

Measurements of Hi-net borehole thermal gradient by the Fiber-Optic thermometer

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National Research Institute for Earth Science and Disaster Prevention (NIED) deploys the high sensitivity seismograph(Hinet) across the all of Japan, as part of the activities of the Headquarters for Earthquake Research Promotion.

At Hi-net stations in Okayama and Ibaraki Prefecture, the thermal gradients of these borehole were observed by Optical fiber. It is proved that Optical fiber is an accurate sensor.