

Monitoring CL/SO₄ ratio of volcanic gas at the summit of Mt. Aso

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We monitored the chemical composition of volcanic gas by alkaline trap method at the summit of Mt. Aso, Kyushu in Japan. The measurement was started on November, 2002. Bottles of the alkaline solution were changed every 2 weeks to 2 months. Cl/So₄ ratio fluctuated between 0.02~0.5, which showed high value between October 2003 and April 2004. In this period it is interesting that the volcanic activity was high and the water level of the summit lake was low.