

## Hypocenter distribution at Mt. Ontake before the 2007 small eruption

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The activity of Mt. Ontake became active from the end of December in 2006. And the number of earthquakes occurring a day achieved peak in the middle of January on 2007(JMA, 2007). Mt. Ontake erupted in March on 2007. Before the eruption, volcanic earthquakes were observed at the stations around Mt. Ontake. The hypocenters that had occurred from January to March in 2007 were determined once (Nakamichi et al., 2007). But it was not so accuracy. So I determined the hypocenters of each earthquake again. I determined hypocenters using WIN program by reading out the arrival time of P-wave and S-wave. The data were obtained from seismic stations locating around Mt. Ontake. By determining the hypocenters of earthquakes, we might see how the fluid has moved under the mountain before the eruption.