

## YOKOSUKA YK09-08 absolute gravity and free air gravity anomaly

Last Modified: 2012-09-28

[ReadMe](#) [Observation Data](#)

Cruise ID: [YK09-08](#)

absolute gravity and free air gravity anomaly : Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

### Data Information

Shipboard gravity meter data are tied to absolute gravity value using JAMSTEC bas, Yokosuka Japan. After 1-min resampling, the data are shifted and Etovos corrected. Free air anomaly is calculated by subtracting normal gravity formula (WGS84). The data with large Etovos correction ( > 3mGal/min) or slow ship speed ( < 3 knot) are removed. NO DRIFT CORRECTION WAS DONE.

### Cruise Report

[http://www.godac.jamstec.go.jp/catalog/data/doc\\_catalog/media/YK09-08\\_all.pdf](http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/YK09-08_all.pdf)

### For Using Data

#### Principal Investigator

Kyoko OKINO (University of Tokyo)

#### Use Constraints

none

#### Data Citation

clearly specify cruise ID

### Instrument

Instrument:

LaCoste & Romberg S-63

Instrument Information:

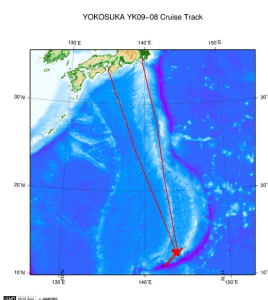


### Data Format

year,month,day,hour,in,sec,lat,lon,absolute gravity, depth, Etovos correction, normal gravity, free-air gravity anomaly  
%4d %2d %2d %2d %2d %2d %11.7f %12.7f %8.1f %7.1f %8.1f %8.1f %5.1f %5.1f%#n

### Related Information

☒ Cruise Data ☐ Dive Data



[Enlarge Image](#)

#### YK09-08

Ship Name: YOKOSUKA

Period: 2009-06-29 - 2009-07-17

Chief Scientist: Kyoko Okino (The University of Tokyo)

Proposal ▶ High-resolution, 3-dimensional and multi-sensor mapping of three hydrothermal sites in the southern Mariana Trough

### Update History

2012-09-28 An observation data was registered.

#### JAMSTEC

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#### Lists

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#### Data

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#### Information of the Ships

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[KAIYO](#)  
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[MIRAI](#)  
[KAIREI](#)  
[CHIKYU](#)  
[KAIMEI](#)  
[SHINSEI MARU](#)  
[HAKUHO MARU](#)

#### Information of the Submersibles

[KAIKO](#)  
[SHINKAI 2000](#)  
[SHINKAI 6500](#)  
[DEEP TOW](#)  
[HYPER-DOLPHIN](#)  
[URASHIMA](#)  
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#### Go to a Cruise Information

Cruise ID:

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Dive ID:



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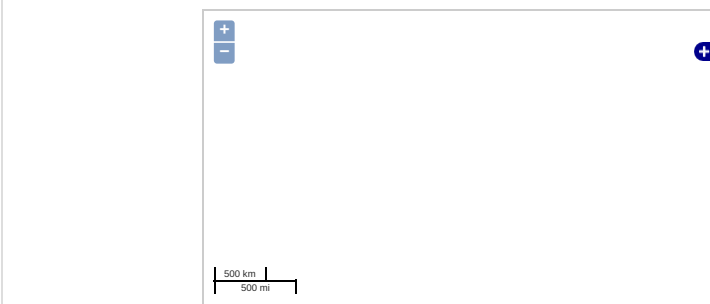
absolute gravity and free air gravity anomaly: Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

### Observation Map



— ... Observation Line — ... Navigation ● ... Observation, Dive Point, Hole

Imagery reproduced from ...

### Data List

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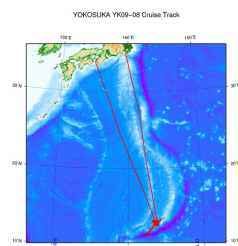
#### File names

☐ YK09-08\_gravity.zip

### Related Information

☒ Cruise Data

☐ Dive Data



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