

Crustal structure beneath the southwestern Japan, as derived from explosion seismology and gravity anomalies

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In 1999, an experiment of explosion seismic observations was conducted by the Japan Marine Science and Technology Center and the Earthquake Research Institute along a profile ranging from Nankai trough to Shikoku district, southwestern Japan. And they presented P-wave velocity structures along the profile.

We carried out gravity measurements along the profile and made a detailed gravity anomaly map. It is consistent with the geology in this region. We will present a density structure along the profile using gravity anomaly data.