

MIRAI MR11-08 Leg2 Conductivity-Temperature-Depth Profiler (CTD)

Last Modified: 2017-04-11

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

Cruise ID: [MR11-08 Leg2](#)

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/MR11-08_leg1-3_all.pdf

[For Using Data](#)

Principal Investigator

Hiroshi Uchida (JAMSTEC)

Use Constraints

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

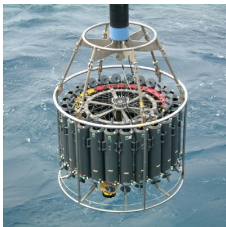
Data Citation

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

Instrument

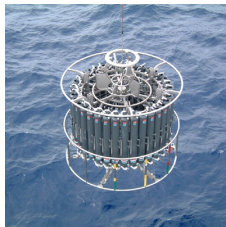
Instrument:

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



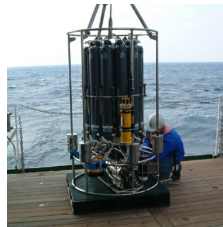
Instrument:

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



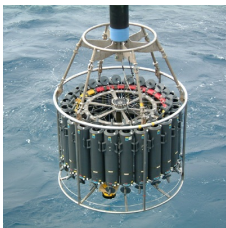
Instrument:

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



Instrument:

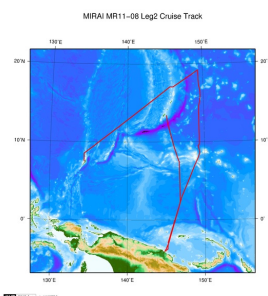
Conductivity temperature depth
measurements (CTD)



Overview

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

Related Information



[Enlarge Image](#)

MR11-08 Leg2

Ship Name: MIRAI

Period: 2011-12-20 - 2012-01-12

Chief Scientist: Akihiko Murata (JAMSTEC)

Project Name: [POST-WOCE Hydrography]

Update History

2017-04-11	An observation data was registerd.
2014-08-09	An observation data was registerd.
2014-04-23	An observation data was registerd.
2013-02-09	An observation data was registerd.

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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

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Go to a Dive Information

Dive ID:

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Data Policy: [JAMSTEC](#)

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

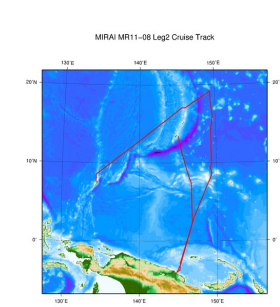
Data part

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



[Enlarge Image](#)

MR11-08 Leg2

Ship Name: MIRAI
Period: 2011-12-20 - 2012-01-12
Chief Scientist: Akihiko Murata (JAMSTEC)
Project Name: [POST-WOCE Hydrography]

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POWER GRAB SAMPLER
(SHELL)
POWER GRAB SAMPLER
(CLOW)
BMS

Dive ID:

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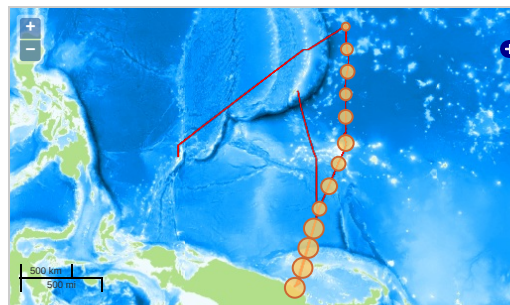
Observation Items: Pressure, Temperature, Salinity, Dissolved oxygen

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

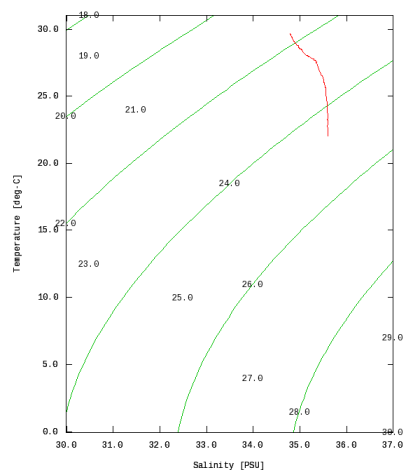
Imagery reproduced from ...

Figures

P10_00001_00001_ct1



MR11-08 Leg2:P10_00001_00001_ct1
Conductivity-Temperature-Depth Profiler (CTD):Salinity





























Data List

[Add to Basket](#)

File names

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<input type="checkbox"/>	P10_00002_00001_ct1.csv
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 P10_00013_00001_ct1.csv
 P10_00014_00001_ct1.csv
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 P10_00056_00001_ct1.csv
 P10_00057_00001_ct1.csv
 P10_00058_00001_ct1.csv
 P10_00059_00001_ct1.csv

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

Observation	Time and Date	Lat. [°]	Lon. [°]
P10_00001_00001_ct1	2012-01-03 15:09	-4.0163	144.8115
P10_00002_00001_ct1	2012-01-03 17:49	-3.9818	144.8320
P10_00002_00002_ct1	2012-01-03 19:37	-3.9808	144.8330
P10_00003_00001_ct1	2012-01-03 22:47	-3.8922	144.8932
P10_00004_00001_ct1	2012-01-04 02:08	-3.6150	145.0145
P10_00005_00001_ct1	2012-01-04 05:39	-3.3093	145.1523
P10_00006_00001_ct1	2012-01-04 09:22	-3.0030	145.2870
P10_00007_00001_ct1	2012-01-04 12:53	-2.7508	145.3602
P10_00008_00001_ct1	2012-01-04 16:10	-2.5013	145.4272
P10_00009_00001_ct1	2012-01-04 19:12	-2.2507	145.5003
P10_00010_00001_ct1	2012-01-04 22:07	-2.0018	145.5680
P10_00010_00002_ct1	2012-01-04 23:59	-2.0023	145.5688
P10_00011_00001_ct1	2012-01-05 02:57	-1.7503	145.6422
P10_00012_00001_ct1	2012-01-05 06:24	-1.4988	145.7083
P10_00013_00001_ct1	2012-01-05 10:13	-1.2483	145.7833
P10_00014_00001_ct1	2012-01-05 14:06	-0.9972	145.8538
P10_00015_00001_ct1	2012-01-05 18:29	-0.7482	145.9257
P10_00016_00001_ct1	2012-01-05 23:12	-0.4765	146.0050
P10_00017_00001_ct1	2012-01-06 04:35	-0.2465	146.0667
P10_00018_00001_ct1	2012-01-06 10:16	0.0000	146.1382
P10_00019_00001_ct1	2012-01-06 15:30	0.2508	146.2098
P10_00020_00001_ct1	2012-01-06 19:59	0.5022	146.2798
P10_00021_00001_ct1	2012-01-07 01:31	0.7508	146.3543
P10_00022_00001_ct1	2012-01-07 06:29	0.9997	146.4247
P10_00023_00001_ct1	2012-01-07 10:34	1.2502	146.5017
P10_00023_00002_ct1	2012-01-07 13:11	1.2483	146.5017
P10_00024_00001_ct1	2012-01-07 18:23	1.5030	146.5702

Observation ID	Time and Date	Lat (°N)	Lon (°E)
P10_00026_00001_ct1	2012-01-08 04:30	1.9972	146.7163
P10_00027_00001_ct1	2012-01-01 00:40	2.2528	146.7830
P10_00028_00001_ct1	2011-12-31 19:42	2.4987	146.8598
P10_00029_00001_ct1	2011-12-31 14:09	2.7508	146.9308
P10_00030_00001_ct1	2011-12-31 09:23	3.0065	146.9982
P10_00031_00001_ct1	2011-12-31 03:46	3.5067	147.2157
P10_00032_00001_ct1	2011-12-30 22:13	4.0053	147.4273
P10_00033_00001_ct1	2011-12-30 16:54	4.5018	147.6417
P10_00034_00001_ct1	2011-12-30 08:58	5.0000	147.8548
P10_00034_00002_ct1	2011-12-30 11:27	5.0020	147.8537
P10_00035_00001_ct1	2011-12-30 04:29	5.5000	148.0662
P10_00036_00001_ct1	2011-12-29 23:10	6.0025	148.2728
P10_00037_00001_ct1	2011-12-29 18:08	6.5002	148.4843
P10_00038_00001_ct1	2011-12-29 13:18	7.0013	148.6927
P10_00039_00001_ct1	2011-12-29 09:13	7.5007	148.9307
P10_00040_00001_ct1	2011-12-29 04:53	8.0000	149.1655
P10_00041_00001_ct1	2011-12-29 00:02	8.5043	149.3300
P10_00042_00001_ct1	2011-12-28 19:27	8.8355	149.3315
P10_00043_00001_ct1	2011-12-28 13:03	9.4897	149.1662
P10_00044_00001_ct1	2011-12-28 07:27	9.6988	149.3313
P10_00045_00001_ct1	2011-12-28 01:41	10.0003	149.3338
P10_00046_00001_ct1	2011-12-27 19:36	10.5017	149.3320
P10_00047_00001_ct1	2011-12-27 09:51	11.1618	149.3298
P10_00047_00002_ct1	2011-12-27 12:45	11.1570	149.3332
P10_00048_00001_ct1	2011-12-27 04:04	11.8355	149.3247
P10_00049_00001_ct1	2011-12-26 21:15	12.5002	149.3293
P10_00050_00001_ct1	2011-12-26 14:13	13.1670	149.3337
P10_00051_00002_ct1	2011-12-26 07:12	13.8395	149.3140
P10_00052_00001_ct1	2011-12-25 21:59	14.5032	149.3355
P10_00053_00001_ct1	2011-12-25 12:16	15.1673	149.4988
P10_00053_00002_ct1	2011-12-25 15:10	15.1680	149.4983
P10_00054_00001_ct1	2011-12-25 06:51	15.8348	149.5833
P10_00055_00001_ct1	2011-12-25 00:22	16.4970	149.5832
P10_00056_00001_ct1	2011-12-24 17:35	17.1658	149.4313
P10_00057_00001_ct1	2011-12-24 11:01	17.8397	149.3858
P10_00058_00001_ct1	2011-12-24 04:19	18.5013	149.3857
P10_00059_00001_ct1	2011-12-23 21:26	19.1732	149.3372

Related Information

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Ship Name: MIRAI
Period: 2011-12-20 - 2012-01-12
Chief Scientist: Akihiko Murata (JAMSTEC)
Project Name: [POST-WOCE Hydrography]

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JAPAN AGENCY FOR MARINE-EARTH SCIENCE AND TECHNOLOGY

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