

## MIRAI MR11-08 Leg3 Conductivity-Temperature-Depth Profiler (CTD)

Last Modified: 2017-04-11

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

Cruise ID: [MR11-08 Leg3](#)

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](http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR11-08_leg1-3_all.pdf)

### **i** 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

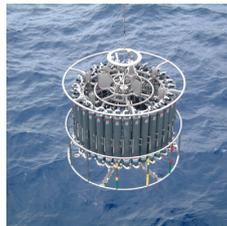
Instrument:

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



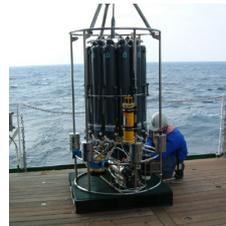
Instrument:

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



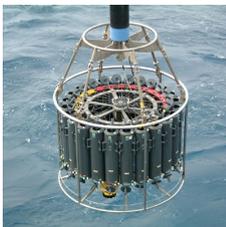
Instrument:

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



Instrument:

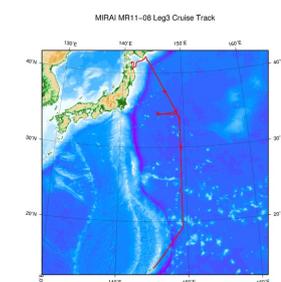
Conductivity temperature depth  
measurements (CTD)



### Overview

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

### Related Information



[Enlarge Image](#)

#### MR11-08 Leg3

Ship Name: MIRAI  
Period: 2012-01-12 - 2012-02-09  
Chief Scientist: Yuichiro Kumamoto (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.
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**Lists**

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**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:



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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

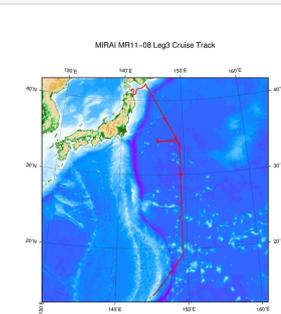
Data part

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 : <a href="#">Definition of Quality Control Flags</a>
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 Leg3

Ship Name: MIRAI

Period: 2012-01-12 - 2012-02-09

Chief Scientist: Yuichiro Kumamoto (JAMSTEC)

Project Name: [POST-WOCE Hydrography]

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Dive ID:

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**JAMSTEC**  
JAPAN AGENCY FOR MARINE-EARTH SCIENCE AND TECHNOLOGY

国立研究開発法人  
海洋研究開発機構

**MIRAI MR11-08 Leg3 Conductivity-Temperature-Depth Profiler (CTD)**

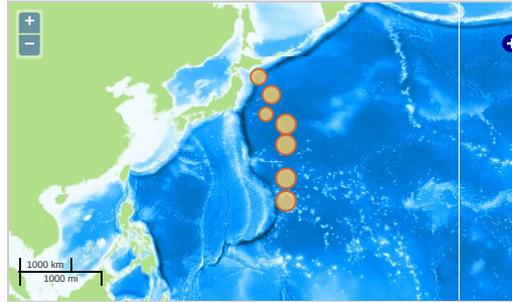
Last Modified: 2017-04-11

ReadMe **Observation Data** Data Format

Cruise ID: **MR11-08 Leg3**  
 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 > 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.



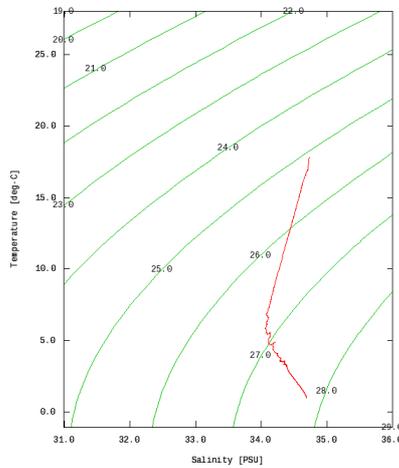
— ... Observation Line — ... Navigation ● ... Observation, Dive Point, Hole

**Figures**

901\_00901\_00001\_ct1



MR11-08 Leg3:901\_00901\_00001\_ct1  
 Conductivity-Temperature-Depth Profiler (CTD):Salinity



**Data List**

- File names**
- 901\_00901\_00001\_ct1.csv
  - P10N\_00075\_00001\_ct1.csv
  - P10N\_00076\_00001\_ct1.csv
  - P10N\_00077\_00001\_ct1.csv
  - P10N\_00077\_00002\_ct1.csv
  - P10N\_00078\_00001\_ct1.csv
  - P10N\_00079\_00001\_ct1.csv
  - P10N\_00080\_00001\_ct1.csv
  - P10N\_00081\_00001\_ct1.csv
  - P10N\_00081\_00002\_ct1.csv
  - P10N\_00082\_00001\_ct1.csv
  - P10N\_00083\_00001\_ct1.csv
  - P10N\_00084\_00001\_ct1.csv

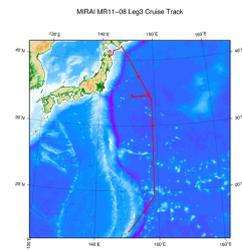
P10N_00084_00002_ct1.csv
P10N_00085_00001_ct1.csv
P10N_00086_00001_ct1.csv
P10N_00086_00002_ct1.csv
P10N_00087_00001_ct1.csv
P10N_00088_00001_ct1.csv
P10N_00090_00001_ct1.csv
P10N_00090_00003_ct1.csv
P10N_00092_00003_ct1.csv
P10N_00094_00002_ct1.csv
P10N_00094_00003_ct1.csv
P10N_00096_00001_ct1.csv
P10N_00098_00001_ct1.csv
P10N_00098_00002_ct1.csv
P10N_00100_00001_ct1.csv
P10N_00102_00001_ct1.csv
P10N_00102_00002_ct1.csv
P10N_00104_00001_ct1.csv
P10N_00106_00001_ct1.csv
P10N_00106_00002_ct1.csv
P10N_00110_00001_ct1.csv
P10N_00110_00002_ct1.csv
P10N_00112_00001_ct1.csv
P10N_00114_00001_ct1.csv
P10N_00115_00001_ct1.csv
P10_00059_00002_ct1.csv
P10_00060_00001_ct1.csv
P10_00060_00002_ct1.csv
P10_00061_00001_ct1.csv
P10_00062_00001_ct1.csv
P10_00063_00001_ct1.csv
P10_00064_00001_ct1.csv
P10_00065_00001_ct1.csv
P10_00066_00001_ct1.csv
P10_00067_00002_ct1.csv
P10_00067_00003_ct1.csv
P10_00068_00001_ct1.csv
P10_00069_00001_ct1.csv
P10_00070_00001_ct1.csv
P10_00071_00001_ct1.csv
P10_00071_00002_ct1.csv
P10_00072_00001_ct1.csv
P10_00073_00001_ct1.csv
P10_00074_00001_ct1.csv
P10_00074_00002_ct1.csv

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

Observation	Time and Date	Lat. [°]	Lon. [°]
901_00901_00001_ct1	2012-01-28 06:01	34.6105	145.8163
P10N_00075_00001_ct1	2012-01-19 18:45	29.1678	149.3343
P10N_00076_00001_ct1	2012-01-20 02:09	29.8335	149.3392
P10N_00077_00001_ct1	2012-01-20 09:51	29.9847	149.2592
P10N_00077_00002_ct1	2012-01-22 00:06	29.9807	149.2520
P10N_00078_00001_ct1	2012-01-22 07:12	30.5013	149.3320
P10N_00079_00001_ct1	2012-01-22 14:33	31.1663	149.3365
P10N_00080_00001_ct1	2012-01-23 00:35	31.8327	149.3275
P10N_00081_00001_ct1	2012-01-23 04:53	32.1653	149.3295
P10N_00081_00002_ct1	2012-01-23 07:26	32.1612	149.3245
P10N_00082_00001_ct1	2012-01-23 12:51	32.4950	149.3338
P10N_00083_00001_ct1	2012-01-23 20:49	32.8173	149.3352
P10N_00084_00001_ct1	2012-01-24 07:05	33.1532	149.3290
P10N_00084_00002_ct1	2012-01-24 14:48	33.1552	149.3222
P10N_00085_00001_ct1	2012-01-24 20:42	33.4920	149.3322
P10N_00086_00001_ct1	2012-01-25 01:14	33.7443	149.3282
P10N_00086_00002_ct1	2012-01-25 23:29	33.7372	149.3230
P10N_00087_00001_ct1	2012-01-26 05:35	33.9973	149.3048
P10N_00088_00001_ct1	2012-01-25 16:38	34.2542	149.1673
P10N_00090_00001_ct1	2012-01-27 04:31	34.7638	148.8720
P10N_00090_00003_ct1	2012-01-30 19:53	34.7693	148.8975
P10N_00092_00003_ct1	2012-01-31 06:18	35.4190	148.4542
P10N_00094_00002_ct1	2012-01-31 15:34	36.0842	148.0430
P10N_00094_00003_ct1	2012-01-31 17:41	36.0833	148.0433
P10N_00096_00001_ct1	2012-02-01 01:00	36.7392	147.6242
P10N_00098_00001_ct1	2012-02-01 09:34	37.4178	147.1972
P10N_00098_00002_ct1	2012-02-03 01:05	37.4167	147.1932
P10N_00100_00001_ct1	2012-02-03 09:24	38.0702	146.7442
P10N_00102_00001_ct1	2012-02-03 16:00	38.7522	146.3163
P10N_00102_00002_ct1	2012-02-03 18:35	38.7525	146.3143
P10N_00104_00001_ct1	2012-02-04 01:54	39.4158	145.8447
P10N_00106_00001_ct1	2012-02-04 07:52	40.0837	145.3702
P10N_00106_00002_ct1	2012-02-04 10:39	40.0848	145.3687
P10N_00110_00001_ct1	2012-02-05 05:16	41.2503	144.5118

Observation ID	Time and Date	Lat	Long
P10N_00112_00001_ct1	2012-02-05 12:44	41.7507	144.1268
P10N_00114_00001_ct1	2012-02-05 18:37	42.1675	143.8085
P10N_00115_00001_ct1	2012-02-05 21:30	42.2530	143.7405
P10_00059_00002_ct1	2012-01-14 08:43	19.1675	149.3303
P10_00060_00001_ct1	2012-01-14 16:28	19.8315	149.3320
P10_00060_00002_ct1	2012-01-14 18:54	19.8310	149.3330
P10_00061_00001_ct1	2012-01-15 00:52	20.4932	149.3322
P10_00062_00001_ct1	2012-01-15 12:25	21.1808	149.3422
P10_00063_00001_ct1	2012-01-15 21:13	21.8322	149.3333
P10_00064_00001_ct1	2012-01-16 04:08	22.4967	149.3330
P10_00065_00001_ct1	2012-01-16 10:58	23.1778	149.3413
P10_00066_00001_ct1	2012-01-16 17:45	23.8263	149.3375
P10_00067_00002_ct1	2012-01-16 23:35	24.2432	149.0372
P10_00067_00003_ct1	2012-01-17 02:34	24.2405	149.0332
P10_00068_00001_ct1	2012-01-17 08:30	24.5003	149.3350
P10_00069_00001_ct1	2012-01-17 17:43	25.1637	149.3310
P10_00070_00001_ct1	2012-01-18 01:20	25.8322	149.3217
P10_00071_00001_ct1	2012-01-18 07:38	26.4982	149.3320
P10_00071_00002_ct1	2012-01-18 10:30	26.4967	149.3330
P10_00072_00001_ct1	2012-01-18 19:54	27.1647	149.3343
P10_00073_00001_ct1	2012-01-19 03:03	27.8307	149.3283
P10_00074_00001_ct1	2012-01-19 08:45	28.4983	149.3265
P10_00074_00002_ct1	2012-01-19 11:33	28.4973	149.3280

#### Related Information



[Enlarge Image](#)

#### MR11-08 Leg3

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 Period: 2012-01-12 - 2012-02-09  
 Chief Scientist: Yuichiro Kumamoto (JAMSTEC)  
 Project Name: [POST-WOCE Hydrography]

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