

MIRAI MR12-05 Leg3 Expendable Conductivity-Temperature-Depth Profiler (XCTD)

Last Modified: 2018-04-09

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

Cruise ID: [MR12-05 Leg3](#)

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/MR12-05_leg1-3_all.pdf

For Using Data

Principal Investigator

Hiroshi Uchida (JAMSTEC)

Use Constraints

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

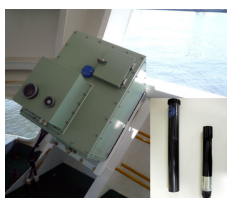
Data Citation

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

Instrument

Instrument:

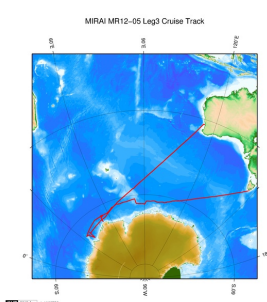
Expendable conductivity temperature
depth measurements (XCTD) (MR11-
04 -)



Overview

Please see the [Data book](#) for details of data.

Related Information



[Enlarge Image](#)

MR12-05 Leg3

Ship Name: MIRAI

Period: 2013-01-05 - 2013-02-15

Chief Scientist: Hiroshi Uchida (JAMSTEC)

Proposal ▶ WOCE-revisit in the western Pacific and Southern oceans

Title:

Update History

2018-04-09	An observation data was registerd.
2017-04-13	An observation data was registerd.
2015-05-16	An observation data was registerd.
2015-02-15	An observation data was registerd.

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[KAIYO](#)
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[KAIREI](#)
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[HAKUHO MARU](#)

Information of the Submersibles

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[SHINKAI 2000](#)
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XCTD WOCE-type1

Format Description for the Processed (PI) Data

Provided in the Exchange Format of CCHDO (CLIVAR and Carbon Hydrographic Data Office). Please see the following link for details of Exchange Format.

[CCHDO | CLIVAR & Carbon Hydrographic Data Office](#)

Data in following cruise is not expressed with Exchange Format. Please see the site of each cruise for format.

MR02-K05 Leg1

MR04-05

Format Description for the QCed Data

Each data file contains one line header (meta data) followed by data lines for each cast.

The number of data lines are recorded in the header.

Header part

No.	Column	Content	Format	Remarks
1	1	Header ID	a1	fixed as '#'
2	3 - 6	Data ID	a4	XCTD
3	8 - 22	Cruise ID	a15	
4	33 - 40	Date	i8	YYYYMMDD (UTC)
5	42 - 45	Time	i4	hhmm (UTC)
6	47 - 55	Latitude	i2,a1,f5.2,a1	dd-mm.mmN(S)
7	57 - 66	Longitude	i3,a1,f5.2,a1	ddd-mm.mmE(W)
8	68 - 71	Number of data lines	i4	
9	72 - 73	Terminator	-	CR+LF

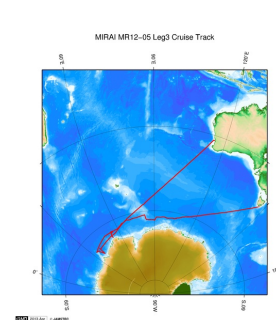
Data part

No.	Column	Content	Unit	Format	Remarks
1	1 - 11	Depth	dbar	f11.1	
2	12 - 22	Temperature	deg-C	f11.2	ITS-90
3	23 - 33	Salinity	PSU	f11.3	PSS-78
4	45 - 55	Flag	-	i11	1 - 7 : space 8 : flag of depth 9 : flag of temperature 10 : flag of salinity 11 : space * reference : Definition of Quality Control Flags
5	56 - 57	Terminator	-	-	CR+LF

Each contents of the data part is stored in 11 bytes.

Missing value is presented by '-5', and error value is presented by '-9'.

Related Information



[Enlarge Image](#)

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HAKUHO MARU

6K Sonar DEEP TOW
KM-ROV
POWER GRAB SAMPLER
(SHELL)
POWER GRAB SAMPLER
(CLOW)
BMS

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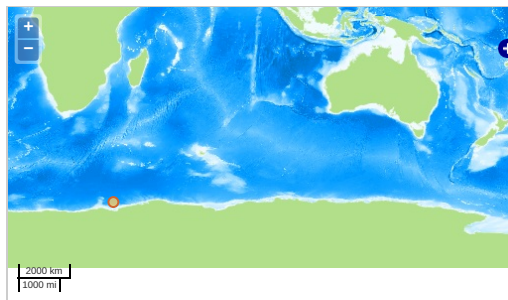
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Science Keywords:

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

Imagery reproduced from ...

Data List

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☐ File names

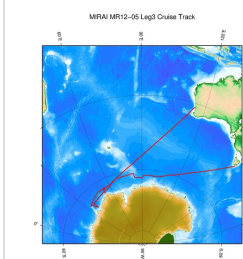
☐ S04I_00166_00001_xc1.csv

☐ S04I_00167_00001_xc1.csv

• Observation List
The list of observation is shown as follows.

Observation	Time and Date	Lat. [°]	Lon. [°]
S04I_00166_00001_xc1	2013-02-02 12:12	-66.0018	38.0015
S04I_00167_00001_xc1	2013-02-02 06:03	-65.4992	38.0005

Related Information



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