

## SHINSEI MARU KS-17-J05 Gravity

Last Modified: 2019-07-31

### ReadMe

Cruise ID: [KS-17-J05](#)

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/KS-17-J05\\_all.pdf](http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/KS-17-J05_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



### 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 : Micro-g LaCoste  
Model : S-177  
Measuring range : 20,000 mGal  
Accuracy : 1.0 mGal  
Drift rate : < 3.0mGal/month  
Installation : Gravity meter room

Reference: "Air-Sea Systemll Marine Gravity Meter User Manual", Micro-g LaCoste

#### (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

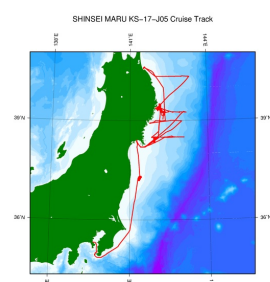
Reference:"CG-5 OPERATION MANUAL", SCINTREX

### 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](#)

#### KS-17-J05

Ship Name: SHINSEI MARU

Period: 2017-03-12 - 2017-03-30

Chief Scientist: Masahide Wakita (JAMSTEC)

Project Name: [Tohoku Ecosystem-Associated Marine Sciences (TEAMS)]

Proposal Title: Marine Ecosystems Investigation, Impact by the mega-earthquake (the 2011 Earthquake of the Pacific coast of Tohoku) and Tsunami: For Recovery and Rebuilding of Sanriku Fisheries Activities

Update History	
2019-07-31	An observation data was registerd.

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YOKOSUKA

MIRAI

KAIREI

CHIKYU

KAIMEI

SHINSEI MARU

HAKUHO MARU

Information of the Submersibles

KAIKO

SHINKAI 2000

SHINKAI 6500

DEEP TOW

HYPER-DOLPHIN

URASHIMA

YOKOSUKA DEEP TOW

6K Camera DEEP TOW

6K Sonar DEEP TOW

KM-ROV

POWER GRAB SAMPLER (SHELL)

POWER GRAB SAMPLER (CLOW)

BMS

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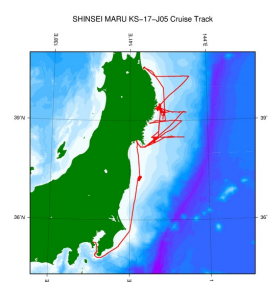
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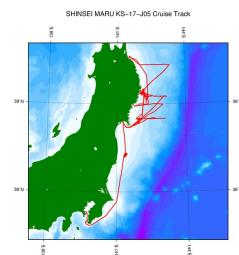
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