

## The seismicity in Hakone volcano

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In this paper, the seismicity in Hakone volcano is investigated in detail on a basis of precisely determined hypocenter by the HSRI during the period 1990-1998.

Characteristic seismicity are summarized as follows. (1)The Hakone volcano has a remarkable seismicity, where many earthquake swarms have occurred under the central cone. The focal depths of these swarms are much shallower than 6km. (2)In 1994, an M4.8 earthquake with focal depth of 6km occurred at the southern part of the Hakone volcano where Kita-Izu fault systems cross the somma of Hakone volcano. The focal zone of this M4.8 shock was clearly separated from the earthquake swarm area under the central cone mentioned above. (3)Low frequency earthquakes observed Kintoki Mt. with focal depth of 20km.