

Crustal deformation of the time delay accompanied by swarm-earthquakes activity of 2000 Miyake to Niijima and Kozu islands

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Remarkable crustal deformation was observed by GPS and VLBI in a wide area associated with the big swarm activity that started on June 26, near Miyakejima island. We show that the deformation in the Boso peninsula was delayed compared to the extension between Kozushima and Niijima islands that are located nearer to the source region. It is seen as well that the delayed time has a tendency to increase with the progress of the deformation. This observation is considered to reflect a visco-elasticity of the crust and upper mantle.