

MIRAI MR15-05 Leg1 Expendable Conductivity-Temperature-Depth Profiler (XCTD)

Last Modified: 2018-05-31

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

Cruise ID: [MR15-05 Leg1](#)

Expendable Conductivity-Temperature-Depth Profiler (XCTD): Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items: Depth, Temperature, Salinity

Science Keywords:

OCEANS > OCEAN TEMPERATURE > WATER TEMPERATURE

OCEANS > SALINITY/DENSITY > SALINITY

Cruise Report

http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR15-05_leg1_all.pdf

For Using Data

Principal Investigator

Hiroshi Uchida (JAMSTEC)

JAMSTEC / BPPT joint cruise in the Indonesian waters.

Use Constraints

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

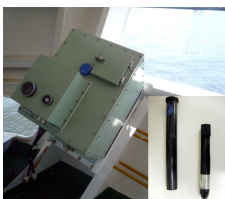
Data Citation

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

Instrument

Instrument:

Expendable conductivity temperature depth measurements (XCTD) (MR11-04 -)



Instrument:

Expendable conductivity temperature depth measurements (XCTD) (- MR11-E02)



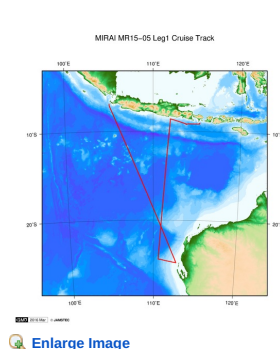
Data Citation

Refer [WHP I10 Revisit in 2015 Data Book](#) (doi: 10.17596/0000002) .

Overview

For details about data, please refer to the Data book "[WHP I10 Revisit in 2015 Data Book](#)" (doi: 10.17596/0000002) and [Cruise Report](#).

Related Information



MR15-05 Leg1

Ship Name: MIRAI

Period: 2015-12-23 - 2016-01-11

Chief Scientist: Katsuro Katsumata (JAMSTEC)

Project Name: [POST-WOCE Hydrography]

Proposal ▶ Research cruise on ocean decadal variability -- Indian Ocean GO-SHIP (Global Ocean

Title: Ship-based Hydrographic Investigation Program)

Update History

2018-05-31	An observation data was registerd.
2018-01-31	An observation data was registerd.

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)

Go to a Cruise Information

Cruise ID:

Go to a Dive Information

Dive ID:

POWER GRAB SAMPLER
(CLOW)
BMS

Copyright 2011 Japan Agency for Marine-Earth Science and
Technology



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

MIRAI MR15-05 Leg1 Expendable Conductivity-Temperature-Depth Profiler (XCTD)

Last Modified: 2018-05-31

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

Cruise ID: [MR15-05 Leg1](#)

Expendable Conductivity-Temperature-Depth Profiler (XCTD): Processed (PI)

Data Policy: [JAMSTEC](#)

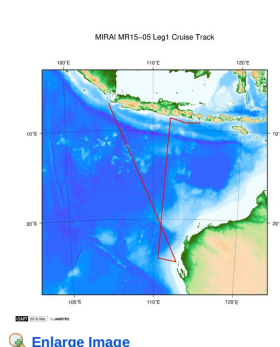
Format: WOCE Exchange format

Parameter	Units	Comments
EXPCODE	-	Expedition code
SECT	-	Section name
STNNBR	-	Station number
DATE	-	Date
TIME	UTC	Time
LATITUDE	degrees	Latitude
LONGITUDE	degrees	Longitude
DEPTH	m	Depth
INSTRUMENT_TYPE	-	Instrument type
SERIAL_NUMBER	-	Serial number
XCTD_DEPTH_ADD_OFFSET	-	Offset added for the pressure data
XCTTMP_ADD_OFFSET	ITS-90	Offset added for the temperature data
XCTSAL_ADD_OFFSET	PSS-78	Offset added for the salinity data
XCTPRS	dbar	Pressure estimated from the fall rate equation
XCTPRS_FLAG_W	-	XCTPRS data quality flag (see below)
XCTTMP	ITS-90	Temperature measured by the XCTD
XCTTMP_FLAG_W	-	XCTTMP data quality flag (see below)
XCTSAL	PSS-78	Salinity measured by the XCTD
XCTSAL_FLAG_W	-	XCTSAL data quality flag (see below)

Data quality flag

- 1 - Not calibrated (post-cruise calibration)
- 2 - Acceptable measurement
- 3 - Questionable measurement
- 4 - Bad measurement
- 5 - Not reported
- 6 - Interpolated
- 7 - Filled with the shallowest value
- 8 - Low-pass filtered
- 9 - Not sampled

Related Information



MR15-05 Leg1

Ship Name: MIRAI

Period: 2015-12-23 - 2016-01-11

Chief Scientist: Katsuro Katsumata (JAMSTEC)

Project Name: [POST-WOCE Hydrography]

Proposal ▶ Research cruise on ocean decadal variability -- Indian Ocean GO-SHIP (Global Ocean

Title: Ship-based Hydrographic Investigation Program)

Update History

2018-05-31	An observation data was registered.
2018-01-31	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)

Go to a Cruise Information

Cruise ID:

Go to a Dive Information

Dive ID:



MIRAI MR15-05 Leg1 Expendable Conductivity-Temperature-Depth Profiler (XCTD)

Last Modified: 2018-05-31

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

Cruise ID: [MR15-05 Leg1](#)

Expendable Conductivity-Temperature-Depth Profiler (XCTD): Processed (PI)

Data Policy: [JAMSTEC](#)

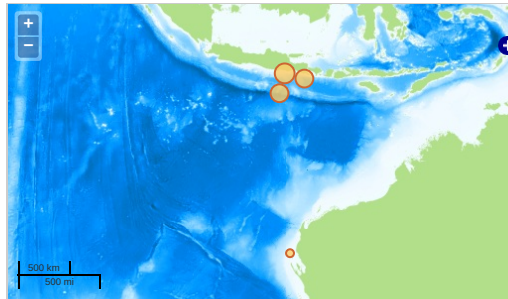
Observation Items: Depth, Temperature, Salinity

Science Keywords:

OCEANS > OCEAN > WATER
TEMPERATURE
OCEANS > SALINITY/DENSITY > SALINITY

Observation Map

1. Clicking the icon displays a balloon with observation information.



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

Data List

[Add to Basket](#)

File names

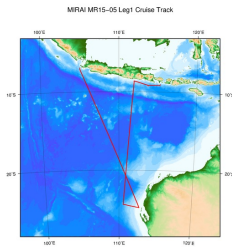
<input type="checkbox"/>	I10_00044_00001_xc1.csv
<input type="checkbox"/>	I10_00045_00001_xc1.csv
<input type="checkbox"/>	I10_00046_00001_xc1.csv
<input type="checkbox"/>	I10_00048_00001_xc1.csv
<input type="checkbox"/>	I10_00049_00001_xc1.csv
<input type="checkbox"/>	I10_00050_00001_xc1.csv
<input type="checkbox"/>	I10_00899_00001_xc1.csv
<input type="checkbox"/>	I10_00901_00001_xc1.csv
<input type="checkbox"/>	I10_00902_00001_xc1.csv
<input type="checkbox"/>	I10_00903_00001_xc1.csv
<input type="checkbox"/>	I10_00904_00001_xc1.csv
<input type="checkbox"/>	I10_00905_00001_xc1.csv
<input type="checkbox"/>	I10_00906_00001_xc1.csv
<input type="checkbox"/>	I10_00907_00001_xc1.csv
<input type="checkbox"/>	I10_00908_00001_xc1.csv
<input type="checkbox"/>	I10_00909_00001_xc1.csv
<input type="checkbox"/>	I10_00910_00001_xc1.csv
<input type="checkbox"/>	I10_00911_00001_xc1.csv
<input type="checkbox"/>	I10_00912_00001_xc1.csv
<input type="checkbox"/>	I10_00913_00001_xc1.csv

Observation List

The list of observation is shown as follows.

Observation	Time and Date	Lat. [°]	Lon. [°]
I10_00044_00001_xc1	2016-01-07 10:44	-10.4685	111.7880
I10_00045_00001_xc1	2016-01-07 16:38	-10.2223	111.8122
I10_00046_00001_xc1	2016-01-07 21:46	-9.9765	111.8368
I10_00048_00001_xc1	2016-01-08 05:07	-9.4842	111.8827
I10_00049_00001_xc1	2016-01-08 09:42	-9.2343	111.9038
I10_00050_00001_xc1	2016-01-08 14:26	-8.9892	111.9285
I10_00899_00001_xc1	2015-12-27 23:21	-24.6712	112.7230
I10_00901_00001_xc1	2016-01-09 12:47	-8.7045	112.2498
I10_00902_00001_xc1	2016-01-09 14:21	-8.7788	112.5000
I10_00903_00001_xc1	2016-01-09 16:00	-8.8548	112.7500
I10_00904_00001_xc1	2016-01-09 17:36	-8.9330	113.0000
I10_00905_00001_xc1	2016-01-09 19:10	-9.0102	113.2500
I10_00906_00001_xc1	2016-01-09 20:42	-9.0923	113.5023
I10_00907_00001_xc1	2016-01-10 00:58	-9.1637	113.7498
I10_00908_00001_xc1	2016-01-10 13:55	-9.1657	113.9998
I10_00909_00001_xc1	2016-01-10 15:21	-9.1677	114.2500
I10_00910_00001_xc1	2016-01-10 16:47	-9.1668	114.5002
I10_00911_00001_xc1	2016-01-10 18:18	-9.1667	114.7500
I10_00912_00001_xc1	2016-01-10 19:48	-9.1663	115.0000
I10_00913_00001_xc1	2016-01-10 21:59	-9.1657	115.2488

Related Information



[Enlarge Image](#)

MR15-05 Leg1

Ship Name: MIRAI

Period: 2015-12-23 - 2016-01-11

Chief Scientist: Katsuro Katsumata (JAMSTEC)

Project Name: [POST-WOCE Hydrography]

Proposal ▶ Research cruise on ocean decadal variability -- Indian Ocean GO-SHIP (Global Ocean Ship-based Hydrographic Investigation Program)

Update History

2018-05-31	An observation data was registered.
2018-01-31	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:

Copyright 2011 Japan Agency for Marine-Earth Science and Technology



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