

MIRAI MR99-K05 Leg1 Conductivity-Temperature-Depth Profiler (CTD)

Last Modified: 2017-04-11

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

Cruise ID: [MR99-K05 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

[For Using Data](#)

Principal Investigator

Masao Fukasawa (JAMSTEC)
Tomowo Watanabe (NRIFS)
Takahiko Kameda (NRIFS)

Use Constraints

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

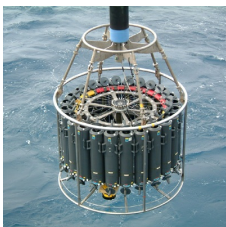
Data Citation

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

Instrument

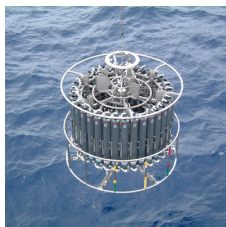
Instrument:

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



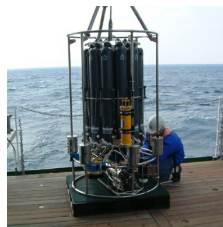
Instrument:

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



Instrument:

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



Instrument:

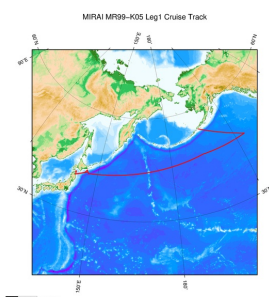
Conductivity temperature depth
measurements (CTD)



Overview

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

Related Information



[Enlarge Image](#)

MR99-K05 Leg1

Ship Name: MIRAI
Period: 1999-08-23 - 1999-09-10
Chief Scientist: Masao Fukasawa (JAMSTEC)
Project Name: [POST-WOCE Hydrography]

Update History

2017-04-11	An observation data was registerd.
2016-10-17	An observation data was registerd.

Application for Data and
Samples
Data Policy

What's New
Update History
Feeds

Data
Map Search
Data Tree
Detailed Search

YOKOSUKA
MIRAI
KAIREI
CHIKYU
KAIMEI
SHINSEI MARU
HAKUHO MARU

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 Dive Information

Dive ID:

Copyright 2011 Japan Agency for Marine-Earth Science and
Technology



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 MR99-K05 Leg1 Conductivity-Temperature-Depth Profiler (CTD)

Last Modified: 2017-04-11

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

Cruise ID: [MR99-K05 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

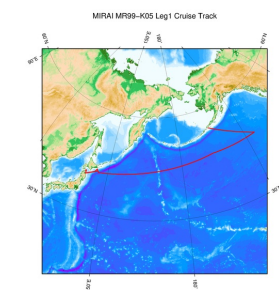
Data part

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](#)

MR99-K05 Leg1

Ship Name: MIRAI

Period: 1999-08-23 - 1999-09-10

Chief Scientist: Masao Fukasawa (JAMSTEC)

Project Name: [POST-WOCE Hydrography]

Update History

2017-04-11	An observation data was registerd.
2016-10-17	An observation data was registerd.

Feeds

SHINSEI MARU
HAKUHO MARU

6K Camera DEEP TOW
6K Sonar DEEP TOW
KM-ROV
POWER GRAB SAMPLER
(SHELL)
POWER GRAB SAMPLER
(CLOW)
BMS

Copyright 2011 Japan Agency for Marine-Earth Science and
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 MR99-K05 Leg1 Conductivity-Temperature-Depth Profiler (CTD)

Last Modified: 2017-04-11

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

Cruise ID: [MR99-K05 Leg1](#)

Conductivity-Temperature-Depth Profiler (CTD): Processed (PI)

Data Policy: [JAMSTEC](#)

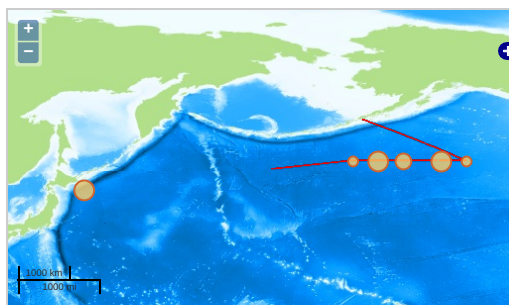
Observation Items: Pressure, Temperature, Salinity, Dissolved oxygen

Science Keywords:

OCEANS > OCEAN CHEMISTRY > OXYGEN
OCEANS > OCEAN > WATER
TEMPERATURE TEMPERATURE
OCEANS > SALINITY/DENSITY > SALINITY

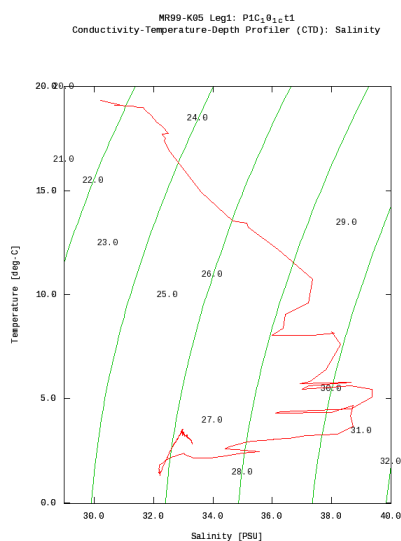
Observation Map

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



Figures


P1C_10_1_ct1



Data List

[Add to Basket](#)

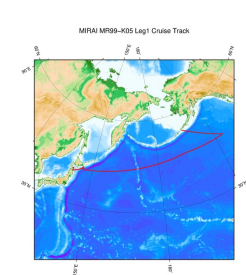
<input type="checkbox"/> File names
<input type="checkbox"/> P1C_10_1_ct1.csv
<input type="checkbox"/> P1C_10_2_ct1.csv
<input type="checkbox"/> P1C_4_1_ct1.csv
<input type="checkbox"/> P1C_5_1_ct1.csv
<input type="checkbox"/> P1C_6_1_ct1.csv
<input type="checkbox"/> P1C_74_1_ct1.csv
<input type="checkbox"/> P1C_77_1_ct1.csv
<input type="checkbox"/> P1C_78_1_ct1.csv
<input type="checkbox"/> P1C_79_1_ct1.csv
<input type="checkbox"/> P1C_7_1_ct1.csv
<input type="checkbox"/> P1C_7_2_ct1.csv
<input type="checkbox"/> P1C_7_3_ct1.csv
<input type="checkbox"/> P1C_7_4_ct1.csv

	P1C_80_1_ct1.csv
	P1C_81_1_ct1.csv
	P1C_81_2_ct1.csv
	P1C_82_1_ct1.csv
	P1C_83_1_ct1.csv
	P1C_84_1_ct1.csv
	P1C_85_1_ct1.csv
	P1C_85_2_ct1.csv
	P1C_88_1_ct1.csv
	P1C_88_2_ct1.csv
	P1C_89_1_ct1.csv
	P1C_89_2_ct1.csv
	P1C_90_1_ct1.csv
	P1C_90_2_ct1.csv
	P1C_91_1_ct1.csv
	P1C_91_2_ct1.csv
	P1C_92_1_ct1.csv
	P1C_92_2_ct1.csv
	P1C_X15_1_ct1.csv
	P1C_X15_2_ct1.csv
	P1C_X16_1_ct1.csv
	P1C_X16_2_ct1.csv

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

Observation	Time and Date	Lat. [°]	Lon. [°]
P1C_10_1_ct1	1999-08-28 07:03	41.8695	146.3045
P1C_10_2_ct1	1999-08-25 09:22	41.8708	146.3133
P1C_4_1_ct1	1999-08-25 01:11	42.8038	145.5538
P1C_5_1_ct1	1999-08-25 05:48	42.6497	145.6995
P1C_6_1_ct1	1999-08-25 09:31	42.4838	145.8415
P1C_74_1_ct1	1999-09-03 05:58	47.0067	-165.9523
P1C_77_1_ct1	1999-09-04 14:50	46.9955	-162.6208
P1C_78_1_ct1	1999-09-04 20:46	47.0008	-161.5002
P1C_79_1_ct1	1999-09-05 03:00	47.0002	-160.3600
P1C_7_1_ct1	1999-08-25 13:48	42.2860	146.0548
P1C_7_2_ct1	1999-08-25 18:14	42.2902	146.0563
P1C_7_3_ct1	1999-08-27 23:18	42.2853	146.0582
P1C_7_4_ct1	1999-08-28 01:31	42.2848	146.0638
P1C_80_1_ct1	1999-09-05 08:43	46.9900	-159.2405
P1C_81_1_ct1	1999-09-05 13:11	47.0078	-158.1250
P1C_81_2_ct1	1999-09-05 14:47	47.0007	-158.1220
P1C_82_1_ct1	1999-09-05 20:25	47.0043	-157.0182
P1C_83_1_ct1	1999-09-06 02:29	46.9890	-155.8493
P1C_84_1_ct1	1999-09-06 07:56	46.9922	-154.7572
P1C_85_1_ct1	1999-09-06 12:22	46.9988	-153.6230
P1C_85_2_ct1	1999-09-06 13:58	46.9917	-153.6338
P1C_88_1_ct1	1999-09-07 03:58	46.9888	-150.2907
P1C_88_2_ct1	1999-09-07 05:28	46.9812	-150.2818
P1C_89_1_ct1	1999-09-07 09:45	46.9965	-149.1453
P1C_89_2_ct1	1999-09-07 11:15	46.9912	-149.1492
P1C_90_1_ct1	1999-09-07 15:46	47.0077	-148.0402
P1C_90_2_ct1	1999-09-07 17:13	47.0065	-148.0532
P1C_91_1_ct1	1999-09-07 21:50	47.0012	-146.9352
P1C_91_2_ct1	1999-09-07 23:19	46.9987	-146.9347
P1C_92_1_ct1	1999-09-08 03:54	47.0008	-145.8058
P1C_92_2_ct1	1999-09-08 05:33	46.9957	-145.8055
P1C_X15_1_ct1	1999-09-03 14:17	47.0017	-164.9883
P1C_X15_2_ct1	1999-09-03 16:24	47.0075	-164.9857
P1C_X16_1_ct1	1999-09-06 20:13	46.9987	-152.0005
P1C_X16_2_ct1	1999-09-06 21:59	46.9962	-151.9953

Related Information



 [Enlarge Image](#)

MR99-K05 Leg1
Ship Name: MIRAI
Period: 1999-08-23 - 1999-09-10
Chief Scientist: Masao Fukasawa (JAMSTEC)
Project Name: [POST-WOCE Hydrography]

Update History

2017-04-11	An observation data was registered.
2016-10-17	An observation data was registered.

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:

