

## Ground vibration observed at Kibedani Geyser, Shimane Prefecture, Japan

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In Kibedani Spa, Shimane Prefecture Japan, there is a geyser which erupt water up to 2m high by pressure of carbon dioxide. Ishii et al. (1998) reported that 1) Time interval between eruptions is about 29 min., and time interval during an eruption is about 5 min. The fluctuations of these intervals are very small. 2) Shallower and deeper water are found during a eruption by temporal change of water temperature. 3) Periodic ground vibrations are observed. In this study, we determined source locations of ground vibrations. As a result of the analysis, shallower and deeper source of ground vibrations are found. This fact corresponds to the fact that shallower and deeper water are found during a eruption.