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Sea Floor Gravity Survey of Offshore Area of Fukuoka prefecture

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A sea floor gravity survey was carried out from September to October in 2010 along the offshore of fukuoka prefecture in order to understand a shallow and whole underground structure. The measurement points were arranged within 5km offshore at every 2km interval and the number of measurement points became 100 points. The characteristic Bouguer anomalies are that the gravity steep gradients continue to the offshore area. But, the continuity to the sea of Kego Fault is not so clear. The low Bouguer anomalies are found out in the Epicenter area of 2005 Fukuoka earthquake, it may correspond to the fracture structure.

Keywords: Sea floor gravity, offshore of fukuoka prefecture, 2005 Fukuoka earthquake, Kego fault