

Estimation of phreatomagmatic eruption sites on volcanic islands -- An example using VLF-MT method

Osamu Oshima[1]

[1] Dept. Earth Sci. & Astro., Univ. Tokyo

Possible eruption sites or areas of phreatomagmatic eruptions have been examined by VLF-MT survey measuring electrical resistivity of the ground surface of volcanic islands. As an example, the southernmost part of Izu-Oshima volcanic island has a high possibility of that sort of eruption in the area lower than 70 m in elevation where the electrical resistivity is lower than ca.50 ohm-m.

Possible eruption sites or areas of phreatomagmatic eruptions have been examined by VLF-MT survey measuring electrical resistivity of the ground surface of volcanic islands. As an example, the southernmost part of Izu-Oshima volcanic island has a high possibility of that sort of eruption in the area lower than 70 m in elevation where the electrical resistivity is lower than ca.50 ohm-m.