

MIRAI MR03-K02 Conductivity-Temperature-Depth Profiler (CTD)

Last Modified: 2017-04-11

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

Cruise ID: [MR03-K02](#)

Conductivity-Temperature-Depth Profiler (CTD): Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items: Pressure, Temperature, Salinity, Dissolved oxygen

Science Keywords:

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

Cruise Report

http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR03-K02_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:

Water sampling system with CTD (30
litters * 24 bottles)



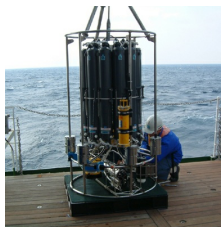
Instrument:

Water sampling system with CTD (12
litters * 36 bottles)



Instrument:

Water sampling system with CTD (12
litters * 12 bottles)



Instrument:

Conductivity temperature depth
measurements (CTD)



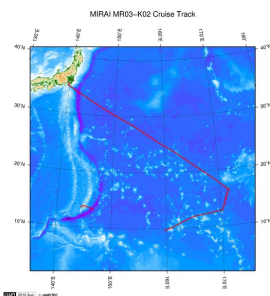
Overview

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

Note

In this cruise, there is extra data (fluorescence intensity, transmittance, distance to bottom) in addition to temperature, salinity, dissolved oxygen that has been opened to the public. Please contact us from "Contact Us" above if necessary.

Related Information



[Enlarge Image](#)

MR03-K02

Ship Name: MIRAI
Period: 2003-05-21 - 2003-06-06
Chief Scientist: Hirofumi Yamamoto (JAMSTEC)

Update History

2017-04-11	An observation data was registered.
2014-07-23	An observation data was registered.

2012-12-25

An observation data was registerd.

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Go to a Cruise Information

Cruise ID:

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Dive ID:

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CTD 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	CTD
3	8 - 22	Cruise ID	a15	MYYY-(K)XX(_legx)
4	24 - 31	Cast name	a8	
5	33 - 40	Date	i8	YYYYMMDD (UTC)
6	42 - 45	Time	i4	hhmm (UTC)
7	47 - 55	Latitude	i2,a1,f5.2,a1	dd-mm.mmN(S)
8	57 - 66	Longitude	i3,a1,f5.2,a1	ddd-mm.mmE(W)
9	68 - 71	Number of data lines	i4	
10	72 - 73	Terminator	-	CR+LF

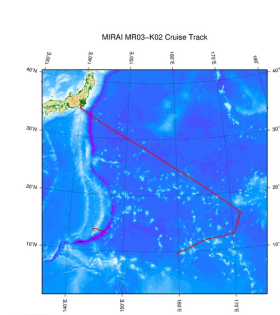
Data part

No.	Column	Content	Unit	Format	Remarks
1	1 - 11	Pressure	dbar	f11.3	
2	12 - 22	Temperature	deg-C	f11.4	ITS-90
3	23 - 33	Salinity	PSU	f11.4	PSS-78
4	34 - 44	Dissolved oxygen	umol/kg	f11.3	
5	45 - 55	Flag	-	i11	1 - 7 : space 8 : flag of pressure 9 : flag of temperature 10 : flag of salinity 11 : flag of dissolved oxygen * reference : Definition of Quality Control Flags
6	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



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Chief Scientist: Hirofumi Yamamoto (JAMSTEC)

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Update History
Feeds

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HAKUHO MARU

YOKOSUKA DEEP TOW
6K Camera DEEP TOW
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POWER GRAB SAMPLER
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Data Policy: **JAMSTEC**

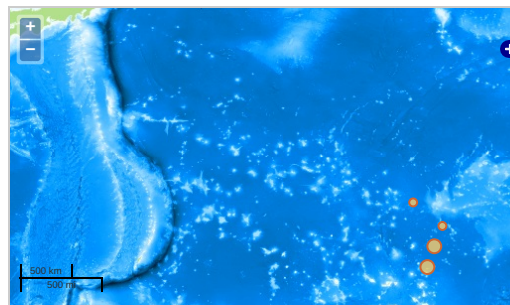
Observation Items: Pressure, Temperature, Salinity, Dissolved oxygen

Science Keywords:

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

Observation Map

1. Clicking the icon displays a balloon with observation information.
2. Then click the observation name, figures will be displayed.

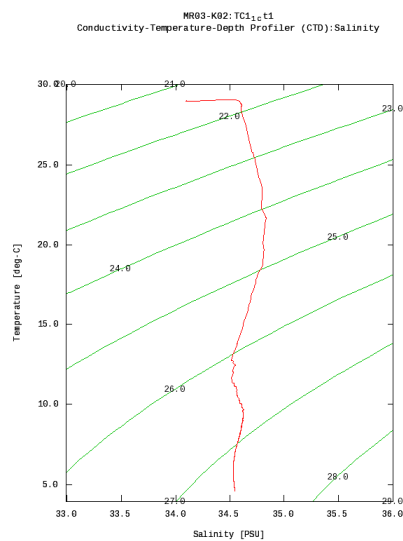


— ... Observation Line — ... Navigation ● ... Observation, Dive Point, Hole

Imagery reproduced from ...

Figures

TC1_1_ct1



Data List

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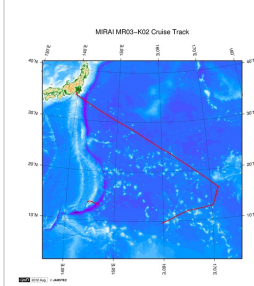
<input type="checkbox"/> File names
<input type="checkbox"/> TC1_1_ct1.csv
<input type="checkbox"/> TC2_1_ct1.csv
<input type="checkbox"/> TR1_1_ct1.csv
<input type="checkbox"/> WIFE_WC1_1_ct1.csv
<input type="checkbox"/> WIFE_WC2_1_ct1.csv
<input type="checkbox"/> WIFE_WC3_1_ct1.csv
<input type="checkbox"/> WIFE_WC4_1_ct1.csv
<input type="checkbox"/> WIFE_WC5_1_ct1.csv
<input type="checkbox"/> WIFE_WC6_1_ct1.csv
<input type="checkbox"/> WIFE_WC7_1_ct1.csv
<input type="checkbox"/> WIFE_WC8_1_ct1.csv
<input type="checkbox"/> WIFE_WC9_1_ct1.csv

● Observation List

The list of observation is shown as follows.

Observation	Time and Date	Lat. [°]	Lon. [°]
TC1_1_ct1	2003-06-02 21:35	8.0240	155.9762
TC2_1_ct1	2003-06-04 01:46	7.9462	156.0265
TR1_1_ct1	2003-05-27 00:28	18.5078	168.9848
WIFE_WC1_1_ct1	2003-05-30 20:04	12.7710	170.2478
WIFE_WC2_1_ct1	2003-05-30 13:54	13.2078	170.4165
WIFE_WC3_1_ct1	2003-05-30 07:39	13.6307	170.5500
WIFE_WC4_1_ct1	2003-05-29 22:43	14.1268	170.7463
WIFE_WC5_1_ct1	2003-05-29 08:14	14.6155	170.8613
WIFE_WC6_1_ct1	2003-05-29 14:46	15.0478	171.0855
WIFE_WC7_1_ct1	2003-05-28 13:45	15.5162	171.2513
WIFE_WC8_1_ct1	2003-05-28 05:34	15.9705	171.4127
WIFE_WC9_1_ct1	2003-05-27 17:14	16.4188	171.5812

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