

## KAIREI KR07-17 Gravity

Last Modified: 2019-07-31

### ReadMe

Cruise ID: [KR07-17](#)

Gravity: Raw

Data Policy: [JAMSTEC](#)

Observation Items: Absolute gravity

Science Keywords:

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

### 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 ( - KR16-07)



Instrument:

Microgravimeter ( - KR07-18)



### 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 : BODENSEEWERK  
Model : KSS 31  
Measuring range : 10,000 mGal  
Accuracy : 1.0 mGal  
Drift rate : < 3.0 mGal/month  
Installation : Gravity meter room

Reference:"INSTRUCTION MANUAL for MARINE/AIR GRAVITYMETER SYSTEM KSS 31", Bodenseewerk 1996

#### (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-3M  
Measurement range : 7,000 mGal  
Standard deviation : < 0.01 mGal  
Drift rate : < 0.02 mGal/day

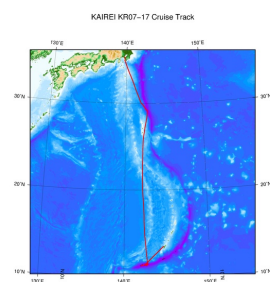
Reference:"CG-3M AUTOGRAV AUTOMATED GRAVITY METER OPERATOR MANUAL", SCINTREX

### 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](#)

#### KR07-17

Ship Name: KAIREI  
Period: 2007-12-03 - 2007-12-12  
Chief Scientist: Hiroyuki Osawa (JAMSTEC)

### Update History

2019-07-31 An observation data was registerd.

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POWER GRAB SAMPLER (SHELL)  
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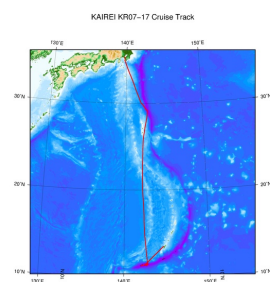
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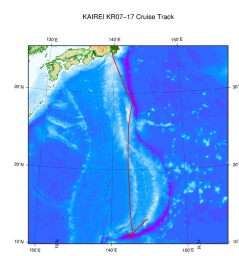
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