

## Spatio-temporal Gravity Variation During the 2000 Volcanic Activity of the Miyake-jima Volcano, Japan

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We report the repeated hybrid gravity measurements on the Miyake-jima volcano since July 2000. One year gravity variation together with crustal deformation data enables us to present a plausible model for each volcanic stage. Gravity data will give constraint on the quantity and location of the transported mass associated with the collapse of the caldera.