

## MIRAI MR01-K04 Leg1 Conductivity-Temperature-Depth Profiler (CTD)

Last Modified: 2017-04-11

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

Cruise ID: [MR01-K04 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/MR01-K04\\_leg1\\_all.pdf](http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR01-K04_leg1_all.pdf)

### [For Using Data](#)

#### Principal Investigator

Hiroshi Uchida / Masao Fukasawa (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)



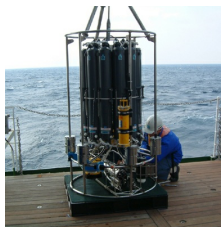
Instrument:

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



Instrument:

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



Instrument:

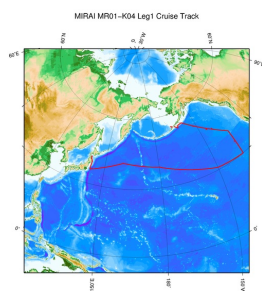
Conductivity temperature depth  
measurements (CTD)



### Overview

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

### Related Information



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[Enlarge Image](#)

#### MR01-K04 Leg1

Ship Name: MIRAI

Period: 2001-07-23 - 2001-08-27

Chief Scientist: Masao Fukasawa (JAMSTEC)

Project Name: [POST-WOCE Hydrography]

### Update History

2017-04-11	An observation data was registerd.
2014-07-16	An observation data was registerd.
2012-12-25	An observation data was registerd.

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**What's New**  
[Update History](#)  
[Feeds](#)

[Publication List](#)  
[Amount of Public Info.](#)  
  
**Data**  
[Map Search](#)  
[Data Tree](#)  
[Detailed Search](#)

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**Submersibles**  
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[URASHIMA](#)  
[YOKOSUKA DEEP TOW](#)  
[6K Camera DEEP TOW](#)  
[6K Sonar DEEP TOW](#)  
[KM-ROV](#)  
[POWER GRAB SAMPLER \(SHELL\)](#)  
[POWER GRAB SAMPLER \(CLOW\)](#)  
[BMS](#)

Cruise ID:

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Dive ID:

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JAPAN AGENCY FOR MARINE-EARTH SCIENCE AND TECHNOLOGY

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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

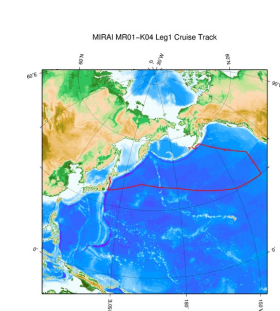
Data part

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](#)

#### MR01-K04 Leg1

Ship Name: MIRAI

Period: 2001-07-23 - 2001-08-27

Chief Scientist: Masao Fukasawa (JAMSTEC)

Project Name: [POST-WOCE Hydrography]

### Update History

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2014-07-16	An observation data was registerd.
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Update History  
Feeds

SHINSEI MARU  
HAKUHO MARU

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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Data Policy: [JAMSTEC](#)

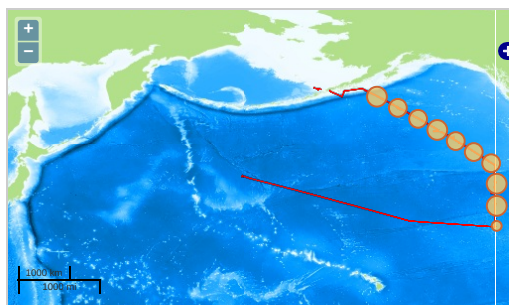
Observation Items: Pressure, Temperature, Salinity, Dissolved oxygen

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.

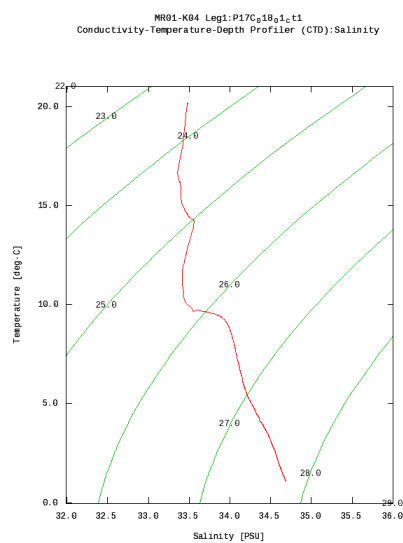


— Observation Line — Navigation ● Observation, Dive Point, Hole

Imagery reproduced from ...

### Figures

P17C\_018\_01\_ct1
























































### Data List

[Add to Basket](#)

#### File names

<input type="checkbox"/>	P17C_018_01_ct1.csv
<input type="checkbox"/>	P17C_019_01_ct1.csv
<input type="checkbox"/>	P17C_020_01_ct1.csv
<input type="checkbox"/>	P17C_021_01_ct1.csv
<input type="checkbox"/>	P17C_022_01_ct1.csv
<input type="checkbox"/>	P17C_023_01_ct1.csv
<input type="checkbox"/>	P17C_024_01_ct1.csv
<input type="checkbox"/>	P17C_025_01_ct1.csv
<input type="checkbox"/>	P17C_026_01_ct1.csv
<input type="checkbox"/>	P17N_028_01_ct1.csv
<input type="checkbox"/>	P17N_029_01_ct1.csv
<input type="checkbox"/>	P17N_030_01_ct1.csv
<input type="checkbox"/>	P17N_031_01_ct1.csv

	P17N_022_01_ctl.csv
	P17N_033_01_ctl.csv
	P17N_034_01_ctl.csv
	P17N_035_01_ctl.csv
	P17N_036_01_ctl.csv
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	P17N_088_01_ctl.csv
	P17N_090_01_ctl.csv
	P17N_092_01_ctl.csv
	P17N_093_01_ctl.csv
	P17N_094_01_ctl.csv
	P17N_096_02_ctl.csv
	P17N_098_01_ctl.csv
	P17N_099_01_ctl.csv
	P17N_X01_01_ctl.csv

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

Observation	Time and Date	Lat. [°]	Lon. [°]
P17C_018_01_ctl	2001-08-08 14:09	34.0693	-134.9977
P17C_019_01_ctl	2001-08-08 08:51	33.5715	-135.0100
P17C_020_01_ctl	2001-08-08 03:20	33.0028	-135.0028
P17C_021_01_ctl	2001-08-07 22:38	32.6052	-135.0062
P17C_022_01_ctl	2001-08-07 16:55	32.0007	-134.9970
P17C_023_01_ctl	2001-08-07 11:42	31.5325	-134.9972
P17C_024_01_ctl	2001-08-07 06:34	31.0107	-135.0015
P17C_025_01_ctl	2001-08-07 01:35	30.5180	-135.0043
P17C_026_01_ctl	2001-08-06 20:30	30.0002	-134.9947
P17N_028_01_ctl	2001-08-08 19:44	34.5877	-135.0042
P17N_029_01_ctl	2001-08-09 01:19	34.9920	-135.0055
P17N_030_01_ctl	2001-08-09 06:57	35.5038	-135.0095
P17N_031_01_ctl	2001-08-09 18:15	35.9992	-135.0133
P17N_032_01_ctl	2001-08-09 23:52	36.4990	-135.0072
P17N_033_01_ctl	2001-08-10 05:31	37.0032	-135.0087
P17N_034_01_ctl	2001-08-10 11:02	37.5013	-135.0022

Observation ID	Time and Date	SAT (°C)	Lat (°N)
P17N_036_01_ct1	2001-08-10 22:17	38.5040	-135.0048
P17N_037_01_ct1	2001-08-11 03:28	38.9977	-135.0087
P17N_038_01_ct1	2001-08-11 08:52	39.5035	-135.0112
P17N_039_01_ct1	2001-08-11 13:36	39.6195	-135.0097
P17N_040_01_ct1	2001-08-11 18:27	39.8150	-135.0047
P17N_042_01_ct1	2001-08-11 22:03	39.9143	-135.0138
P17N_043_01_ct1	2001-08-12 02:01	39.9702	-135.0100
P17N_044_01_ct1	2001-08-12 06:25	40.0002	-135.0075
P17N_045_01_ct1	2001-08-12 11:18	40.5032	-135.0017
P17N_046_01_ct1	2001-08-12 23:02	40.9908	-134.9867
P17N_047_01_ct1	2001-08-13 04:28	41.3167	-135.4973
P17N_048_01_ct1	2001-08-13 09:56	41.6415	-135.9917
P17N_049_01_ct1	2001-08-13 15:10	41.9818	-136.5010
P17N_050_01_ct1	2001-08-13 20:21	42.3247	-137.0148
P17N_051_01_ct1	2001-08-14 01:19	42.6380	-137.5338
P17N_052_01_ct1	2001-08-14 06:04	42.9657	-138.0527
P17N_053_01_ct1	2001-08-14 10:58	43.3005	-138.5682
P17N_054_01_ct1	2001-08-14 16:02	43.6298	-139.0772
P17N_055_01_ct1	2001-08-14 21:06	43.9575	-139.6175
P17N_056_01_ct1	2001-08-15 02:12	44.2937	-140.1490
P17N_057_01_ct1	2001-08-15 07:05	44.5995	-140.6373
P17N_058_01_ct1	2001-08-15 12:27	44.9488	-141.2313
P17N_059_01_ct1	2001-08-15 17:35	45.2657	-141.7322
P17N_060_01_ct1	2001-08-16 05:12	45.5757	-142.2703
P17N_061_01_ct1	2001-08-16 10:26	45.9182	-142.8028
P17N_062_01_ct1	2001-08-16 15:48	46.2440	-143.3345
P17N_063_01_ct1	2001-08-16 21:30	46.5608	-143.8970
P17N_064_01_ct1	2001-08-17 02:51	46.8985	-144.4443
P17N_065_01_ct1	2001-08-17 17:01	47.2268	-145.0072
P17N_066_01_ct1	2001-08-17 22:26	47.5505	-145.5515
P17N_067_01_ct1	2001-08-18 04:02	47.8768	-146.1142
P17N_068_01_ct1	2001-08-18 10:27	48.2080	-146.6845
P17N_069_01_ct1	2001-08-18 16:18	48.5250	-147.2522
P17N_070_01_ct1	2001-08-18 22:09	48.9135	-147.9070
P17N_071_03_ct1	2001-08-19 05:47	49.2032	-148.3888
P17N_072_01_ct1	2001-08-19 11:11	49.5252	-148.9595
P17N_073_01_ct1	2001-08-19 16:59	49.8123	-149.5722
P17N_074_01_ct1	2001-08-19 22:38	50.1707	-150.1373
P17N_075_01_ct1	2001-08-20 04:00	50.4917	-150.7220
P17N_076_01_ct1	2001-08-22 04:58	50.8330	-151.3230
P17N_077_01_ct1	2001-08-22 11:41	51.1412	-151.9433
P17N_078_01_ct1	2001-08-22 18:13	51.4732	-152.5498
P17N_079_01_ct1	2001-08-22 23:51	51.8083	-153.1585
P17N_080_01_ct1	2001-08-23 05:12	52.1398	-153.7393
P17N_081_01_ct1	2001-08-23 10:40	52.4540	-154.3753
P17N_082_01_ct1	2001-08-23 15:58	52.7878	-155.0162
P17N_083_01_ct1	2001-08-23 21:19	53.1242	-155.6217
P17N_084_01_ct1	2001-08-24 02:38	53.4588	-156.2667
P17N_086_01_ct1	2001-08-24 09:36	53.9747	-157.3708
P17N_087_01_ct1	2001-08-24 14:50	54.0622	-157.4887
P17N_088_01_ct1	2001-08-24 19:39	54.1043	-157.6183
P17N_090_01_ct1	2001-08-25 00:19	54.2108	-157.7918
P17N_092_01_ct1	2001-08-25 04:28	54.2788	-157.9438
P17N_093_01_ct1	2001-08-25 07:42	54.3602	-158.0548
P17N_094_01_ct1	2001-08-25 11:05	54.3738	-158.1048
P17N_096_02_ct1	2001-08-25 17:02	54.5383	-158.3723
P17N_098_01_ct1	2001-08-25 18:54	54.5987	-158.5025
P17N_099_01_ct1	2001-08-25 20:41	54.6153	-158.5702
P17N_X01_01_ct1	2001-08-17 11:06	46.9955	-145.8160

#### Related Information

**MR01-K04 Leg1**  
Ship Name: MIRAI  
Period: 2001-07-23 - 2001-08-27  
Chief Scientist: Masao Fukasawa (JAMSTEC)  
Project Name: [POST-WOCE Hydrography]

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Information of the Ships  
NATSUSHIMA  
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MIRAI  
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CHIKYU  
KAIMEI  
SHINSEI MARU  
HAKUHO MARU

Information of the Submersibles  
KAIKO  
SHINKAI 2000  
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HYPER-DOLPHIN  
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6K Camera DEEP TOW  
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POWER GRAB SAMPLER (SHELL)  
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BMS

Go to a Cruise Information

Cruise ID:

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Dive ID:

