

## MIRAI MR13-04 Hydrographic data

Last Modified: 2015-09-30

[ReadMe](#) [Observation Data](#)

Cruise ID: [MR13-04](#)

Hydrographic data: Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

### Data Information

Results of chemical analysis on seawater collected by a Sea Bird Electronics 36 position carousel equipped 12 liter Niskin X water sample bottles (including CTD data) : salinity, dissolved oxygen, nutrients (nitrate, nitrite, ammonium, phosphate, silicate), pH, dissolved inorganic carbon, total alkalinity, dissolved organic carbon

### Cruise Report

[http://www.godac.jamstec.go.jp/catalog/data/doc\\_catalog/media/MR13-04\\_all.pdf](http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR13-04_all.pdf)

### For Using Data

#### Principal Investigator

Masahide Wakita (JAMSTEC)

#### Use Constraints

Please contact PI (Makio C. Honda:hondam@jamstec.go.jp, Masahide Wakita: mwakita@jamstec.go.jp)

#### Data Citation

Please contact PI (Makio C. Honda:hondam@jamstec.go.jp, Masahide Wakita: mwakita@jamstec.go.jp)

### Instrument

Instrument:

salinity : Autosal, dissolved oxygen :

Automatic photometric titrator,

nutrients : QuAAtro 2-HR, pH : pH

meter, dissolved inorganic carbon :

coulometer, total alkalinity :

spectrophotometer, dissolved organic

carbon : high-temperature catalytic

oxidation method TOC Analyzers

Instrument Information:

salinity : Autosal salinometer model

8400B(Guidline Instruments Ltd),

dissolved oxygen : Automatic

photometric titrator (Kimoto Electronic

Co. Ltd), nutrients : QuAAtro 2-HR

(SEAL · BLTEC), pH : pH meter

PHM240 (Radiometer), dissolved

inorganic carbon : automated TCO2

analyzer (Nippon ANS, Inc.) equipped

with carbon coulometer 5012 (UIC

Inc.), total alkalinity : automated TA

analyzer (Nippon ANS, Inc.) based on

spectrophotometer (Carry 50 Scan,

Varian) by using bromocresol green,

dissolved organic carbon:Total

Organic Carbon Analyzer TOC-V

(Shimadzu Co.), (referred to

JAMSTEC data site for research

cruises)

NO IMAGE

### Sample

Seawater

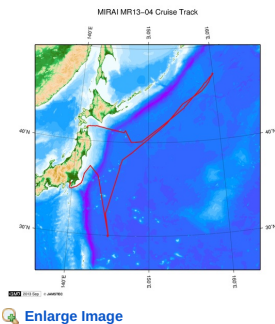
### Sample ID

MR13-04 W F1 22, S1 24, S1 28, K2 35, K2 40, E01 44

### Data Format

ODV Format Data (excel)

### Related Information



#### MR13-04

Ship Name: MIRAI

Period: 2013-07-09 - 2013-07-29

Chief Scientist: Makio Honda (JAMSTEC)

Project Name: [Station K2, Station S1, Station KEO, Station KNOT]

Proposal ▶ Change in material cycles and ecosystem by the climate change and its feedback  
Title:

#### Update History

2015-09-30	An observation data was registerd.
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#### 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:

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**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

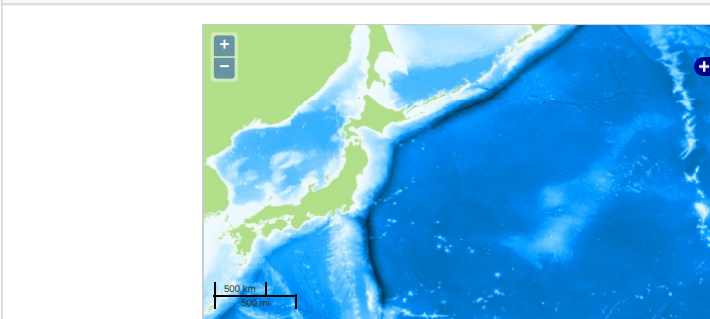
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Cruise ID: **MR13-04**  
Hydrographic data: Processed (PI)  
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Observation Items:  
Science Keywords:

### Observation Map



— ... Observation Line — ... Navigation ● ... Observation, Dive Point, Hole

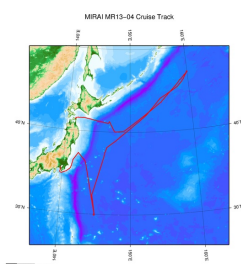
### Data List

[Add to Basket](#)

#### File names

MR13-04\_hydrographic\_data.xlsx

### Related Information



[Enlarge Image](#)

#### MR13-04

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Period: 2013-07-09 - 2013-07-29  
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[POWER GRAB SAMPLER \(SHELL\)](#)  
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[BMS](#)

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