

## Crustal deformation of Tarumai Volcano, Japan, from GPS during 1999-2000 and volcanic activity

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We made a high density crustal movement observation net in Tarumai-san. Number of sites are 16. Repeated crustal movement observations using many single-frequency-type GPS were carried out in July and October, 1999 and August and October, 2000. Remarkable crustal movement was detected in and around the vicinity of the summit lava-dome. The pressure source estimated by Mogi-Model was just below the summit lava-dome. The depth of source was about 310m under the surface.