

# Source spectrum of low frequency tremor and interaction between the tremor, very low frequency earthquake and slow slip

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Recently the varieties of seismic sources and geodetic variations have been recognized by the modern instruments and high density network. The common feature of newly recognized phenomena is relatively slow variation. We are challenging two themes to target collective understanding of these events. We installed broadband seismometer to record low frequency tremor at its genetic zone and evaluate the source spectrum. The other approach is automatic search of very low frequency earthquake in tremor genetic zone. We will discuss the interaction between tremor, low frequency earthquake and slow slip.