

New approach of the earthquake prediction using by real time monitor of F-net and GPS

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http://www.asahi-net.or.jp/~xr2t-fksm/sizen/zisin/zisin_main.html

We process data of broadband seismometry network showing in NIED from July, 2006 as a chronological order graph and show it on Internet.

A pattern is watched in each observation point in a period for half day of earth tide. In addition, this pattern is congruent with the tide level change provided by the Japan Coast Guard. We confirmed that there was occasionally a case to be out of the amplitude of earth tide greatly. In this case we were similar and understood that there was the case that an earthquake of a M4 class occurred in observation point neighborhood.

Figure1 is a record of F-net Nemuro of earthquake before and after of M3.7 that rose at Nemuro Peninsula southeast, 68km deep on September 7, 2006. A green line expresses a speed ingredient of an up-and-down motion seismometer in F-net Nemuro. The amplitude to exceed an everyday earth tide pattern from the front for half day was observed, and an earthquake occurred afterwards in several hours.

