Ss-P005 Time: June 6 17:00-18:30

Characteristics of Hi-net -Waveform comparison of Hi-net and KiK-net-

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In high sensitivity seismic stations of NIED, high sensitivity seismographs and strong motion accelerographs are installed at the bottom of boreholes and are recorded in their own observation systems: Hi-net and KiK-net, respectively. To investigate differences of characteristics of two seismic observation systems, real waveform data recorded for the same earthquake are compared in frequency domain. We found that Hi-net waveform data contain nearly the same information about ground motion of KiK-net waveform for a frequency range of 0.3 Hz to 20 Hz as long as Hi-net waveforms are not saturated. This result indicates that Hi-net waveforms that are collected with quasi-real-time have a potential as complement of KiK-net waveforms.