

Seismic activity of Mt. Ontake volcano by multipoint observation test data at summit

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We developed a portable seismic telemetry system. This system is compact size, and the consumption electricity is small (Horikawa et al., 2017VSJ). From October 2017 performance test of this system has been carried out in the summit region of Mt. Ontake volcano. 10 seismic observations were installed, but the data of 5 observations are not usable from various trouble. 5 observations are operating now.

Hypocenter determination for earthquakes occurred around Mt. Ontake volcano is made by using the performance test data and the seismic networks of Nagoya University and Japan Meteorological Agency. The number of determined earthquakes was approximately 170 in three months from November, 2017 to January, 2018. Most of earthquakes were located near the craters of the 2014 eruption, and those depths were close in sea level or were shallower.

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