

## MIRAI MR05-05 Leg1 Conductivity-Temperature-Depth Profiler (CTD)

Last Modified: 2017-04-11

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

Cruise ID: [MR05-05 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/MR05-05\\_leg1-3\\_all.pdf](http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR05-05_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:

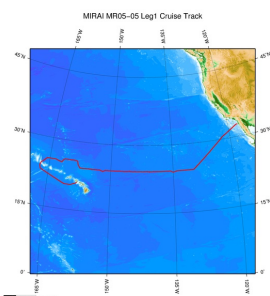
Conductivity temperature depth  
measurements (CTD)



### Overview

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

### Related Information



[Enlarge Image](#)

#### MR05-05 Leg1

Ship Name: MIRAI  
Period: 2005-10-31 - 2005-11-24  
Chief Scientist: Takeshi Kawano (JAMSTEC)  
Project Name: [POST-WOCE Hydrography]

### Update History

2017-04-11	An observation data was registerd.
2014-07-26	An observation data was registerd.
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Cruise ID:

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Dive ID:

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JAPAN AGENCY FOR MARINE-EARTH SCIENCE AND TECHNOLOGY

国立研究開発法人  
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Conductivity-Temperature-Depth Profiler (CTD): Processed (PI)

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

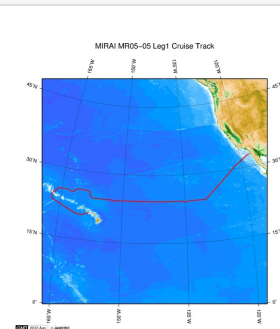
Data part

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



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#### MR05-05 Leg1

Ship Name: MIRAI

Period: 2005-10-31 - 2005-11-24

Chief Scientist: Takeshi Kawano (JAMSTEC)

Project Name: [POST-WOCE Hydrography]

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Update History  
Feeds

KAIMEI  
SHINSEI MARU  
HAKUHO MARU

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6K Camera DEEP TOW  
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KM-ROV  
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Conductivity-Temperature-Depth Profiler (CTD): Processed (PI)

Data Policy: [JAMSTEC](#)

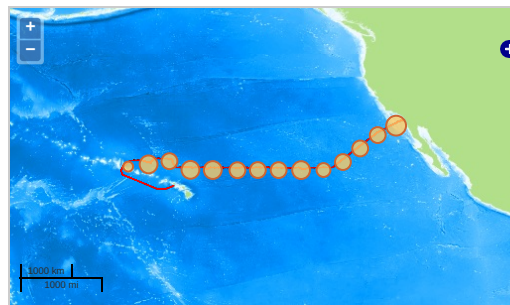
Observation Items: Pressure, Temperature, Salinity, Dissolved oxygen

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TEMPERATURE TEMPERATURE  
OCEANS > SALINITY/DENSITY > SALINITY

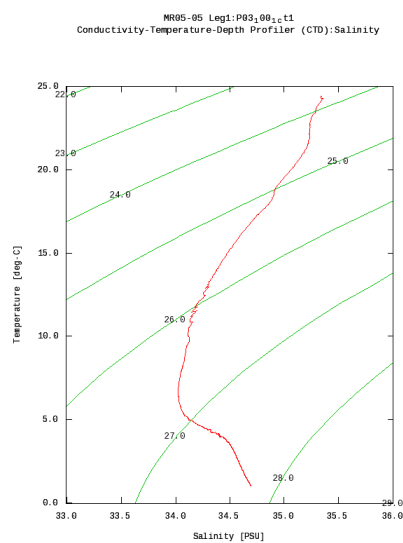
### Observation Map

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



### Figures

P03\_100\_1\_ct1



### Data List

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#### File names

- ☐ P03\_100\_1\_ct1.csv
- ☐ P03\_104\_1\_ct1.csv
- ☐ P03\_106\_1\_ct1.csv
- ☐ P03\_108\_1\_ct1.csv
- ☐ P03\_110\_1\_ct1.csv
- ☐ P03\_112\_1\_ct1.csv
- ☐ P03\_114\_1\_ct1.csv
- ☐ P03\_116\_1\_ct1.csv
- ☐ P03\_118\_1\_ct1.csv
- ☐ P03\_120\_1\_ct1.csv
- ☐ P03\_122\_1\_ct1.csv
- ☐ P03\_124\_1\_ct1.csv

	P03_100_1_ctl.csv
	P03_128_1_ctl.csv
	P03_12_1_ctl.csv
	P03_130_1_ctl.csv
	P03_132_1_ctl.csv
	P03_134_1_ctl.csv
	P03_136_1_ctl.csv
	P03_138_1_ctl.csv
	P03_140_1_ctl.csv
	P03_142_1_ctl.csv
	P03_144_1_ctl.csv
	P03_146_1_ctl.csv
	P03_14_1_ctl.csv
	P03_16_1_ctl.csv
	P03_18_1_ctl.csv
	P03_1_1_ctl.csv
	P03_20_1_ctl.csv
	P03_22_1_ctl.csv
	P03_24_1_ctl.csv
	P03_26_1_ctl.csv
	P03_28_1_ctl.csv
	P03_2_1_ctl.csv
	P03_30_1_ctl.csv
	P03_31_1_ctl.csv
	P03_33_1_ctl.csv
	P03_34_1_ctl.csv
	P03_36_1_ctl.csv
	P03_38_1_ctl.csv
	P03_3_1_ctl.csv
	P03_40_1_ctl.csv
	P03_42_1_ctl.csv
	P03_44_1_ctl.csv
	P03_46_1_ctl.csv
	P03_48_1_ctl.csv
	P03_4_1_ctl.csv
	P03_50_1_ctl.csv
	P03_51_1_ctl.csv
	P03_53_1_ctl.csv
	P03_55_1_ctl.csv
	P03_56_1_ctl.csv
	P03_58_1_ctl.csv
	P03_62_1_ctl.csv
	P03_64_1_ctl.csv
	P03_66_1_ctl.csv
	P03_67_1_ctl.csv
	P03_69_1_ctl.csv
	P03_6_1_ctl.csv
	P03_71_1_ctl.csv
	P03_73_1_ctl.csv
	P03_74_1_ctl.csv
	P03_76_1_ctl.csv
	P03_77_1_ctl.csv
	P03_79_1_ctl.csv
	P03_81_1_ctl.csv
	P03_83_1_ctl.csv
	P03_84_1_ctl.csv
	P03_86_1_ctl.csv
	P03_88_1_ctl.csv
	P03_8_1_ctl.csv
	P03_90_1_ctl.csv
	P03_92_1_ctl.csv
	P03_94_1_ctl.csv
	P03_96_1_ctl.csv
	P03_98_1_ctl.csv
	P03_X16_1_ctl.csv
	P03_X17_1_ctl.csv

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

Observation	Time and Date	Lat. [°]	Lon. [°]
P03_100_1_ctl	2005-11-15 09:53	24.2680	-151.3197
P03_104_1_ctl	2005-11-15 23:07	24.2697	-152.6385
P03_106_1_ctl	2005-11-16 05:21	24.2723	-153.3082
P03_108_1_ctl	2005-11-16 11:33	24.2690	-153.9537
P03_10_1_ctl	2005-11-01 21:10	32.1495	-118.7608
P03_110_1_ctl	2005-11-16 17:40	24.2502	-154.6325
P03_112_1_ctl	2005-11-16 23:44	24.3017	-155.2850
P03_114_1_ctl	2005-11-17 05:39	24.2822	-155.9577
P03_116_1_ctl	2005-11-17 12:05	24.2607	-156.7257
P03_118_1_ctl	2005-11-17 18:32	24.2767	-157.4922
P03_120_1_ctl	2005-11-18 01:24	25.0053	-158.0025
P03_122_1_ctl	2005-11-18 11:00	25.8365	-159.0140
P03_124_1_ctl	2005-11-18 17:24	25.8397	-159.7873

Observation	Time and Date	Lat	Long
P03_128_1_ct1	2005-11-19 12:15	25.8452	-161.2560
P03_12_1_ct1	2005-11-02 00:41	31.9057	-119.2582
P03_130_1_ct1	2005-11-20 00:23	25.0963	-162.0277
P03_132_1_ct1	2005-11-20 06:26	25.2738	-162.7240
P03_134_1_ct1	2005-11-20 13:27	25.5153	-163.4787
P03_136_1_ct1	2005-11-20 20:05	25.5058	-164.2913
P03_138_1_ct1	2005-11-21 02:22	25.4997	-164.9937
P03_140_1_ct1	2005-11-21 09:00	25.4705	-165.7137
P03_142_1_ct1	2005-11-21 14:35	25.1642	-166.0558
P03_144_1_ct1	2005-11-21 20:03	24.8867	-166.3435
P03_146_1_ct1	2005-11-22 01:07	24.6672	-166.5573
P03_14_1_ct1	2005-11-02 03:23	31.8482	-119.3600
P03_16_1_ct1	2005-11-02 06:28	31.7645	-119.5327
P03_18_1_ct1	2005-11-02 09:57	31.6708	-119.7193
P03_1_1_ct1	2005-10-31 19:02	32.6513	-117.3308
P03_20_1_ct1	2005-11-02 14:23	31.4987	-120.0455
P03_22_1_ct1	2005-11-02 19:19	31.2278	-120.5527
P03_24_1_ct1	2005-11-03 01:05	30.8785	-121.2347
P03_26_1_ct1	2005-11-03 07:27	30.4782	-122.0330
P03_28_1_ct1	2005-11-03 13:19	30.0147	-122.5888
P03_2_1_ct1	2005-10-31 19:54	32.6387	-117.4325
P03_30_1_ct1	2005-11-03 19:33	29.5375	-123.2468
P03_31_1_ct1	2005-11-04 01:43	29.0495	-123.8892
P03_33_1_ct1	2005-11-04 07:51	28.5845	-124.5222
P03_34_1_ct1	2005-11-04 13:56	28.1022	-125.1380
P03_36_1_ct1	2005-11-04 20:16	27.5980	-125.7693
P03_38_1_ct1	2005-11-05 02:15	27.1480	-126.3822
P03_3_1_ct1	2005-10-31 21:39	32.6133	-117.5045
P03_40_1_ct1	2005-11-05 08:19	26.6667	-126.9680
P03_42_1_ct1	2005-11-05 14:38	26.1828	-127.5927
P03_44_1_ct1	2005-11-05 21:06	25.6872	-128.2080
P03_46_1_ct1	2005-11-06 05:15	25.2143	-128.8245
P03_48_1_ct1	2005-11-06 11:43	24.7175	-129.4235
P03_4_1_ct1	2005-11-01 00:27	32.6375	-117.6793
P03_50_1_ct1	2005-11-06 18:00	24.2585	-130.0385
P03_51_1_ct1	2005-11-07 00:24	24.2592	-130.8472
P03_53_1_ct1	2005-11-07 06:43	24.2718	-131.6563
P03_55_1_ct1	2005-11-07 13:04	24.2452	-132.4352
P03_56_1_ct1	2005-11-07 19:35	24.2537	-133.2443
P03_58_1_ct1	2005-11-08 01:59	24.2433	-134.0527
P03_62_1_ct1	2005-11-08 15:50	24.2578	-135.6330
P03_64_1_ct1	2005-11-08 22:29	24.2457	-136.4562
P03_66_1_ct1	2005-11-09 04:54	24.2347	-137.2307
P03_67_1_ct1	2005-11-09 11:17	24.2362	-138.0088
P03_69_1_ct1	2005-11-09 17:56	24.2490	-138.8032
P03_6_1_ct1	2005-11-01 03:22	32.5222	-118.0268
P03_71_1_ct1	2005-11-10 00:45	24.2562	-139.6283
P03_73_1_ct1	2005-11-10 06:57	24.2430	-140.3665
P03_74_1_ct1	2005-11-11 15:23	24.2823	-141.1493
P03_76_1_ct1	2005-11-11 21:33	24.2607	-141.8557
P03_77_1_ct1	2005-11-12 03:35	24.2577	-142.5887
P03_79_1_ct1	2005-11-12 09:42	24.2653	-143.3153
P03_81_1_ct1	2005-11-12 15:56	24.2545	-144.0403
P03_83_1_ct1	2005-11-12 22:44	24.2452	-144.8052
P03_84_1_ct1	2005-11-13 04:58	24.3025	-145.4755
P03_86_1_ct1	2005-11-13 11:35	24.2397	-146.2260
P03_88_1_ct1	2005-11-13 18:08	24.2407	-146.9352
P03_8_1_ct1	2005-11-01 18:14	32.3657	-118.3362
P03_90_1_ct1	2005-11-14 01:02	24.2763	-147.6980
P03_92_1_ct1	2005-11-14 07:42	24.2558	-148.4378
P03_94_1_ct1	2005-11-14 14:14	24.2515	-149.1583
P03_96_1_ct1	2005-11-14 20:53	24.2530	-149.8938
P03_98_1_ct1	2005-11-15 03:33	24.2525	-150.6395
P03_X16_1_ct1	2005-11-15 16:32	24.0070	-151.9853
P03_X17_1_ct1	2005-11-08 09:04	23.9967	-135.0105

Related Information

MR05-05 Leg1

Ship Name: MIRAI

Period: 2005-10-31 - 2005-11-24

Chief Scientist: Takeshi Kawano (JAMSTEC)

Project Name: [POST-WOCE Hydrography]

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