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SVC063-P14

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## Ground deformation preceding eruption at Showa crater of Sakurajima Volcano

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Sakurajima volcano began to erupt at Showa crater in June, 2006, after 58 years of dormancy and repeats vulcanian eruption since February, 2008. Preceding these eruptions, the ground deformation which indicate the accumulation of gas at the top of conduit was observed (Iguchi et al.,2009). This result is used for the prediction of eruption. Japan Meteorological Agency began to issue Volcanic Alert Levels classified into five levels in terms of the target area and action to be taken since December, 2007. Therefore it is important to predict not only eruption but also the area eruption influences. We report the character of ground deformation preceding eruption at Showa crater.