

## MIRAI MR12-E02 Leg2 Underway Thermosalinograph

Last Modified: 2014-10-31

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

Cruise ID: **MR12-E02 Leg2**

Underway Thermosalinograph: Processed (PI)

Data Policy: **JAMSTEC**

Observation Items: Temperature, Salinity, Dissolved oxygen

Science Keywords:

OCEANS > OCEAN CHEMISTRY	> OXYGEN
OCEANS > SALINITY/DENSITY	> SALINITY
> OCEAN	> SEA SURFACE
OCEANS TEMPERATURE	TEMPERATURE
OCEANS > OCEAN OPTICS	> FLUORESCENCE

Cruise Report

[http://www.godac.jamstec.go.jp/catalog/data/doc\\_catalog/media/MR12-E02\\_leg2\\_all.pdf](http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR12-E02_leg2_all.pdf)

### For Using Data

**Principal Investigator**

Masahide Wakita (JAMSTEC)

**Use Constraints**

See [Terms and Conditions](#) about constrain of use.

**Data Citation**

See [Terms and Conditions](#) about data citation.

### Instrument

Instrument:

Continuous sea surface water monitoring system (MR10-04 Leg1 - MR14-02 )



### Overview

Thermosalinograph measures the following surface parameters continuously.

- temperature
- salinity
- dissolved oxygen

Sea surface water is continuously pumped up at 4.5 meters depth to the sea surface monitoring laboratory and then flowed into each analysis equipment through a steel pipe and a vinyl-chloride pipe.

The flow rate of this system is controlled by some valves. Data are recorded in the personal computer.

### System

- Temperature and Conductivity sensor : SBE-45, SEA-BIRD ELECTRONICS, INC.
- Bottom of ship thermometer : SBE 38, SEA-BIRD ELECTRONICS, INC.
- Dissolved oxygen sensor : OPTODE 3835, AANDERAA Instruments.
- Fluorometer: C3, TURNER DESIGNS.

### Notice

When use a data sample and result, please inform parson about the data of a title, author, publication year, title, form of the publication and the medium of the publication.

Contact parson about the data: Masahide Wakita

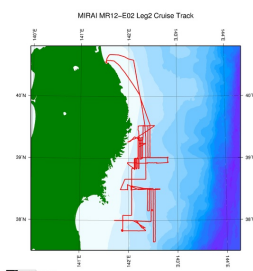
Organization: JAMSTEC Mutsu Institute for Oceanography

TEL: 81-175-45-1012

E-mail: mwakita@jamstec.go.jp

### Related Information

[Cruise Data](#) [Dive Data](#)



[Enlarge Image](#)

#### MR12-E02 Leg2

Ship Name: MIRAI

Period: 2012-03-15 - 2012-03-21

Chief Scientist: Katsunori Fujikura (JAMSTEC)

Project Name: [Tohoku Ecosystem-Associated Marine Sciences (TEAMS)]

Proposal Title: Marine Ecosystems Investigation, Impact by the mega-earthquake (the 2011 Earthquake of the Pacific coast of Tohoku) and Tsunami: For Recovery and Rebuilding of Sanriku Fisheries Activities

### Update History

2014-10-31	An observation data was registerd.
------------	------------------------------------

[Site Policy](#)  
[Privacy Policy](#)  
[Application for Data and Samples](#)  
[Data Policy](#)  
  
**What's New**  
[Update History](#)  
[Feeds](#)

[Publication List](#)  
[Amount of Public Info.](#)  
  
**Data**  
[Map Search](#)  
[Data Tree](#)  
[Detailed Search](#)

**Ships**  
[NATSUSHIMA](#)  
[KAIYO](#)  
[YOKOSUKA](#)  
[MIRAI](#)  
[KAIREI](#)  
[CHIKYU](#)  
[KAIMEI](#)  
[SHINSEI MARU](#)  
[HAKUHO MARU](#)

**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](#)

Cruise ID:

Go to a Dive Information

Dive ID:

Copyright 2011 Japan Agency for Marine-Earth Science and Technology



## MIRAI MR12-E02 Leg2 Underway Thermosalinograph

Last Modified: 2014-10-31

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

Cruise ID: [MR12-E02 Leg2](#)

Underway Thermosalinograph: Processed (PI)

Data Policy: [JAMSTEC](#)

### About data format

We provide the dataset as AWI Ocean Data View format (generic spreadsheet format).

Ocean Data View : <http://odv.awi.de/>

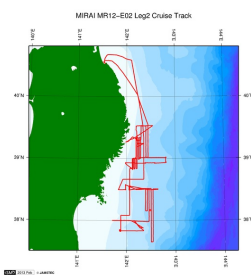
Japanese Guide : [http://www.jodc.go.jp/jodc\\_pub/digitalpub\\_i.html](http://www.jodc.go.jp/jodc_pub/digitalpub_i.html)

### Quality flag

- 0 - good
- 3 - questionable
- 4 - bad
- 9 - missing

## Related Information

[Cruise Data](#) [Dive Data](#)



[Enlarge Image](#)

### MR12-E02 Leg2

Ship Name: MIRAI

Period: 2012-03-15 - 2012-03-21

Chief Scientist: Katsunori Fujikura (JAMSTEC)

Project Name: [Tohoku Ecosystem-Associated Marine Sciences (TEAMS)]

Proposal Marine Ecosystems Investigation, Impact by the mega-earthquake (the 2011 Earthquake of the

Title: Pacific coast of Tohoku) and Tsunami: For Recovery and Rebuilding of Sanriku Fisheries Activities

## Update History

Update Date	Update Content
2014-10-31	An observation data was registered.

### 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:

## MIRAI MR12-E02 Leg2 Underway Thermosalinograph

Last Modified: 2014-10-31

ReadMe **Observation Data** Data Format

Cruise ID: [MR12-E02 Leg2](#)

Underway Thermosalinograph: Processed (PI)

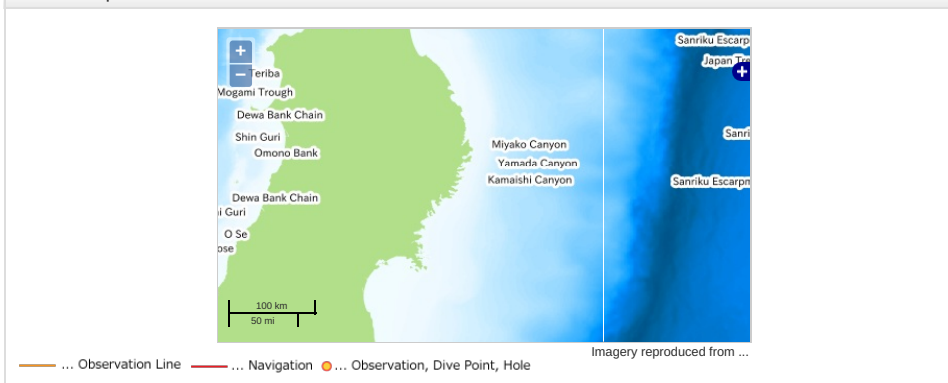
Data Policy: [JAMSTEC](#)

Observation Items: Temperature, Salinity, Dissolved oxygen

Science Keywords:

OCEANS > OCEAN CHEMISTRY > OXYGEN  
OCEANS > SALINITY/DENSITY > SALINITY  
OCEANS > OCEAN > SEA SURFACE  
OCEANS TEMPERATURE TEMPERATURE  
OCEANS > OCEAN OPTICS > FLUORESCENCE

### Observation Map



### Data List

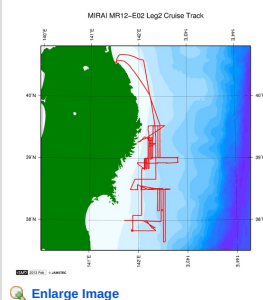
Add to Basket

File names

☐ MR12-E02\_Leg2\_TSG.txt

### Related Information

☒ Cruise Data ☐ Dive Data



[Enlarge Image](#)

#### MR12-E02 Leg2

Ship Name: MIRAI

Period: 2012-03-15 - 2012-03-21

Chief Scientist: Katsunori Fujikura (JAMSTEC)

Project Name: [Tohoku Ecosystem-Associated Marine Sciences (TEAMS)]

Proposal: Marine Ecosystems Investigation, Impact by the mega-earthquake (the 2011 Earthquake of the

Title: Pacific coast of Tohoku) and Tsunami: For Recovery and Rebuilding of Sanriku Fisheries

Activities

### Update History

2014-10-31 An observation data was registered.

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