

Chemical monitoring for the volcanic activity

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Monitoring for the prediction of small scale eruption must be investigated. Many precursory chemical anomalies were observed for different type eruption. In the case study at Kusatsu-Shirane and Meakan volcanoes, changes in chemical composition of fumarolic gases were observed before the eruption by repeated spot analysis with variable time intervals. Periodical chemical observation will be one of useful monitoring methods for small scale pheratic explosion.