

Phreatic eruptions of Meakandake volcano occurred in November 2008 and related volcanic activities.

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Meakandake volcano, located in Akan caldera on eastern part of Hokkaido, is one of the most active volcanoes in Hokkaido. Recent volcanism mainly occurred in Ponmachineshiri crater, and active volcanic earthquake swarms beneath the crater and a heightened state of heat of the shallow crater have been observed. In 1955-1960, 1988, 1998 and 2006, phreatic eruptions occurred.

This study gives an overview of the phreatic eruptions occurred at Ponmachineshiri crater in November 2008 and argues related volcanic activities, especially earthquakes and tremors before, during and after eruptions.