

**T043-P001**

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## Image of the Earth's plates based on spatially localized admittance

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Admittance is the amplitude ratio between gravity and topographic signal in wavelength domain. Using the admittance, we can estimate elastic thickness of plates. We have developed a new technique that calculates both spectrally and spatially localized admittance, which allows us to discuss lateral variation of the elastic property of plates. In this study, we introduced localized correlation between gravity and topography as well as admittance. We can exclude unreliable area for admittance based on the correlation.