Resistivity structure in the northern part of Miyazaki prefecture

Hiroshi Munekane [1], Tsuneomi Kagiyama [2], Hisashi Utada [3], Hisayoshi Shimizu [3], Takao Koyama [1], Fumio Masutani [4]

[1] ERI, Univ. Tokyo, [2] Earthquake Research Institute, University of Tokyo, [3] ERI, Univ. of Tokyo, [4] Erathquake Research Institute, Univ. of Tokyo

We have conducted resistivity survey by Magnetotelluric (MT) method in the southern Kyushu since 1994, and revealed the distribution of two characteristic resistivity structure, namely, shallow low resistivity layer (SLRR) and deep low resistivity layer (DLRR) in this area.

In 1998, MT survey was conducted in the northern part of Miyazaki prefecture, and results of structure analysis will be reported in this paper. This area lies between Kirishima and Aso volcanos, where no volcanic activities occurred. It is interesting whether structure under this area differs that of volcanic area.