

For Using Data

Data Policy	JURCAOS-JAMSTEC
Principal Investigator	Data Management Office
Use Constraints	See Terms and Conditions about constrain of use.
Data Citation	See Terms and Conditions about data citation.

Quality

Raw

Instrument

Shipboard gravimeter



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
Type :	S-177
Measurement range :	20,000 mGal
Accuracy :	1.0 mGal
Drift rate :	< 3.0 mGal/month
Location :	Gravity meter room
Reference :	"Air-Sea System II Marine Gravity Meter User Manual", Micro-g LaCoste

2) Portable gravity meter

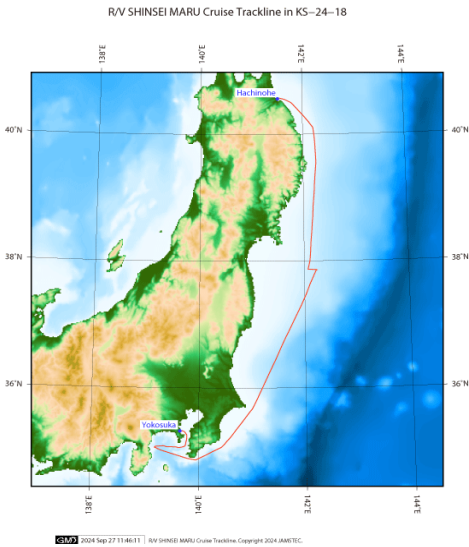
The portable gravity meter consists of two modules; the data acquisition/control module and the gravity sensor module. The gravity sensor is enclosed in a thermostatically controlled vacuum chamber. The portable gravity meter is used to calculate the absolute gravity of the port with reference to the 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 adjustment.
Please contact "dmo@jamstec.go.jp", if you wish to use the raw data.

Related Information



KS-24-18

Ship Name:	SHINSEI MARU
Period:	2024/09/13 - 2024/09/17
Chief Scientist:	Junichiro Kuroda (AORI, The University of Tokyo)
Proposal:	Operational performance verification test of observation equipments for the Joint Usage/Joint Research Expeditions