

## Ground deformation at Suwanose-jima volcano as viewed from ALOS/PALSAR InSAR

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Suwanose-jima volcano, one of the most active volcanoes in Japan, has been continuing its activity since 1957. In order to clarify the magma plumbing system of the volcano, we analyzed ALOS/PALSAR data observed from Dec. 2006 to Jan. 2008. The results seem to show no ground deformation in the volcano in spite of its eruptive periods. Some hypotheses can be proposed: the magma ascents without the ground deformation, there is no magma supply in the period, etc. We have to monitor the crustal deformation using InSAR for the long period in the future to clarify the magma system of Suwanose-jima volcano.

