

Estimation of focal region of volcanic tremors which occur at Iwate Volcano by array observation

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We carried out seismometer array observation from July until November in 1999 at the northern part of Iwate Volcano at Matsuo Village, Iwate Prefecture, Japan. The semblance analysis were carried out for volcanic tremor data obtained by Nakamiti et al. (1998) and those obtained by our observation. As the result, the arrival direction of volcanic tremors which occur from 1998 to 1999 showed the south direction. If we assume that the epicenters are located at Mt. Iwate, the hypocenter was estimated at the around 1000m depth from the surface in the epicenter.