

Microtremor and after shock observation at Anamizu Town and their comparison

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Microtremor and after shock observations were performed at Anamizu Town from 3 to 5 on April, 2007. Spectral ratios of after shocks observed at ISKH05(Kik-net) and ISK005(k-net) observation sites installed by National Research Institute for Earth Science and Disaster Prevention(NIED) were compared with those of microtremors measured at the same sites. Those spectral ratios have same predominant period at about 2.5 Hz. It means that sites effect for seismic motions can be estimated from microtremore characteristics. Microtremore observations were performed at HOJ and MGU site, down town area and outskirts of the town during 24 hours. Sites effects or transfer function were estimated by these data. During microtremor measurement some after shocks were also observed at four sites. Seismic motions at these sites were calculated from strong motion records observe at ISKH05 and ISK005 observation sites. Estimated strong motions at HOJ and MGU by this method were compared with those observed.

