

MIRAI MR07-06 Leg1 Conductivity-Temperature-Depth Profiler (CTD)

Last Modified: 2017-04-11

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

Cruise ID: [MR07-06 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/MR07-06_leg1-2_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

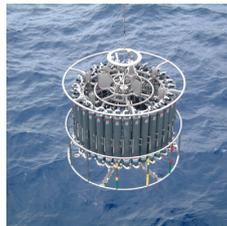
Instrument:

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



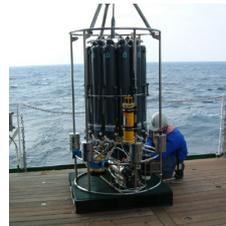
Instrument:

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



Instrument:

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



Instrument:

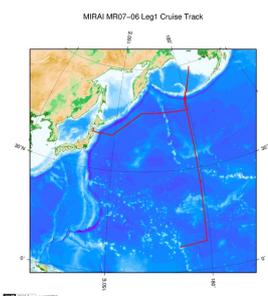
Conductivity temperature depth
measurements (CTD)



Overview

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

Related Information



[Enlarge Image](#)

MR07-06 Leg1

Ship Name: MIRAI

Period: 2007-10-07 - 2007-11-20

Chief Scientist: Takeshi Kawano (JAMSTEC)

Project Name: [POST-WOCE Hydrography, Station K2, Station KNOT]

Update History

2017-04-11	An observation data was registerd.
2014-07-30	An observation data was registerd.
2012-10-27	An observation data was registerd.

JAMSTEC

- Site Policy
- Privacy Policy
- Application for Data and Samples
- Data Policy
- What's New
- Update History
- Feeds

Lists

- Publication List
- Amount of Public Info.
- Data**
- Map Search
- Data Tree
- Detailed Search

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

Cruise ID: [MR07-06 Leg1](#)

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

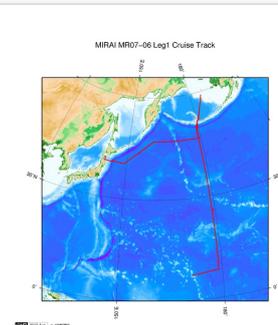
Data part

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 : 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](#)

MR07-06 Leg1

Ship Name: MIRAI

Period: 2007-10-07 - 2007-11-20

Chief Scientist: Takeshi Kawano (JAMSTEC)

Project Name: [POST-WOCE Hydrography, Station K2, Station KNOT]

Update History

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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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Technology



JAMSTEC 国立研究開発法人
海洋研究開発機構
JAPAN AGENCY FOR MARINE-EARTH SCIENCE AND TECHNOLOGY

MIRAI MR07-06 Leg1 Conductivity-Temperature-Depth Profiler (CTD)

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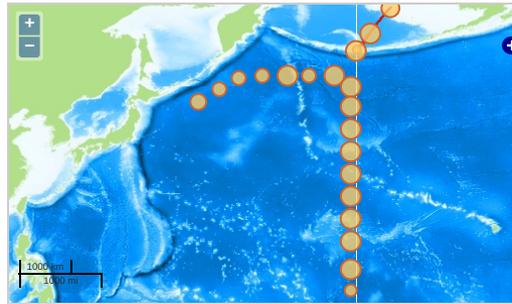
[ReadMe](#) [Observation Data](#) [Data Format](#)

Cruise ID: [MR07-06 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 > WATER
 TEMPERATURE TEMPERATURE
 OCEANS > SALINITY/DENSITY > SALINITY

Observation Map

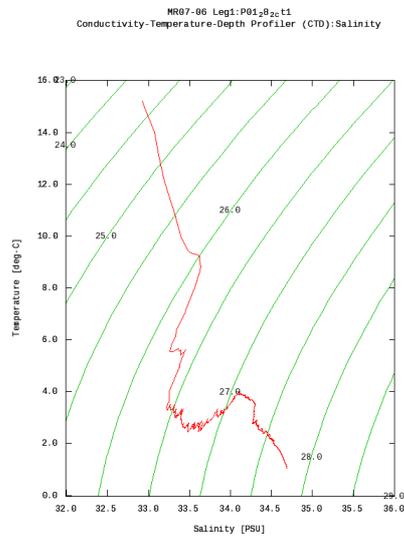
1. Clicking the icon displays a balloon with observation information.
2. Then click the observation name, figures will be displayed.



— ... Observation Line — ... Navigation ● ... Observation, Dive Point, Hole Imagery reproduced from ...

Figures

P01_28_2_ct1



Data List

[Add to Basket](#)

- File names**
- P01_28_2_ct1.csv
 - P01_29_2_ct1.csv
 - P01_30_1_ct1.csv
 - P01_31_1_ct1.csv
 - P01_32_1_ct1.csv
 - P01_33_1_ct1.csv
 - P01_34_1_ct1.csv
 - P01_35_1_ct1.csv
 - P01_36_1_ct1.csv
 - P01_37_1_ct1.csv
 - P01_38_1_ct1.csv
 - P01_39_1_ct1.csv
 - P01_40_2_ct1.csv

📁	Files
📄	P01_42_1_ct1.csv
📄	P01_43_1_ct1.csv
📄	P01_44_2_ct1.csv
📄	P01_45_1_ct1.csv
📄	P01_46_1_ct1.csv
📄	P01_47_1_ct1.csv
📄	P01_48_1_ct1.csv
📄	P01_49_1_ct1.csv
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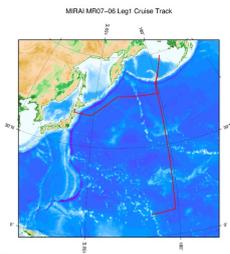
● Observation List
The list of observation is shown as follows.

Observation	Time and Date	Lat. [°]	Lon. [°]
P01_28_2_ct1	2007-10-10 11:49	42.3303	152.0905
P01_29_2_ct1	2007-10-10 23:28	42.6815	152.6883
P01_30_1_ct1	2007-10-11 06:09	43.0820	153.3250
P01_31_1_ct1	2007-10-11 23:44	43.5647	154.1708
P01_32_1_ct1	2007-10-11 16:06	44.0805	154.9827
P01_33_1_ct1	2007-10-12 09:33	44.5758	155.7958
P01_34_1_ct1	2007-10-12 16:36	45.0730	156.6372
P01_35_1_ct1	2007-10-12 23:51	45.5638	157.4850
P01_36_1_ct1	2007-10-13 12:36	46.0655	158.3260
P01_37_1_ct1	2007-10-13 20:19	46.5548	159.2272
P01_38_1_ct1	2007-10-14 03:17	47.0085	160.0203
P01_39_1_ct1	2007-10-14 10:39	47.0012	161.1533
P01_40_2_ct1	2007-10-14 17:35	46.9920	162.2597
P01_41_1_ct1	2007-10-15 00:37	46.9930	163.3768
P01_42_1_ct1	2007-10-15 07:53	47.0017	164.5102
P01_43_1_ct1	2007-10-15 19:40	46.9792	165.6368
P01_44_2_ct1	2007-10-16 03:00	46.9842	166.7428
P01_45_1_ct1	2007-10-16 10:49	46.9998	167.8325
P01_46_1_ct1	2007-10-16 17:08	46.9915	168.3762
P01_47_1_ct1	2007-10-17 00:09	46.9868	168.9917
P01_48_1_ct1	2007-10-17 05:42	47.0055	169.0980
P01_49_1_ct1	2007-10-17 10:13	47.0078	169.1847
P01_50_1_ct1	2007-10-17 13:36	46.9858	169.5738
P01_51_1_ct1	2007-10-17 17:39	46.9705	169.8093
P01_52_1_ct1	2007-10-17 22:49	46.9855	169.9970
P01_53_1_ct1	2007-10-18 05:09	46.9935	170.4700
P01_54_1_ct1	2007-10-18 13:06	47.0020	171.6107
P01_55_1_ct1	2007-10-18 20:31	46.9962	172.7168
P01_56_1_ct1	2007-10-19 03:30	47.0052	173.8300
P01_57_1_ct1	2007-10-19 10:52	47.0062	174.9590

Observation	Time and Date	Lat. (s)	Lon. (s)
P01_58_1_ct1	2007-10-19 18:11	46.9965	178.0585
P01_59_1_ct1	2007-10-20 01:18	46.9968	177.1767
P01_60_2_ct1	2007-10-20 09:09	46.9990	178.2913
P01_61_2_ct1	2007-10-20 16:44	47.0055	179.4428
P01_X13_1_ct1	2007-10-15 13:31	46.9922	164.9952
P14N_100_1_ct1	2007-11-17 01:51	12.5103	178.9937
P14N_101_1_ct1	2007-11-17 08:20	12.0085	178.9865
P14N_102_1_ct1	2007-11-17 14:28	11.5148	178.9967
P14N_103_1_ct1	2007-11-17 20:19	11.0142	178.9908
P14N_104_1_ct1	2007-11-18 02:14	10.5128	179.0013
P14N_105_1_ct1	2007-11-18 08:14	10.0092	178.9947
P14N_107_1_ct1	2007-11-18 20:28	9.0055	178.9962
P14N_108_1_ct1	2007-11-19 01:45	8.7578	178.9985
P14N_109_1_ct1	2007-11-19 07:08	8.5040	178.9870
P14N_10_1_ct1	2007-10-25 03:26	54.4932	-177.5557
P14N_11_1_ct1	2007-10-24 22:22	53.9945	-177.8892
P14N_12_1_ct1	2007-10-24 17:08	53.4923	-178.2375
P14N_13_1_ct1	2007-10-24 12:11	53.0035	-178.5770
P14N_14_1_ct1	2007-10-24 07:29	52.5078	-178.7558
P14N_15_1_ct1	2007-10-24 02:54	52.2613	-178.9923
P14N_16_1_ct1	2007-10-23 22:39	52.0690	-179.3823
P14N_17_1_ct1	2007-10-23 18:37	51.8572	-179.7797
P14N_18_1_ct1	2007-10-23 14:47	51.6280	-179.9382
P14N_19_1_ct1	2007-10-23 11:20	51.4015	179.9085
P14N_1_1_ct1	2007-10-27 00:13	59.0018	-173.9957
P14N_20_1_ct1	2007-10-23 07:40	51.1742	179.7445
P14N_21_1_ct1	2007-10-23 03:05	50.9417	179.5692
P14N_22_1_ct1	2007-10-22 22:02	50.7047	179.4290
P14N_23_1_ct1	2007-10-22 15:15	50.4827	179.2755
P14N_24_1_ct1	2007-10-22 08:59	50.2443	179.1507
P14N_25_1_ct1	2007-10-22 03:04	50.0068	178.9935
P14N_26_1_ct1	2007-10-21 21:12	49.4910	178.9915
P14N_27_1_ct1	2007-10-21 15:12	48.9933	178.9895
P14N_28_1_ct1	2007-10-21 08:59	48.4878	178.9898
P14N_29_1_ct1	2007-10-21 02:15	47.9918	178.9927
P14N_2_1_ct1	2007-10-27 03:04	58.4983	-174.4172
P14N_30_1_ct1	2007-10-29 17:35	47.4963	178.9902
P14N_32_1_ct1	2007-10-30 07:25	46.4883	179.0060
P14N_33_1_ct1	2007-10-30 13:58	45.9922	179.0182
P14N_34_1_ct1	2007-10-30 20:29	45.4972	179.0280
P14N_35_1_ct1	2007-10-31 05:46	45.0107	179.0142
P14N_36_1_ct1	2007-10-31 12:20	44.4932	179.0092
P14N_37_1_ct1	2007-10-31 18:36	43.9955	178.9767
P14N_38_1_ct1	2007-11-01 00:51	43.4990	179.0127
P14N_39_1_ct1	2007-11-01 07:06	42.9660	179.0013
P14N_3_1_ct1	2007-10-27 06:33	58.0003	-174.8722
P14N_40_1_ct1	2007-11-01 13:01	42.4790	179.0030
P14N_41_1_ct1	2007-11-01 19:02	41.9793	178.9937
P14N_42_1_ct1	2007-11-02 00:44	41.4883	179.0003
P14N_43_1_ct1	2007-11-02 06:20	40.9732	178.9973
P14N_44_1_ct1	2007-11-02 12:11	40.5027	178.9950
P14N_45_1_ct1	2007-11-02 18:28	40.0063	179.0120
P14N_46_1_ct1	2007-11-03 00:45	39.4792	179.0182
P14N_47_1_ct1	2007-11-03 07:16	38.9705	179.0253
P14N_48_1_ct1	2007-11-03 13:04	38.4738	178.9990
P14N_49_1_ct1	2007-11-03 18:51	37.9867	178.9982
P14N_4_1_ct1	2007-10-27 11:19	57.4948	-175.2553
P14N_50_1_ct1	2007-11-04 00:33	37.4840	179.0082
P14N_51_1_ct1	2007-11-04 06:15	36.9897	179.0107
P14N_52_1_ct1	2007-11-04 11:48	36.4968	179.0090
P14N_53_1_ct1	2007-11-04 17:26	35.9838	179.0100
P14N_54_1_ct1	2007-11-04 22:51	35.4985	179.0185
P14N_55_1_ct1	2007-11-05 04:09	35.0015	179.0007
P14N_56_1_ct1	2007-11-05 09:12	34.4923	178.9923
P14N_57_1_ct1	2007-11-05 13:42	33.9888	178.9962
P14N_58_1_ct1	2007-11-05 18:02	33.4807	178.9897
P14N_59_1_ct1	2007-11-05 23:01	32.9792	178.9832
P14N_5_1_ct1	2007-10-26 05:59	56.9790	-175.6732
P14N_60_1_ct1	2007-11-06 04:42	32.4848	179.0083
P14N_61_1_ct1	2007-11-06 10:43	31.9955	178.9838
P14N_62_1_ct1	2007-11-06 16:33	31.5040	179.0142
P14N_63_1_ct1	2007-11-06 22:25	30.9925	178.9898
P14N_64_1_ct1	2007-11-07 04:27	30.4898	178.9803
P14N_66_1_ct1	2007-11-07 15:45	29.4972	178.9962
P14N_67_1_ct1	2007-11-07 21:38	28.9912	179.0053
P14N_68_1_ct1	2007-11-08 03:28	28.4850	178.9968
P14N_69_1_ct1	2007-11-08 10:02	27.9908	178.9987
P14N_6_1_ct1	2007-10-26 00:12	56.4953	-176.0940
P14N_70_1_ct1	2007-11-08 16:24	27.4885	179.0115
P14N_71_1_ct1	2007-11-08 22:05	27.0047	179.0112
P14N_72_1_ct1	2007-11-09 03:56	26.4955	179.0018
P14N_73_1_ct1	2007-11-09 09:47	25.9938	178.9975

Observation	Time and Date	Lat. [°]	Lon. [°]
P14N_74_2_ct1	2007-11-10 21:30	25.5010	179.0055
P14N_75_1_ct1	2007-11-11 03:36	24.9998	179.0148
P14N_76_1_ct1	2007-11-11 09:39	24.4995	179.0012
P14N_77_1_ct1	2007-11-11 15:44	24.0078	178.9922
P14N_78_1_ct1	2007-11-11 21:59	23.5053	178.9917
P14N_79_1_ct1	2007-11-12 04:08	23.0027	178.9940
P14N_7_1_ct1	2007-10-25 18:56	55.9950	-176.4823
P14N_80_1_ct1	2007-11-12 10:13	22.5167	178.9963
P14N_81_1_ct1	2007-11-12 15:52	22.0142	178.9953
P14N_82_1_ct1	2007-11-12 20:37	21.5053	178.9873
P14N_83_1_ct1	2007-11-13 01:05	21.0047	178.9967
P14N_84_1_ct1	2007-11-13 05:39	20.5073	178.9980
P14N_85_1_ct1	2007-11-13 10:44	20.0057	178.9997
P14N_86_1_ct1	2007-11-13 16:03	19.5165	178.9987
P14N_87_1_ct1	2007-11-13 21:39	19.0143	178.9898
P14N_88_1_ct1	2007-11-14 03:16	18.5142	179.0062
P14N_89_1_ct1	2007-11-14 08:36	18.0078	178.9927
P14N_8_1_ct1	2007-10-25 13:42	55.4982	-176.8382
P14N_90_1_ct1	2007-11-14 13:48	17.5127	179.0005
P14N_91_1_ct1	2007-11-14 19:38	17.0073	178.9940
P14N_92_1_ct1	2007-11-15 01:27	16.5128	178.9940
P14N_93_1_ct1	2007-11-15 07:22	16.0120	178.9952
P14N_94_1_ct1	2007-11-15 13:15	15.5092	178.9935
P14N_95_1_ct1	2007-11-15 19:11	15.0113	178.9915
P14N_96_1_ct1	2007-11-16 01:09	14.5088	178.9835
P14N_97_1_ct1	2007-11-16 07:15	14.0055	178.9933
P14N_98_1_ct1	2007-11-16 15:01	13.5073	178.9843
P14N_99_1_ct1	2007-11-16 20:08	13.0040	178.9915
P14N_9_1_ct1	2007-10-25 08:40	54.9975	-177.1813
P14N_X01_1_ct1	2007-10-30 00:41	46.9832	179.4533
P14N_X02_1_ct1	2007-11-07 10:13	29.9938	178.9457
P14N_X04_1_ct1	2007-11-18 14:19	9.4957	178.8233

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 Period: 2007-10-07 - 2007-11-20
 Chief Scientist: Takeshi Kawano (JAMSTEC)
 Project Name: [POST-WOCE Hydrography, Station K2, Station KNOT]

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2017-04-11	An observation data was registerd.
2014-07-30	An observation data was registerd.
2012-10-27	An observation data was registerd.

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