

## SHINSEI MARU KS-20-15 Leg2 Gravity

Last Modified: 2021-04-05

### ReadMe

Cruise ID: [KS-20-15 Leg2](#)

Gravity: Raw

Data Policy: [JURCAOS-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-20-15\\_leg2\\_all.pdf](http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/KS-20-15_leg2_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

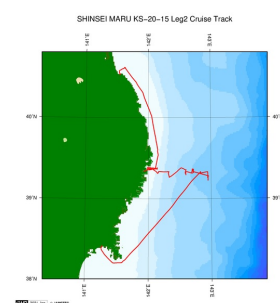
Reference:"CG-5 OPERATION MANUAL", SCINTREX

### About this data

We have no plan to process the data because we could not obtain absolute gravity data as a reference point.

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

### Related Information



[Enlarge Image](#)

#### KS-20-15 Leg2

Ship Name: SHINSEI MARU

Period: 2020-09-30 - 2020-10-05

Chief Scientist: Shigeaki Kojima (Graduate School of Frontier Sciences, The University of Tokyo)

Proposal Research on the disturbance and recovery process of the ecosystem in Sanriku coastal area

Title: after the Tsunami

#### Update History

2021-04-05	An observation data was registerd.
------------	------------------------------------

#### JAMSTEC

[Site Policy](#)

[Privacy Policy](#)

[Application for Data and Samples](#)

[Data Policy](#)

#### What's New

[Update History](#)

[Feeds](#)

#### Lists

[Publication List](#)

[Amount of Public Info.](#)

#### Data

[Map Search](#)

[Data Tree](#)

[Detailed Search](#)

#### Information of the Ships

[NATSUSHIMA](#)

[KAIYO](#)

[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](#)

#### Go to a Cruise Information

Cruise ID:

#### Go to a Dive Information

Dive ID:

Copyright 2011 Japan Agency for Marine-Earth Science and Technology



**JAMSTEC**

国立研究開発法人  
海洋研究開発機構

JAPAN AGENCY FOR MARINE-EARTH SCIENCE AND TECHNOLOGY

## SHINSEI MARU KS-20-15 Leg2 Gravity

Last Modified: 2021-04-05

### ReadMe

Cruise ID: [KS-20-15 Leg2](#)

Gravity: Raw

Data Policy: [JURCAOS-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-20-15\\_leg2\\_all.pdf](http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/KS-20-15_leg2_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

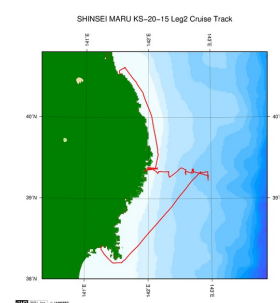
Reference:"CG-5 OPERATION MANUAL", SCINTREX

### About this data

We have no plan to process the data because we could not obtain absolute gravity data as a reference point.

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

### Related Information



[Enlarge Image](#)

#### KS-20-15 Leg2

Ship Name: SHINSEI MARU

Period: 2020-09-30 - 2020-10-05

Chief Scientist: Shigeaki Kojima (Graduate School of Frontier Sciences, The University of Tokyo)

Proposal Research on the disturbance and recovery process of the ecosystem in Sanriku coastal area

Title: after the Tsunami

#### Update History

2021-04-05

An observation data was registerd.

#### JAMSTEC

[Site Policy](#)

[Privacy Policy](#)

[Application for Data and Samples](#)

[Data Policy](#)

#### What's New

[Update History](#)

[Feeds](#)

#### Lists

[Publication List](#)

[Amount of Public Info.](#)

#### Data

[Map Search](#)

[Data Tree](#)

[Detailed Search](#)

#### Information of the Ships

[NATSUSHIMA](#)

[KAIYO](#)

[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](#)

#### Go to a Cruise Information

Cruise ID:

Go

#### Go to a Dive Information

Dive ID:

Go

Copyright 2011 Japan Agency for Marine-Earth Science and Technology



**JAMSTEC**

国立研究開発法人  
海洋研究開発機構

JAPAN AGENCY FOR MARINE-EARTH SCIENCE AND TECHNOLOGY

## SHINSEI MARU KS-20-15 Leg2 Gravity

Last Modified: 2021-04-05

### ReadMe

Cruise ID: [KS-20-15 Leg2](#)

Gravity: Raw

Data Policy: [JURCAOS-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-20-15\\_leg2\\_all.pdf](http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/KS-20-15_leg2_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 SystemII 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

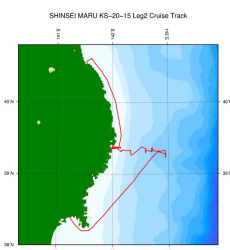
Reference:"CG-5 OPERATION MANUAL", SCINTREX

### About this data

We have no plan to process the data because we could not obtain absolute gravity data as a reference point.

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

### Related Information



[Enlarge Image](#)

### KS-20-15 Leg2

Ship Name: SHINSEI MARU

Period: 2020-09-30 - 2020-10-05

Chief Scientist: Shigeaki Kojima (Graduate School of Frontier Sciences, The University of Tokyo)

Proposal Research on the disturbance and recovery process of the ecosystem in Sanriku coastal area

Title: after the Tsunami

### Update History

2021-04-05 An observation data was registered.

[Data Policy](#)

**What's New**

[Update History](#)

[Feeds](#)

[Map Search](#)

[Data Tree](#)

[Detailed Search](#)

[MIRAI](#)

[KAIREI](#)

[CHIKYU](#)

[KAIMEI](#)

[SHINSEI MARU](#)

[HAKUHO MARU](#)

[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](#)

**Go to a Dive Information**

Dive ID:

Go

Copyright 2011 Japan Agency for Marine-Earth Science and Technology



**JAMSTEC**

国立研究開発法人  
海洋研究開発機構

JAPAN AGENCY FOR MARINE-EARTH SCIENCE AND TECHNOLOGY