

Seismic observations around an active vent in Goshogake geothermal area

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Seismic observations were carried out around an active vent in Oyunuma pond, Goshogake geothermal area on the east of Akita-yakeyama volcano, northeastern Japan. This observations were made in order to describe tremor activities, around the most active vent in this area. The vent locates on the west flank of Oyunuma pond. Active phase and dormant phase appear alternatively within several ten minutes in the vent. At the active phase, mud spatters are sometimes blow up to several meters high. The vent is assumed to have been developed within recently because this does not appear in the report by Ehara and Kitamura(1985). Seismograms show steady amplitude against any events. The running spectrum shows a steady peak around 10 Hz for vertical component of the seismograms at the stations near the vent.