

Aeromagnetic survey in Kutierabu-jima Volcano.

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To investigate the magnetic structure of the Kutierabu-jima Volcano, we conducted the aeromagnetic surveys in January of 2001. The measurement was conducted along 19 parallel N-S lines with 250 m spacing and 10 parallel E-W lines with 500 m spacing around the Eastern part of Kutierabu-jima using portable high sensitivity Overhauser effect magnetometer. The altitude of flight was kept about 200 to 300 m above the terrain for N-S lines, and constant altitude (about 700m) above the sea level for E-W lines, respectively.