

Seismic reflection survey at the southwest Ibaraki Prefecture –Basement structure near the inferred Median Tectonic Line-

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A seismic reflection survey was conducted in the southwest Ibaraki Prefecture. The CMP stacked time section shows strong reflectors around 0.8 second in two way time with some buried foci. The reflectors are considered the pre-Tertiary basement top. Reflectors are smooth and continuous in the sedimentary layers above the basement. The basement top is not flat in comparison with the reflectors in the sedimentary layers. A small depression and depth change at the basement top are detected near the Median Tectonic Line inferred from the land magnetic survey data.