

Aftershock distribution of the 2000 Tottori-ken Seibu Earthquake determined precisely by dense aftershock observation

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We carried out a dense aftershock observation of the 2000 Tottori-ken Seibu Earthquake (2000/10/06 13:30, $M_j=7.3$). The observation started on 13 October and continued for one and half month. The main purpose of the observation is to make the relations clear between the source process of the main shock and the aftershock distribution, the 3-D structure of the source region, and focal mechanisms of aftershocks. We deployed 59 temporary stations and combined the waveform data with those from 13 permanent online stations.

We are picking up P and S arrival times and the polarity of the first motion from the waveform data of selected 1,000 aftershocks. We will discuss the relation between precisely determined aftershock distribution and the source process of the main shock.