

## Change in seismic activity in and around the Ontake volcano

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The characteristic features of the seismic activity in and around the Ontake volcano are as follows:

- 1) Shallow events just beneath the volcano.
- 2) Aseismic area around volcano with the radius of 6 to 7 km except the above activity.
- 3) Swarm activity on the southeastern foot of the volcano since 1976. This activity did not change at the 1978 volcanic eruption. This activity expanded to the east or to the north.
- 4) The 1984 western Nagano earthquake with magnitude of 6.8 and its aftershock sequence. This event occurred in the swarm area.

Though these seismicities are considered as the succeeded activities with the volcanism in the tectonic scale, we have not yet clarified their relation and the tectonic mechanism.