

Infrasonic observation near the crater of Miyake volcano

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At Miyake volcano, the activity has been high since the eruption in 2000. We sometimes observe low-frequency seismic waves with infrasonic waves repeatedly. We have installed one temporary station near the Miyake crater for the purpose of the observation of infrasonic waves related to low-frequency earthquakes since last October. We have recorded on data logger with a sampling rate of 100Hz, and observed several infrasonic waves whose polarity of first motion are dilatational.

We report the characteristics of infrasonic waves and the mechanism of low-frequency earthquakes.