

Volcano-electromagnetic Study of Hokkaido Komagatake Volcano(4)

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Hokkaido Komagatake is an active andesitic stratovolcano. To obtain its electrical structure precisely, we carried out the AMT and ULF-MT electromagnetic survey across the edifice of the volcano in 1998 and 1999. The shallow part of the resistivity structure was well obtained by the AMT data. The deeper structure modeling by using the combination of the AMT and ULF-MT data is in an early stage, but we will present a proper result at the meeting. SP mapping survey were also carried out in and around the summit crater. A temporal change which can be related to the volcanic activity was revealed. To obtain its variations more adequately, the continuous SP monitoring system was settled after the 1998 phreatic eruption. We will also present its latest result at the meeting.