

Utilization of K-NET data in Central Disaster Management Council

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Central Disaster Management Council is making master plan for disaster prevention and deliberating important part about disaster prevention. And Central Disaster Management Council establishes committees for technical investigation to investigate a technicality. We are able to find mentioning about use of K-NET in the reports which the committees for technical investigation on earthquake disaster issued. For example, the records which acquired by K-NET are compared with synthesized waveforms on the report issued by the "Committees for Technical Investigation on Countermeasures Against Tokyo Inland Earthquake". Observed data by K-NET are useful to evaluate the subsurface structures. Yokota et al. (2011) evaluated the amplification of long-period component of seismic records, and confirmed that the natural period which calculated from velocity structures related to the amplitude of long-period component of ground motion. The relation was that the longer the natural period at the observation station was, the larger the amplification of long-period component of observed record was. We introduce the trend of use of the above-mentioned K-NET data.

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