

## Magnetic and Gravity Anomalies in and around Fukutoku-okanoba and Minami-Hiyoshi Seamount

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JHD has carried out geological and geophysical surveys in order to prepare the data and information on volcanoes in sea areas.

We report results of magnetic and gravity measurements carried out in and around Fukutoku-okanoba and Minami-Hiyoshi Seamount located on the volcanic front of the Izu-Ogasawara arc.

Applying a 2D-FFT inversion method (Kubota, 2000) to calculate crustal magnetization, the low magnetization area was recognized beneath Fukutoku-okanoba.

It is reported that there are low wave speed materials and/or seismic wave attenuated zone in this area. (Nishizawa, 2001)