KAIREI KR17-14 Leg1 Gravity

Last Modified: 2019-07-05

ReadMe

Cruise ID: KR17-14 Leg1
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/KR17-14_leg1_all.pdf

For Using Data

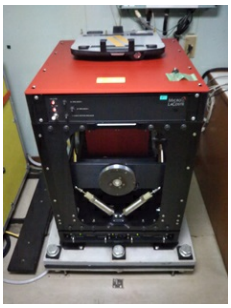
Principal Investigator
Data Management Office

Use Constraints
See Terms and Conditions about constrain of use.

Data Citation
See Terms and Conditions about data citation.

Instrument

Instrument:
Shipboard gravimeter (KR16-E03 -)



Instrument:
Microgravimeter (KR08-02 -)

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, Inc.
Model： MGS-6
Measuring range：500,000 mGal
Accuracy： 0.6 mGal
Drift rate： < 3.0 mGal/month
Installation： Gravity meter room

Reference:"MGS-6 Marine Gravity System 6 User's Manual", Micro-g LaCoste 2015

(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.

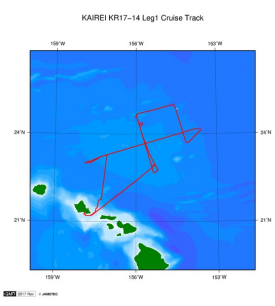
Manufacturer： SCINTREX
Model： CG-5
Measurement range：8,000 mGal
Standard deviation： 0.005 mGal
Drift rate： < 0.02 mGal/day

Reference:"CG-5 OPERATION MANUAL", SCINTREX

About this data

We have no plan to process the data due to equipment adjustment.
Please refer to the "Contact Us" if you wish to use the raw data.

Related Information



KR17-14 Leg1
Ship Name: KAIREI
Period: 2017-09-16 - 2017-09-25
Chief Scientist: Mikiya Yamashita (JAMSTEC)

Enlarge Image

Update History

2019-07-05	An observation data was registerd.
2018-12-15	An observation data was registerd.

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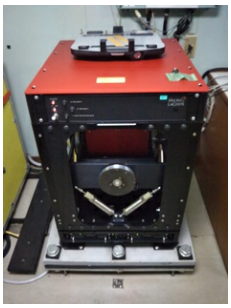

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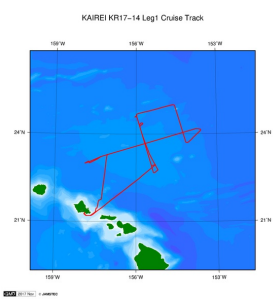

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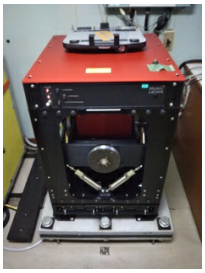

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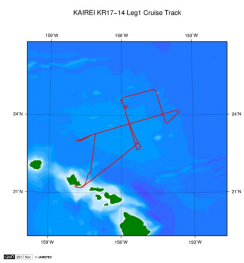

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