

Preliminary report on wide band MT investigations in the eastern part of San'in region, southwestern Honshu, Japan

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According to the recent Network MT investigations, the spatial distribution of the apparent resistivity values shows that there is a clear resistivity boundary along the line SKN-TTR-GMU in the San'in region. This line coincides with the seismic zone which includes Yoshioka and Shikano earthquake faults associated with the 1943 Tottori earthquake (M7.2). Wide band MT investigations were carried out at the 15, in order to clarify not only the relationship between this resistivity boundary and seismic zone, but also the resistivity structure of the crust and the upper mantle beneath this region. Preliminary results also reveal that there is a significant difference in the apparent resistivity in the vicinity of the seismic zone.