

On a relation between fumarolic temperature and atmospheric pressure (3) Characteristics of the Ubakura Fumarole, Iwate Volcano

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Relation between fumarolic temperature and atmospheric pressure is examined at Ubakura, Iwate Volcano. It was found that there was no correlation between them, and that fumarolic temperature is higher than boiling temperature calculated from the atmospheric pressure. This result is obviously different with the previous result in Iwo-Yama, Kirishima Volcanoes and Kusatsu-shirane Volcano, which has close relation between them. Anomalous change in the fumarolic temperature was also found in Ubakura related with the change of the seismic activity. This evidence may suggest that fumarolic gas of Ubakura be supplied from deeper part reflecting the volcanic activity.