

Newly established ground deformation monitoring system on the Fuji volcano

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Ground deformation system on the Fuji volcano (3,776m) was established to get the basic information of how to estimate the time and location of the next eruption. GPS and EDM measurement system of both automatic and manual method were set on the volcano, which altitude were from 1,000m to 3,400m above the sea level. The GPS instrument was set on the four locations both on the northwest side and on the south east side to measure the deformation which should be caused by the northwest-southeast trending dike intrusion of ascending magma. The EDM instrument was set on the two locations on the southeast slope to measure the deformation around the Hoei crater which caused the last eruption on 1707. No large deformation was detected in this system until January in this year.