

## Tentative analysis for spectrum temporal variation of low frequency tremor

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The low frequency tremor has been detected by high sensitive and high condense seismic network readily in western Japan. However its source mechanism are still unknown. The key for understanding mechanism are source location and source spectrum. Our group operate two temporal broadband seismic stations which locate around Bungo Channel, one of active low frequency tremor region. We surveyed running spectrum of continuous seismic data. We noticed two type of spectrums. One type is broadband type which covers from around 1Hz to some Hz. The another type is narrowband type which dominates around 3 to 4 Hz. This means that this source of low frequency tremor is not unique. In the running spectrum, more lower tremor-like signal area also detected. However the amplitude is comparable to background noise in time series data. The distribution of amplitude shows that the source of lower tremor-like signal locates around the Bungo Channel.