

Crustal deformation in eastern part of Izu peninsula in 1998 observed by dense GPS network (2)

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In order to observe the crustal deformation caused by volcanic and/or earthquake swarm activity, we develop the new GPS observation system. This system is small, cheap and low power assumption. The test observation in Ito city started in September 1997. The crustal deformation accompanied with the swarm activity, which began in April 20, 1998, was observed in high resolution of space and time. The observed deformation is able to developed into two parts, one is caused by volcanic activity, the other is caused by large earthquake.