

Development of portable SO₂ flux meter (3): evaluation of observation methods

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We have been developing a portable SO₂ flux meter using DOAS (Differential optical absorption spectroscopy) method. We report here the preliminary condition of development of this apparatus, some test results at Sakurajima, Asamayama, Satsuma-Iwojima volcanoes, and the comparison of results between this apparatus and COSPEC. The problems on monitoring a high concentration SO₂ at Miyakejima volcano will also be presented.