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The resistivity structure aroud the focal region of the Western Nagano Prefecture Earthquake

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Magneto Tellurics survey were carried out aroud the focal region of the Western Nagano Prefecture Earthquake. Obsevation sites are 12 sites and a length of a survey line is 35km. In this region the earthquake swarm has frequently occured and clear seismic refrector was detected. As a result of 2D resistivity modeling, the low resistivity zone is detected on the center of the observation line. This structure relate to a fault of The Western Nagano Prefecture Earthquake and the lower limit of this structure is 5km. On the other hand high restivity zone is detected in the eastern part of a observation line. The lower limit of the high restivity zone agree with the lower limit of the occurrence of the earthquake.