

## Temporary seismic observation around the summit region of Mt. Ontake in the fall of 2007 and hypocenter relocation

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The seismic activity at Mt. Ontake had been active from the end of December, 2006 to March 2007. In the middle of January, the seismic activity of Mt. Ontake was very high, and a small eruption occurred late March. The hypocenters in the period have already determined. However, stations in the summit region of Mt. Ontake had been down. Since the depths of the hypocenters lack accuracy, we add data from 2 stations we operated from August 30th in 2007 to October 18th in 2007 in the summit region of Mt. Ontake to those of permanent stations and relocated hypocenters. After that, we determined the locations of hypocenters without the data of the stations in the summit region and compared the depths to those with the data of those. We also relocated the hypocenters using the station correction method and obtained the more precise locations of earthquakes.