

Seismic observation in the top of the Mt.Ontakesan

Iwao Fujii[1]; Fumihito Yamazaki[2]; Mamoru Yamada[2]; Koshun Yamaoka[3]

[1] RCSVDM,Nagoya Univ.; [2] Res. Ctr. Seismol. & Volcanol., Nagoya Univ.; [3] RC. Seis. & Volc., Nagoya University

Main seismic activities and volcanic activity of Mt. Ontakesan are as follows. (1) Earthquake swarm activities in foot of mountain since 1976. (2) The summit eruption 1979. (3) Earthquake in $M=6.8$ in 1984 and the aftershock. It is active even in the inside in Chubu District for the activity. In Nagoya Univ., steady observation point in the 6 points has been established around foot of mountain in order to watch this activity. This time, by the cooperation of disaster prevention organization in both local government in Gifu Prefecture and Nagano Prefecture, the data of the earthquake was used within the volcano disaster prevention relation data, and it would be only kicked. 5 observation point in this local government was added to the observation network of the university, and it would have the observation point in 11 points in Mt. Ontakesan foot of mountain. Then, coalescence and processing with some observation network data has already been started. Further elucidation of the detailed mountain body structure in Mt. Ontakesan is expected by this. The seismograph of the summit is explained. The observation environment may be very severe of 3000m of the summit volcanic. Though it was installed in the autumn the year before last, instruments were destroyed by the damage from the intense thunderbolt, and there was no performance even on riding across the winter. Then, this severe observation environment was reviewed last year. The system was rebuilt considering the damage from thunderbolt and snow, and the end September was reinstalled. It is thankful for effort of the disaster prevention party of both local government whom it would receive data offer.