

Wideband magnetotelluric survey over Iwaki region

OGAWA, Yasuo^{1*}, UYESHIMA, Makoto², ICHIKI, Masahiro³

¹Volcanic Fluid Research Center Tokyo Institute of Technology, ²ERI, Univ. Tokyo, ³Tohoku Univ.

Magnetotelluric measurements were carried out around Iwaki area where high seismicity with normal fault mechanism has been observed after the 2011 Magnitude 9.0 Tohoku-Oki Earthquake. We made 24 magnetotelluric measurements over the area in order to reveal the three-dimensional distribution of fluids which may be responsible for the high seismicity. In this presentation, we will show the preliminary results of the survey.

Keywords: Iwaki, seismicity, resistivity, fluid, fault