Space-Time Distribution of Moment Release Along the Kuril Trench And Anomalous Seismic Events

Tetsuya Komori[1], Ichiro Kawasaki[2]

[1] Earth Science., Toyama Univ, [2] Earth Sci, Toyama Univ.

In the first step, a space-time distribution of seismic moment release of seismic events of Mw7.5 or greater along the Kuril trench is obtained. In the second step, comparing wave energies between group velocity ranges of 2.0km/s-3.0km/s and 3.0km/s-4.0km/s, some anomalous events that released larger wave energy in the group velocity range of 2.0km/s-3.0km/s are identified. These anomalous events occurred in the trench side of the continental slop and seems to fill the unreleased part of the space-time distribution in one segment off Etorofu.