



Update History	
2019-10-08	An observation data was registerd.
2018-07-14	An observation data was registerd.
2014-08-09	An observation data was registerd.
2012-09-28	An observation data was registerd.

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## MIRAI MR11-07 Leg2 Gravity

Last Modified: 2019-10-08

### ReadMe

Cruise ID: [MR11-07 Leg2](#)

Gravity: Raw

Data Policy: [JAMSTEC](#)

Observation Items: Absolute gravity

Science Keywords:

OCEANS > MARINE GEOPHYSICS > MARINE GRAVITY FIELD  
SOLID EARTH > GEODETICS/GRAVITY > GRAVITY

Cruise Report

[http://www.godac.jamstec.go.jp/catalog/data/doc\\_catalog/media/MR11-07\\_leg1-2\\_all.pdf](http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR11-07_leg1-2_all.pdf)

### For Using Data

Principal Investigator

Data Management Office

Use Constraints

See [Terms and Conditions](#) about constrain of use.

Data Citation

See [Terms and Conditions](#) about data citation.

### Instrument

Instrument:

Shipboard gravimeter



Instrument:

Microgravimeter (MR11-06 - )



### Measurement System

(1) Shipboard gravity meter

The system consists of two main assemblies; the gyro-stabilized platform including the gravity sensor and the data handling & control system.

Manufacturer : LaCoste & Romberg  
Model : S-116  
Measuring range : 12,000 mGal  
Accuracy : 1.0 mGal  
Drift rate : < 3.0 mGal/month  
Installation : Gravity meter room

Reference: 『Model "S" Air-Sea Dynamic Gravity Meter SystemII』 INSTRUCTION MANUAL LaCoste and Romberg Gravity Meters, Inc. 2004

(2) Portable gravity meter

The portable gravity meter consists of two modules; the data acquisition/control module and the gravity sensor module. The gravity sensor is enclosed in a thermostatically controlled vacuum chamber. The portable gravity meter is used to calculate the absolute gravity of the port with reference to the gravity station of the Japan Gravity Standardization Net of the Geographical Survey Institute of Japan.

Manufacturer : SCINTREX  
Model : CG-5  
Measurement range : 8,000 mGal  
Standard deviation : 0.005 mGal  
Drift rate : < 0.02 mGal/day

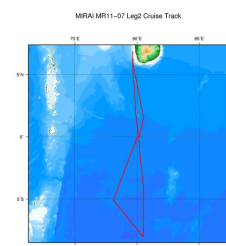
Reference: "CG-5 OPERATION MANUAL", SCINTREX

### About this data

We have no plan to process the data due to equipment failure etc.

Please refer to the "Contact Us" if you wish to use the raw data.

### Related Information



[Enlarge Image](#)

#### MR11-07 Leg2

Ship Name: MIRAI

Period: 2011-10-28 - 2011-12-02

Chief Scientist: Masaki Katsumata (JAMSTEC)

Project Name: [Cooperative Indian Ocean experiment on intraseasonal variability in the Year 2011, MJO Research]

Proposal ▶ Cooperative Indian Ocean experiment on intraseasonal variability in the Year 2011

Title: (CINDY2011)

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