## On the H<sub>2</sub>S concentration continuous observation at Kurikoma volcano

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urikoma volcano is active volcano located on junction of miyagi, akita, iwate prefectures. Phreatic explosion occurred in 1944 and 1744, it generated acid water descended on the iwai river triggered by phreatic explosion.

Active fumaroles can have been observed along the ohjigoku-dani valley and showa crater, especially, trails are maintained along ohjigoku-dani valley, and many climbers are exposed to volcanic gas.

We installed the environmental h<sub>2</sub>s sensors which called "odalog" (http://www.jmsystem.co.jp/kazan/odalog.html) in order to ascertain concentration of h<sub>2</sub>s along the trail and beside the showa crater during june, 6 to october, 3, 2018.

The result of our observation, high concentration  $h_2s$  gas can been observed, especially, instantaneous maximum concentration can have been observed 334ppm at showa crater, and 38ppm at ohjigoku-dani valley. It is necessary to take immediate measures against volcanic gas for climbers.

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