

## Observation of postseismic deformation by a single frequency GPS array in the aftershock area of the Tottori-ken Seibu Earthquake

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To observe the postseismic deformation a dense GPS array which was composed of one-frequency portable GPS systems was deployed in the aftershock area near the epicenter of the Tottori-ken Seibu Earthquake (M: 7.3). Observation in the part of the network was carried out until the end of October, and that of the other part until the end of December. When we analyzed the GPS data, Bernese GPS Software were used with IGS precise ephemeris. When the site on the western side of the fault was fixed, we got the horizontal displacement vector about 1 to 4 cm/month. This pattern of displacement vector is as nearly same as that of the coseismic displacement. It seems that after slip may occur on the fault.