

Historic records of Vulcanian eruption during 1800-1804 activity of Chokai volcano

Shintaro Hayashi^{1*}, Masao Ban², Tsukasa Ohba³

¹Faculty of Edu. and Human Studies, Akita Univ., ²Faculty of Sci., Yamagata Univ., ³Faculty of Eng. and Res. Sci., Akita Univ.

We briefly discuss record of historical documents about the A.D. 1800-1804 eruption of Chokai volcano, northeastern Japan. We found documents suggesting intermittent explosion, ballistic ejection of hot blocks or bombs, acoustic waves and emission of hot ash cloud, and concluded that Vulcanian eruption took place during August of 1801(July of Kyowa Gannen). Magmatic activity of 1800-1804 eruption of Chokai volcano began with Vulcanian eruption between July 2nd and July 10th and ended by emission of Shinzan lava dome around July 23rd.

Keywords: Vulcanian eruption, Chokai volcano, Historic record