
SCG085-05

Room: 201B

Time: May 23 16:22-16:35

Attempt to obtain separations of discrete deep low frequency tremor with coda wave interferometry

Masatoshi Miyazawa^{1*}, Kazuaki Ohta², Satoshi Ide²

¹ERI, Univ. Tokyo, ²Grad. School Sci., Univ. Tokyo

We attempt to obtain separations between discrete episodes of deep low frequency (DLF) tremor from the coda waves. Since the DLF tremor has emergent arrivals, it is still difficult to pick P and S wave arrivals to obtain the source location and constrain the separations. Assuming each DLF tremor has a similar mechanism and occurs close to one another, we use the coda parts of the observed wave trains and apply coda wave interferometry (Snieder and Vrijlandt, 2005). The result shows that the DLF tremor sequence occur within an interval of about 100 m when the each discrete episode has duration of about 10 s.

Keywords: deep low frequency tremor, coda wave interferometry