

## An estimation method for the amount of fall-out ashes using the photo images

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When the volcano erupted, to estimate the eruptive mass of magma is important in revealing the scale of the eruption. However, in order to estimate the amount of fall-out ashes, it requires many field works. In these days, it is possible to know the appearance of fall-out ashes to immediate through the Internet media such as SNS. In this study, we conducted field survey at the time of actual fall-out ashes from Sakurajima and Aso volcanoes. Also it was carried out fall-out ashes from Sakurajima volcano measurement by experiment. And we tried estimation method for the amount of the fall-out ashes using the photo images. From the images obtained by the fall-out ashes measurement by experiment, it can be said that it is possible to grasp weight per unit area of approximately.

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