S3-P001 Time: June 6 17:00-18:30

The preliminary rupture of 2000 Tottori-ken seibu earthquake

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The earthquake with Mj 7.3 occurred in the western part of Tottori prefecture. A clear preliminary rupture preceding large rupture of the main shock was detected by KIK-net and other strong motion data. The duration time, T=3 second, satisfy the empirical relation LogT=0.5M-3. Magnitude 6 of preliminary rupture was estimated from the average velocity wave amplitude ratio of the preliminary and second rupture. After the preliminary rupture propagated 7 km to south-east and deep direction, second large rupture started.