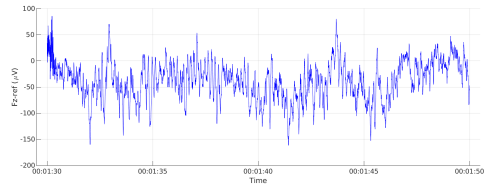
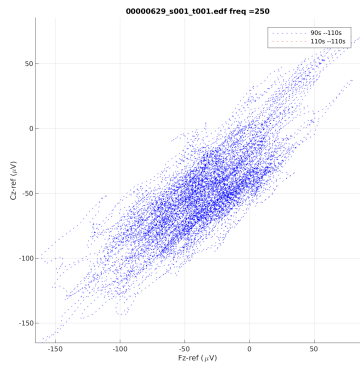
- Blue: "non-seizure" activity
- Red: "seizure" activity

Determining this transition is a highly subjective process of inspection by a mathematics PhD student with limited knowledge on EEG analysis, guided by the annotations accompanying the data.

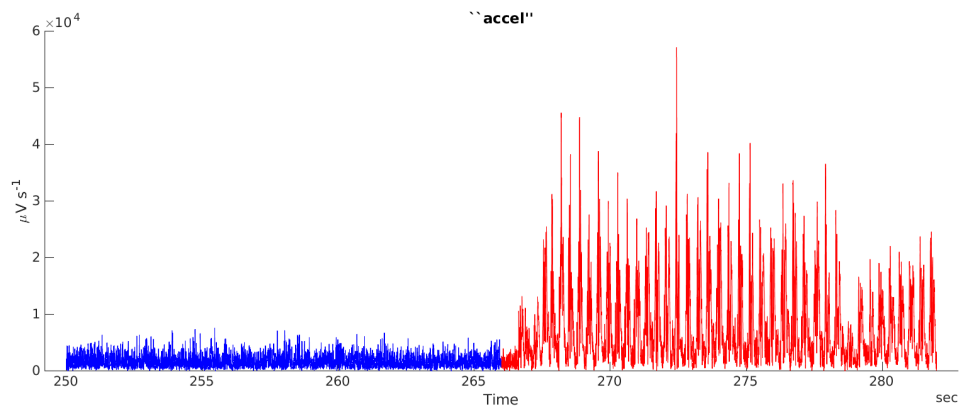
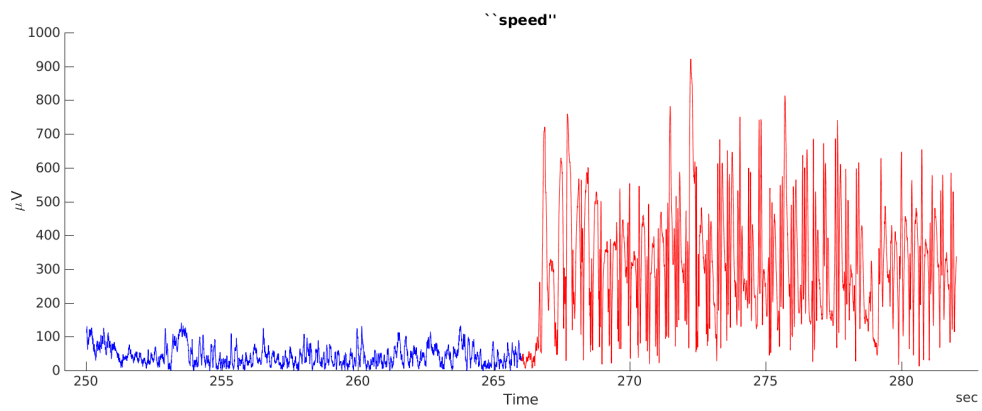
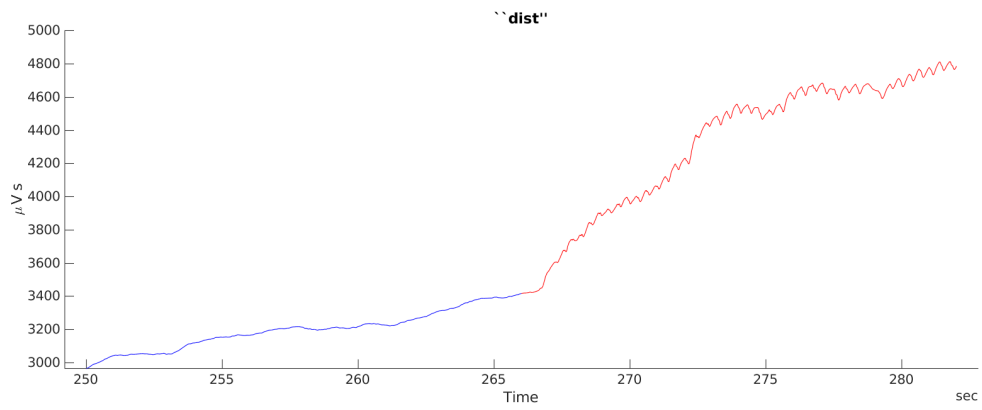
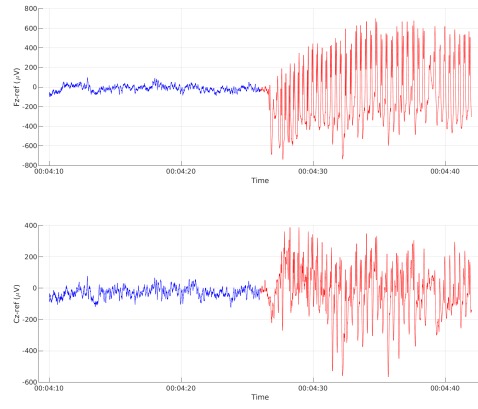
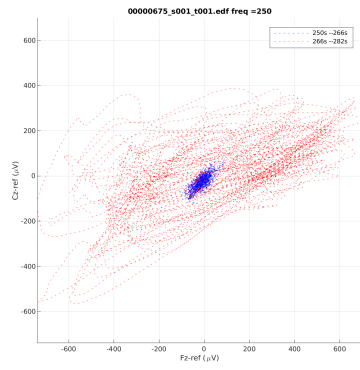
[FIG01] : subject1 (FROM SEPERATE DATASET) : non-epilepsy example



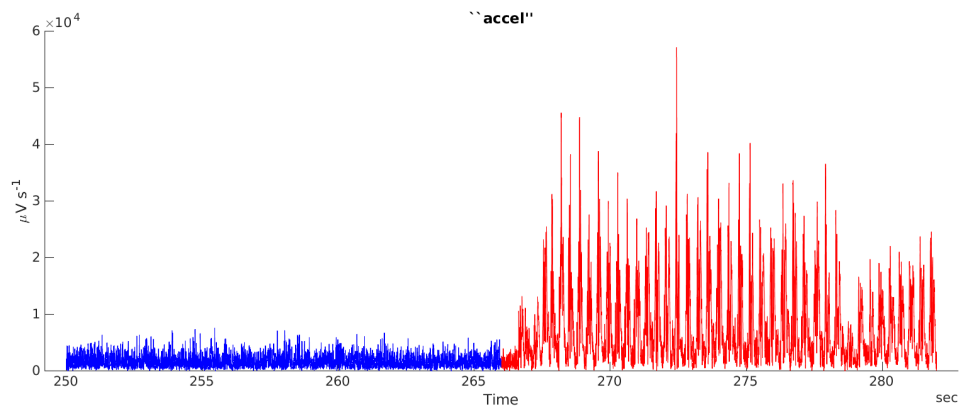
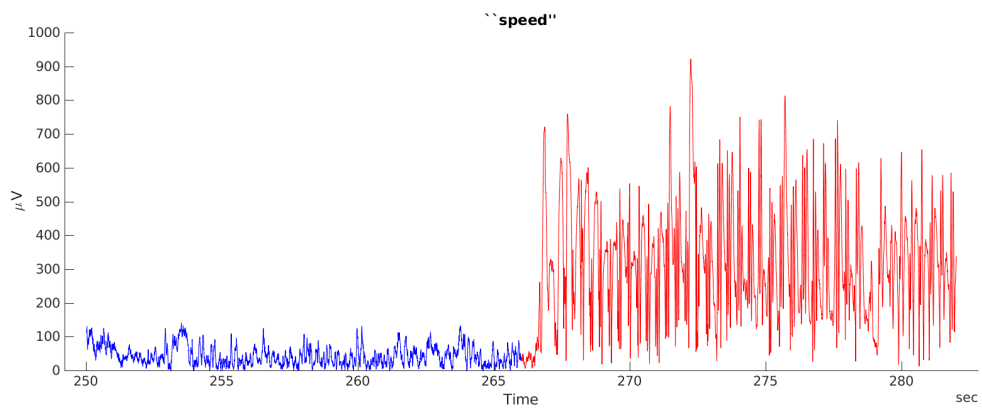
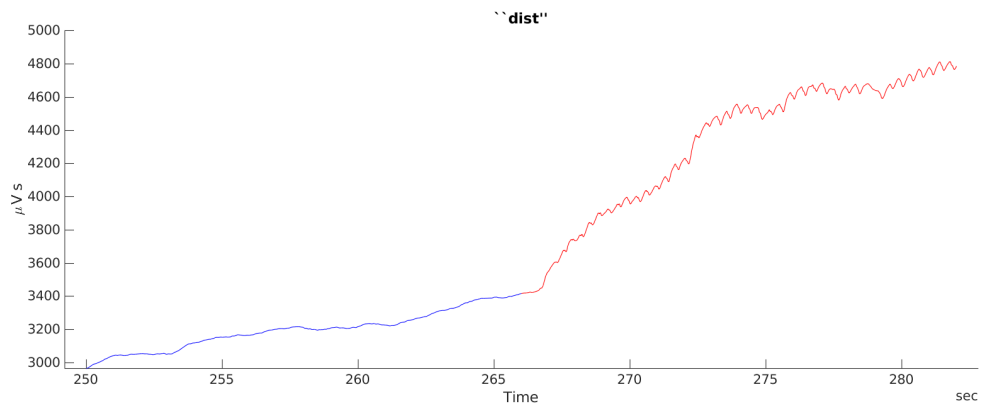
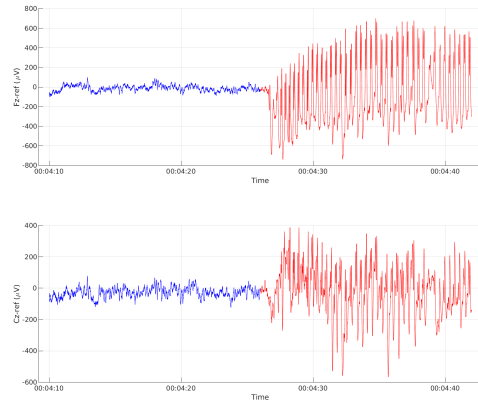
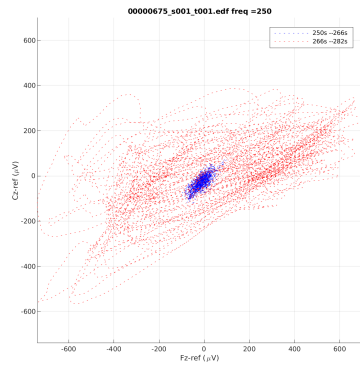
[FIG02] : 00000629_s001_t000 : background slowing



[FIG03] : 00000675_s001_t001 : Absence seizures

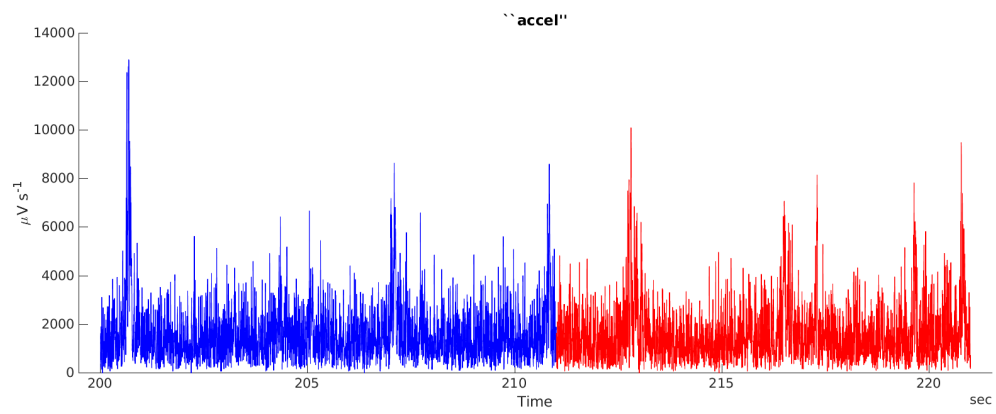
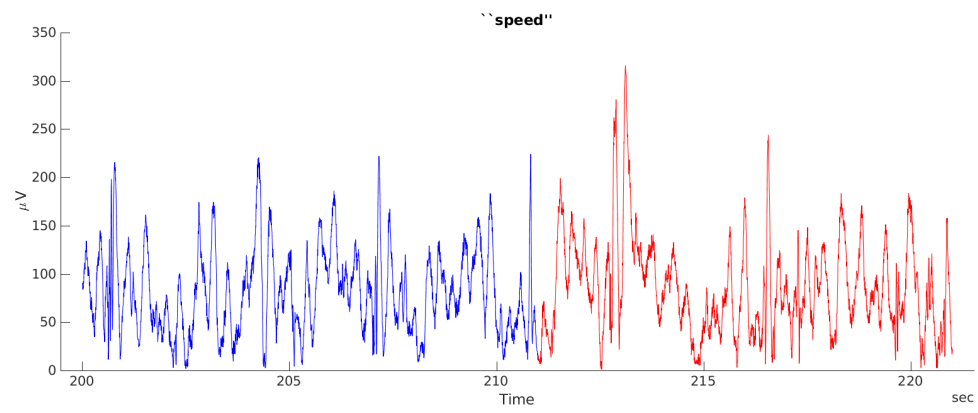
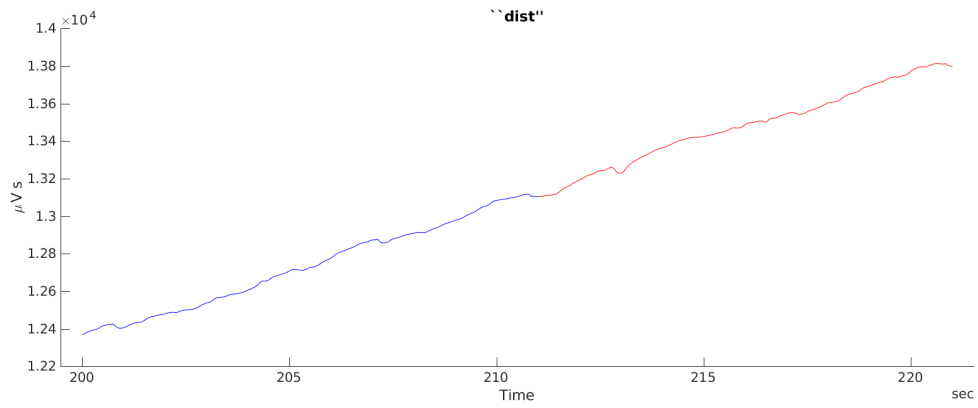
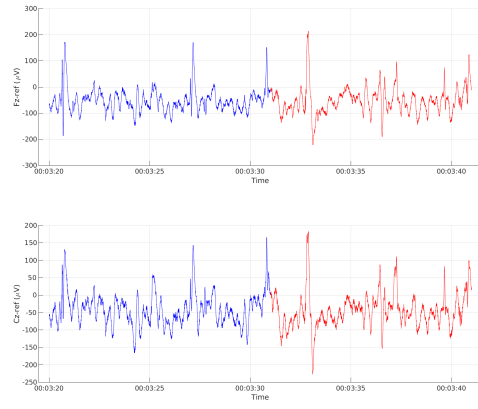
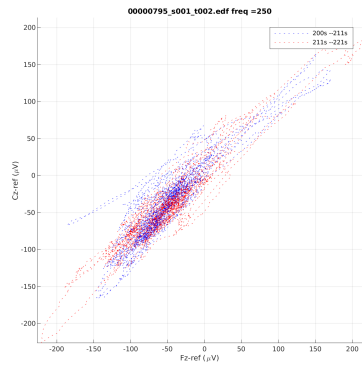


[FIG04] : 00000675_s002_t001 : Absence seizures



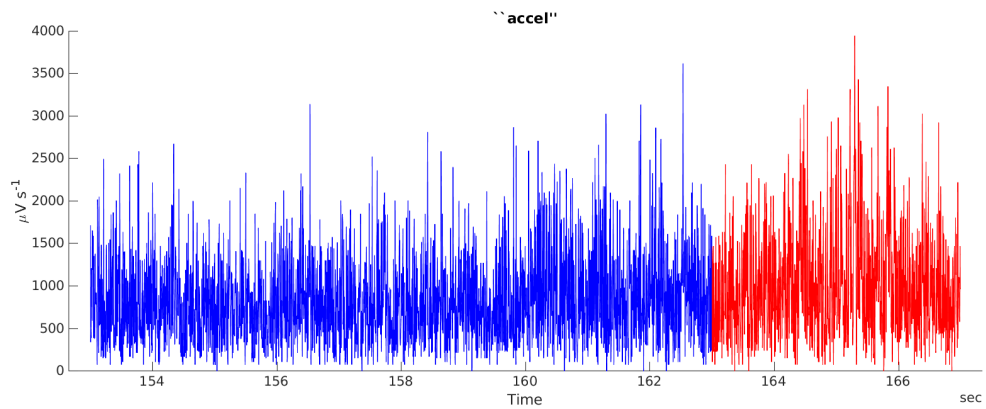
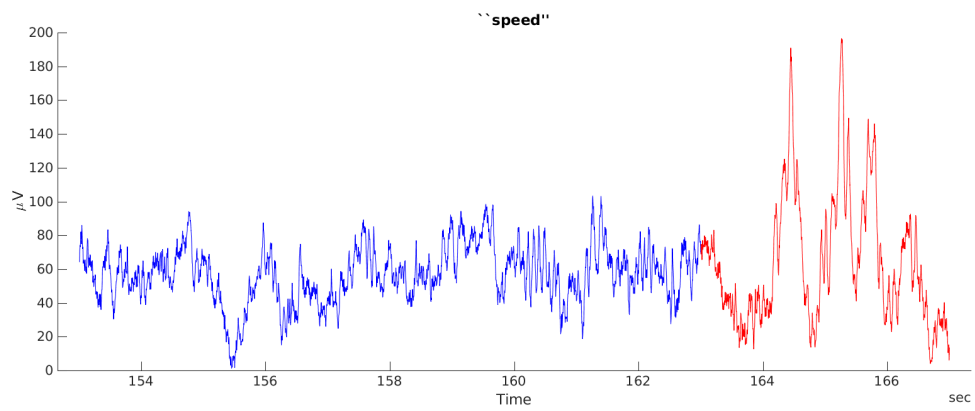
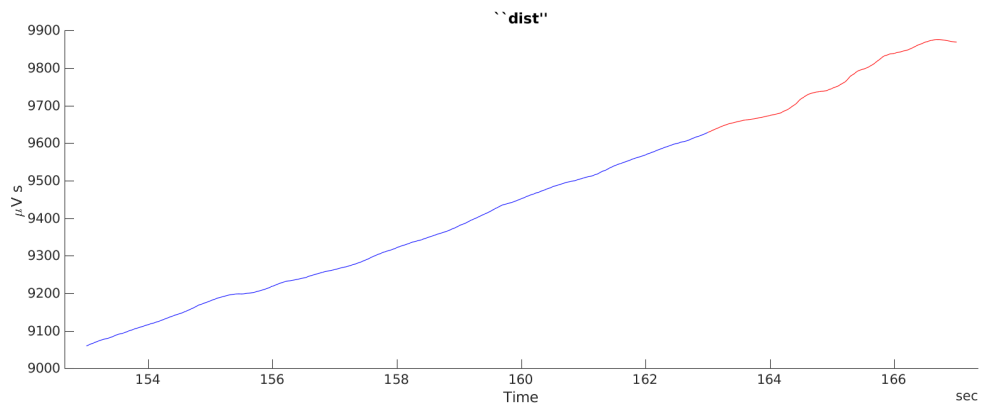
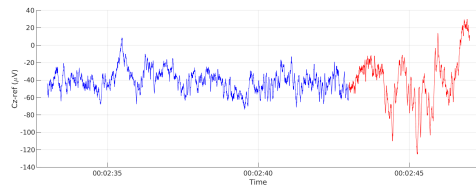
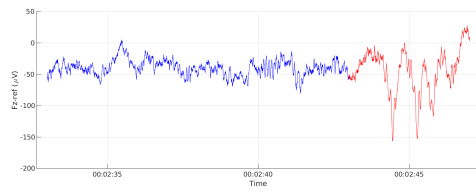
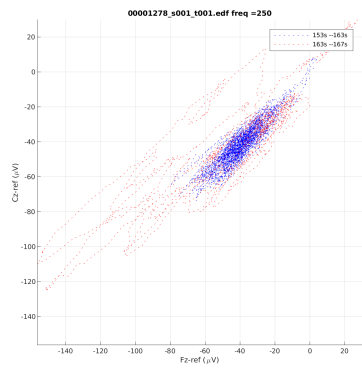
[FIG05] : 00000795_s001_t002 : background (spike and waves)

- Spikes in red, but difficult to tell apart from preceding activity, same "magnitude" of migration



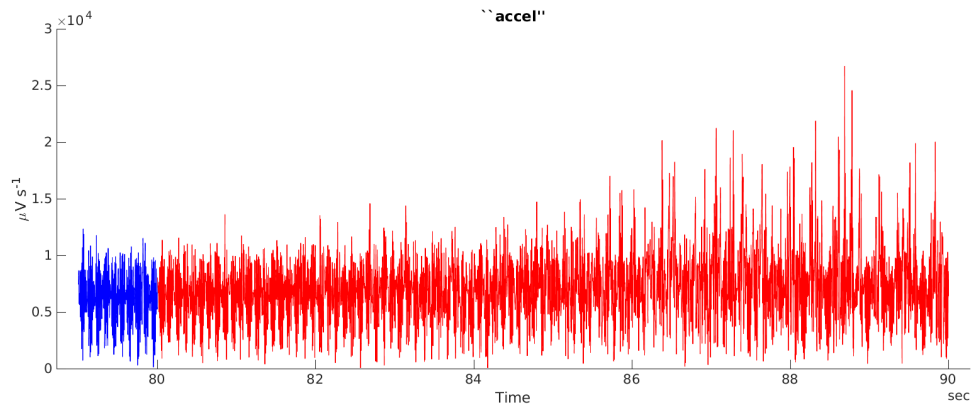
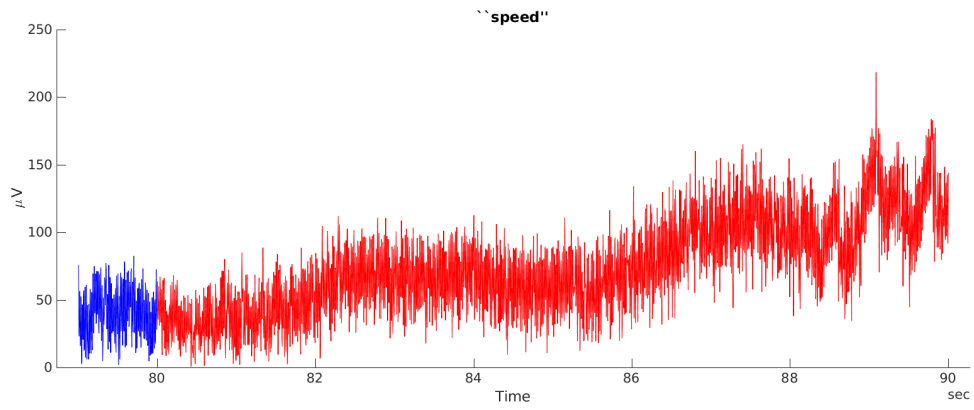
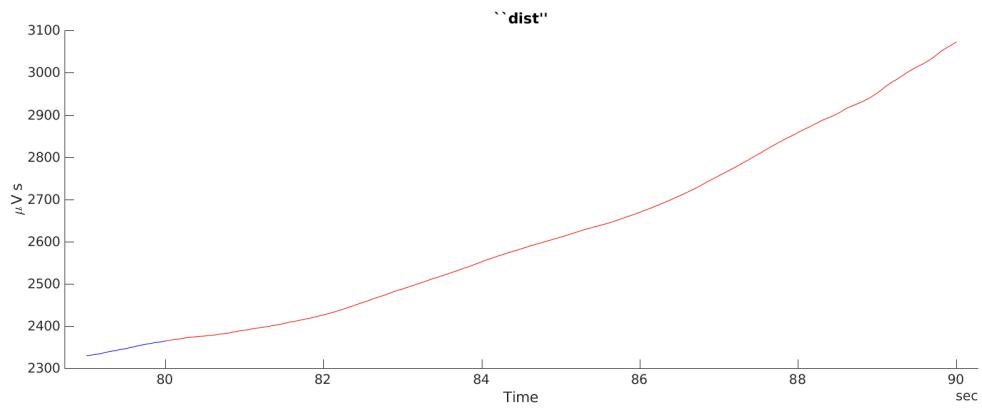
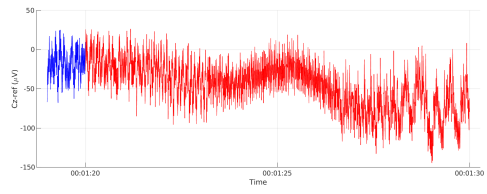
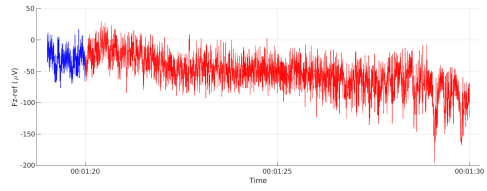
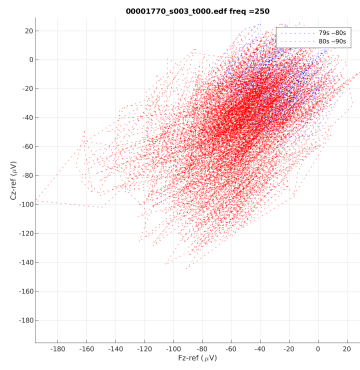
[FIG06] : 00001278_s001_t001 : generalised slowing

- Spikes and waves in red



[FIG07] : 00001770_s003_t000 : Tonic clonic seizure

- Most of this record is seizure, but doesn't show up much on EEG



[FIG08] : 00001981_s004_t000 : background

- (spike-wave in red)

[FIG09] : 00001984_s001_t001 : absence seizures

(Left off at `./edf/dev/02_tcp_1e/022`, this should be a good initial sample)