

On tidal components of Network-MT data: A preliminary report

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The purpose of this study is clarifying a spatial distribution of the tidal components in long baseline ground potential data acquired in the Chugoku and the Shikoku district, and examining the cause.

We have analyzed ground potential data using BAYTAP-G program. The tidal components in ground potential are detected in almost areas where we have analyzed. The features of tidal components of ground potential are similar to that of ocean tidal components. The amplitude of M2 tidal component of ground potential is larger than that of O1 in almost areas. Moreover, the magnitude of the tide components of ground potential at the Seto inland sea side is larger than at the Pacific Ocean and Japan sea side. The waveform of M2 tidal component of the ground potential looks like that of ocean tide.