

New-development of real-time seismic waveform viewing system feeding from DONET

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Jamstec-Ocean seismological database-Integrated byNetwork data (team JOIN) is started since 2012, with the purpose of developing an earthquake research information database through the integration of discrete database, such as real-time earthquake study and lithosphere structure research catalogue. JOIN is consist of three divisions, 1) seismological study using DONET (Dense Ocean-floor Network for Earthquake and Tsunamis) data, 2) sub-structural study for nankai-tonankai earthquake area, and 3) data-management and open to public for oceanographic data acquired JAMSTEC equipment. These can lead not only scientific but practical outreach, consequently, disaster prevention of each local government.

We have developed web-based real-time monitoring system of strong motion and pressure sensor of DONET observatory network, this is user-friendly tool for servant service of disaster prevention department.

Trial operation with the monitoring system is undergoing for a few government close to nankai-tonankai area, aiming full-scale operation which will start from April 2014.

Technical summary of this system will be introduced.

Keywords: DONET, database, real-time trace view, outreach for local government