

## Gravity measurements at the bottom of Seto Inland Sea using Ocean Bottom Gravimeter

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23 new measurements were obtained at the bottom of Seto Inland Sea. There locations are on 2 NS lines south of Himeji, Hyogo, Japan.

We used OBG (Ocean Bottom Gravimeter) and R/V Onokoro from 4 to 7th June, 2002. OBG is approximately 1m cubic in size, and whose weight is 140kg in air.

Onokoro of Kobe University is 11.95m in length and 8.5 ton weight, 20 person can be on board. For the positions we used DGPS made by JRC co.

Drift rate of OBG during the survey was 0.196 mgal/day. Every data was sampled for the interval of 40 second and each measurement took 1 minute.

Every station has 3 to 10 data. These data are more accurate than air-sea gravimeter on surface ship and very important for future study of accurate gravity modeling.