

MIRAI MR12-02 Leg1 Conductivity-Temperature-Depth Profiler (CTD)

Last Modified: 2014-09-10

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

Cruise ID: [MR12-02 Leg1](#)

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/MR12-02_leg1-2_all.pdf

[For Using Data](#)

Principal Investigator

Data Management Office

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:

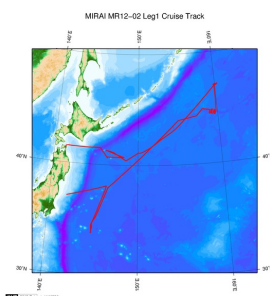
Conductivity temperature depth
measurements (CTD)



Overview

[Please see here for the cruise report.](#)

Related Information



[Enlarge Image](#)

MR12-02 Leg1

Ship Name: MIRAI

Period: 2012-06-04 - 2012-06-24

Chief Scientist: Makio Honda (JAMSTEC)

Project Name: [Station K2, Station KNOT]

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

Title:

Update History

2014-09-10	An observation data was registerd.
2014-08-31	An observation data was registerd.

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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

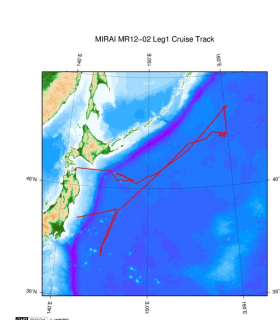
Data part

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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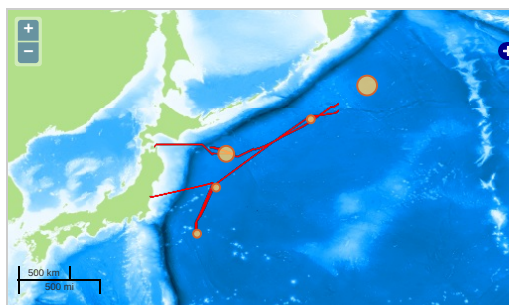
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Science Keywords:

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.



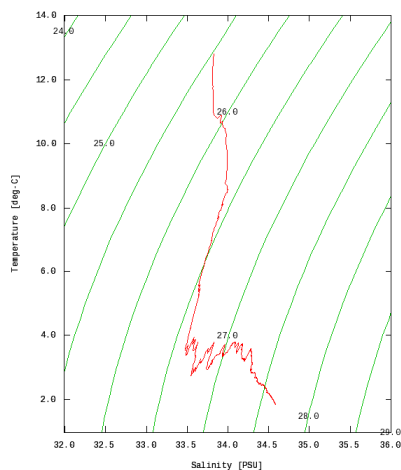
Imagery reproduced from ...

Figures

E01_01_ct1




MR12-02 Leg1:E01_01_ct1
Conductivity-Temperature-Depth Profiler (CTD):Salinity





Data List


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<input type="checkbox"/> File names
<input type="checkbox"/> E01_01_ct1.csv
<input type="checkbox"/> E02_01_ct1.csv
<input type="checkbox"/> E03_01_ct1.csv
<input type="checkbox"/> E04_01_ct1.csv
<input type="checkbox"/> E05_01_ct1.csv
<input type="checkbox"/> JKO_01_ct1.csv
<input type="checkbox"/> K02_01_ct1.csv
<input type="checkbox"/> K02_02_ct1.csv
<input type="checkbox"/> K02_03_ct1.csv
<input type="checkbox"/> K02_04_ct1.csv
<input type="checkbox"/> K02_05_ct1.csv
<input type="checkbox"/> K02_06_ct1.csv
<input type="checkbox"/> K02_07_ct1.csv

 [K02_08_ct1.csv](#)

 [K02_09_ct1.csv](#)

 [K02_10_ct1.csv](#)

 [KNT_01_ct1.csv](#)

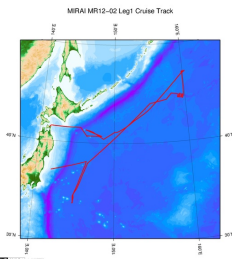
 [NKO_01_ct1.csv](#)

● Observation List

The list of observation is shown as follows.

Observation	Time and Date	Lat. [°]	Lon. [°]
E01_01_ct1	2012-06-05 00:00	40.9352	147.4888
E02_01_ct1	2012-06-06 00:00	41.1010	147.1605
E03_01_ct1	2012-06-06 00:00	41.1460	146.9803
E04_01_ct1	2012-06-05 00:00	41.2360	146.5478
E05_01_ct1	2012-06-05 00:00	41.3000	146.1757
JKO_01_ct1	2012-06-19 00:00	37.9387	146.5988
K02_01_ct1	2012-06-10 00:00	46.9943	159.9978
K02_02_ct1	2012-06-10 00:00	46.9937	160.0045
K02_03_ct1	2012-06-10 00:00	46.9995	160.0002
K02_04_ct1	2012-06-11 00:00	47.0015	160.0002
K02_05_ct1	2012-06-11 00:00	46.9963	160.0008
K02_06_ct1	2012-06-11 00:00	47.0002	160.0052
K02_07_ct1	2012-06-12 00:00	47.0528	160.1030
K02_08_ct1	2012-06-13 00:00	47.0593	160.2942
K02_09_ct1	2012-06-13 00:00	47.0165	160.0505
K02_10_ct1	2012-06-14 00:00	47.0027	160.0158
KNT_01_ct1	2012-06-17 00:00	44.0007	154.9993
NKO_01_ct1	2012-06-21 00:00	33.8405	144.9023

Related Information



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