

MIRAI MR03-K04 Leg1 Conductivity-Temperature-Depth Profiler (CTD)

Last Modified: 2017-04-11

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

Cruise ID: [MR03-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/MR03-K04_leg1_all.pdf

[For Using Data](#)

Principal Investigator

Hiroshi Uchida / Masao Fukasawa (JAMSTEC)

Use Constraints

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

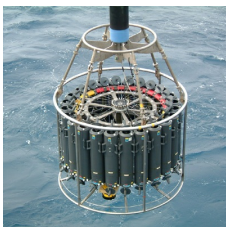
Data Citation

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

Instrument

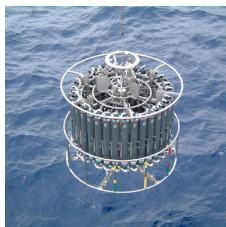
Instrument:

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



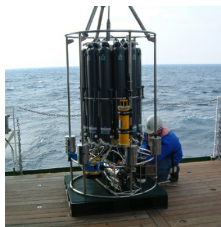
Instrument:

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



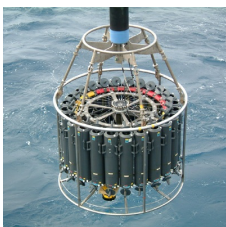
Instrument:

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



Instrument:

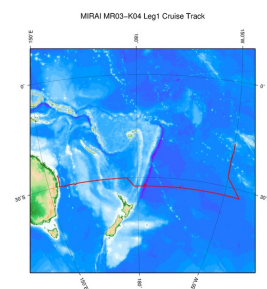
Conductivity temperature depth
measurements (CTD)



Overview

Please see the [Data books Volume 1](#), [Volume 2](#), and [Volume 3](#) for details of data.

Related Information



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[Enlarge Image](#)

MR03-K04 Leg1

Ship Name: MIRAI

Period: 2003-08-03 - 2003-09-05

Chief Scientist: Masao Fukasawa (JAMSTEC)

Project Name: [Blue Earth Global Expedition 2003, POST-WOCE Hydrography]

Update History

2017-04-11	An observation data was registerd.
2014-07-24	An observation data was registerd.
2012-12-25	An observation data was registerd.

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[Data Policy](#)

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

Cruise ID:

Go to a Dive Information

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

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Cruise ID: [MR03-K04 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	MRYY-(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

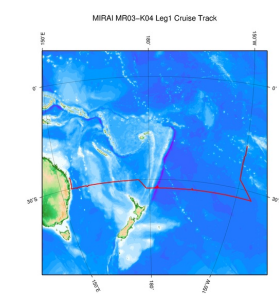
Data part

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](#)

MR03-K04 Leg1

Ship Name: MIRAI

Period: 2003-08-03 - 2003-09-05

Chief Scientist: Masao Fukasawa (JAMSTEC)

Project Name: [Blue Earth Global Expedition 2003,POST-WOCE Hydrography]

Update History

2017-04-11 An observation data was registerd.
2014-07-24 An observation data was registerd.
2012-12-25 An observation data was registerd.

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

Data Policy: [JAMSTEC](#)

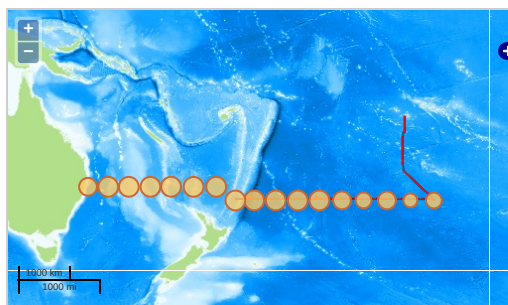
Observation Items: Pressure, Temperature, Salinity, Dissolved oxygen

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.

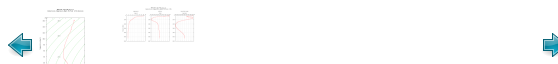


— ... Observation Line — ... Navigation ● ... Observation, Dive Point, Hole

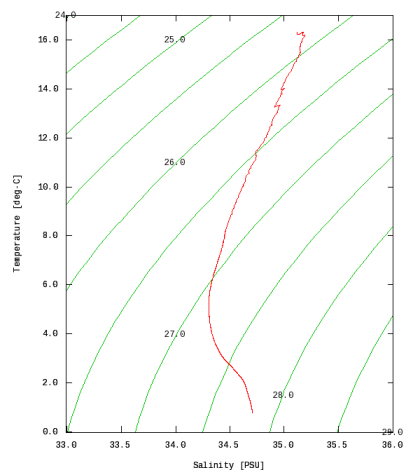
Imagery reproduced from ...

Figures

P06_121_01_ct1



MR03-K04 Leg1:P06_121_01_ct1
Conductivity-Temperature-Depth Profiler (CTD):Salinity































































































Data List

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File names

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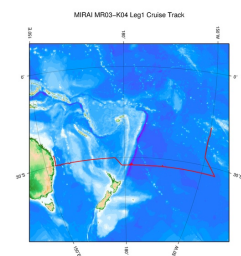
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 P06_X14_01_ct1.csv
 P06_X15_01_ct1.csv
 P06_X16_01_ct1.csv

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

Observation	Time and Date	Lat. [°]	Lon. [°]
P06_121_01_ct1	2003-09-02 02:12	-32.5167	-144.8305
P06_122_01_ct1	2003-09-01 19:53	-32.4998	-145.6692
P06_123_01_ct1	2003-09-01 13:39	-32.5078	-146.4975
P06_124_01_ct1	2003-09-01 07:30	-32.5035	-147.3467
P06_125_01_ct1	2003-09-01 01:21	-32.5127	-148.1517
P06_126_01_ct1	2003-08-31 19:18	-32.5015	-149.0113
P06_127_01_ct1	2003-08-31 12:44	-32.5058	-149.8295
P06_129_01_ct1	2003-08-30 23:51	-32.5138	-151.4988
P06_130_01_ct1	2003-08-30 17:47	-32.5055	-152.3360
P06_131_01_ct1	2003-08-30 11:44	-32.5015	-153.1672
P06_132_01_ct1	2003-08-30 03:12	-32.4855	-154.0013
P06_133_01_ct1	2003-08-29 20:56	-32.5082	-154.8410
P06_134_01_ct1	2003-08-29 14:49	-32.5025	-155.6608
P06_135_01_ct1	2003-08-29 08:29	-32.5067	-156.4938
P06_136_01_ct1	2003-08-29 02:13	-32.4975	-157.3210
P06_137_01_ct1	2003-08-28 19:50	-32.4950	-158.1533
P06_138_01_ct1	2003-08-28 13:25	-32.5043	-158.9852
P06_139_01_ct1	2003-08-28 06:57	-32.5033	-159.8280
P06_140_01_ct1	2003-08-28 01:06	-32.5030	-160.4827
P06_142_01_ct1	2003-08-27 19:23	-32.4975	-161.1520
P06_143_01_ct1	2003-08-27 13:31	-32.4958	-161.8230
P06_144_01_ct1	2003-08-27 07:36	-32.5002	-162.4890
P06_145_01_ct1	2003-08-27 01:29	-32.4950	-163.1618
P06_146_01_ct1	2003-08-26 19:19	-32.4947	-163.8272
P06_147_01_ct1	2003-08-26 12:34	-32.4847	-164.4865
P06_148_01_ct1	2003-08-26 04:55	-32.4963	-165.1627
P06_149_01_ct1	2003-08-24 17:45	-32.4868	-165.8215
P06_150_01_ct1	2003-08-24 11:35	-32.4867	-166.4982
P06_151_01_ct1	2003-08-24 05:35	-32.5028	-167.1588
P06_152_01_ct1	2003-08-24 00:27	-32.5002	-167.4882
P06_153_01_ct1	2003-08-23 18:43	-32.5050	-168.0085
P06_154_01_ct1	2003-08-23 13:07	-32.5083	-168.5038
P06_155_01_ct1	2003-08-23 07:37	-32.5048	-169.0007
P06_156_01_ct1	2003-08-23 02:06	-32.5113	-169.4988
P06_158_01_ct1	2003-08-22 15:29	-32.5070	-170.2517
P06_159_01_ct1	2003-08-22 09:44	-32.5040	-170.7497
P06_160_01_ct1	2003-08-22 03:54	-32.5042	-171.2497
P06_161_01_ct1	2003-08-21 23:17	-32.5093	-171.5895
P06_162_01_ct1	2003-08-21 18:50	-32.5030	-171.9133
P06_163_01_ct1	2003-08-21 13:21	-32.5050	-172.4213
P06_164_01_ct1	2003-08-21 07:32	-32.5028	-172.9173
P06_165_01_ct1	2003-08-21 02:39	-32.4960	-173.1792
P06_166_01_ct1	2003-08-20 17:34	-32.5085	-173.6708
P06_166_02_ct1	2003-08-20 22:02	-32.5060	-173.6733
P06_167_01_ct1	2003-08-20 12:26	-32.5062	-174.0020
P06_168_01_ct1	2003-08-20 07:12	-32.4930	-174.3327
P06_169_01_ct1	2003-08-20 01:25	-32.4985	-174.8382
P06_170_01_ct1	2003-08-19 19:50	-32.4967	-175.2552
P06_171_01_ct1	2003-08-19 13:55	-32.4953	-175.7532
P06_172_01_ct1	2003-08-19 08:02	-32.4963	-176.2518
P06_173_01_ct1	2003-08-19 02:07	-32.4897	-176.7445
P06_174_01_ct1	2003-08-18 11:32	-32.4958	-177.2585

Observation	Time and Date	Lat-Lon	Lon-Lat
P06_175_01_ct1	2003-08-18 05:43	-32.5085	-177.6913
P06_176_01_ct1	2003-08-18 00:15	-32.5142	-177.9937
P06_177_01_ct1	2003-08-17 19:21	-32.5055	-178.2830
P06_178_01_ct1	2003-08-16 12:08	-32.5060	-178.4570
P06_179_01_ct1	2003-08-16 08:26	-32.5038	-178.6367
P06_180_01_ct1	2003-08-16 04:52	-32.4982	-178.9053
P06_181_01_ct1	2003-08-16 00:25	-32.5078	-179.5752
P06_182_01_ct1	2003-08-15 20:18	-32.5092	179.9227
P06_183_01_ct1	2003-08-15 16:08	-32.5077	179.4188
P06_184_01_ct1	2003-08-15 12:24	-32.5025	178.9130
P06_185_01_ct1	2003-08-15 07:59	-32.0853	178.5145
P06_186_01_ct1	2003-08-15 02:33	-31.5813	178.0032
P06_190_01_ct1	2003-08-14 20:47	-31.0793	177.5362
P06_191_01_ct1	2003-08-14 14:00	-30.5747	177.0052
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P06_197_01_ct1	2003-08-13 04:51	-30.0830	173.5083
P06_198_01_ct1	2003-08-13 01:17	-30.0828	173.0078
P06_199_01_ct1	2003-08-12 21:32	-30.0902	172.4958
P06_200_01_ct1	2003-08-12 17:13	-30.0948	172.0148
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P06_202_01_ct1	2003-08-12 10:19	-30.0820	171.2857
P06_203_01_ct1	2003-08-12 07:26	-30.0863	171.0170
P06_204_01_ct1	2003-08-12 02:09	-30.0793	170.5095
P06_205_01_ct1	2003-08-11 21:41	-30.0797	169.9995
P06_206_01_ct1	2003-08-11 17:09	-30.0813	169.5027
P06_207_01_ct1	2003-08-11 12:41	-30.0870	169.0050
P06_208_01_ct1	2003-08-11 08:12	-30.0717	168.4987
P06_209_01_ct1	2003-08-11 04:26	-30.0815	167.9988
P06_210_01_ct1	2003-08-11 01:13	-30.0833	167.5013
P06_211_01_ct1	2003-08-10 18:20	-30.0873	167.0042
P06_212_01_ct1	2003-08-10 14:07	-30.0807	166.5012
P06_213_01_ct1	2003-08-09 06:56	-30.0828	165.8358
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P06_226_01_ct1	2003-08-07 03:18	-30.3355	159.0907
P06_227_01_ct1	2003-08-06 23:16	-30.0765	158.6932
P06_228_01_ct1	2003-08-06 19:31	-30.0773	158.3428
P06_229_01_ct1	2003-08-06 16:17	-30.0812	158.0067
P06_230_01_ct1	2003-08-06 13:15	-30.0872	157.6778
P06_231_01_ct1	2003-08-06 09:49	-30.0882	157.3335
P06_232_01_ct1	2003-08-06 05:02	-30.0838	156.9190
P06_234_01_ct1	2003-08-05 23:22	-30.0843	156.5247
P06_235_01_ct1	2003-08-05 17:33	-30.0845	155.9808
P06_237_01_ct1	2003-08-05 06:16	-30.0862	154.9870
P06_238_01_ct1	2003-08-05 00:53	-30.0900	154.4920
P06_239_01_ct1	2003-08-04 19:28	-30.0943	154.1532
P06_240_01_ct1	2003-08-04 14:44	-30.0900	153.9905
P06_241_01_ct1	2003-08-04 10:41	-30.0912	153.9157
P06_242_01_ct1	2003-08-04 07:34	-30.0807	153.7512
P06_243_01_ct1	2003-08-04 04:22	-30.0800	153.6797
P06_244_01_ct1	2003-08-04 01:24	-30.0905	153.5945
P06_245_01_ct1	2003-08-03 23:33	-30.0858	153.5230
P06_246_01_ct1	2003-08-03 20:03	-30.0945	153.4833
P06_X11_01_ct1	2003-08-05 11:57	-30.2955	155.5432
P06_X14_01_ct1	2003-08-14 02:10	-30.0057	176.0247
P06_X15_01_ct1	2003-08-22 20:46	-32.5143	-169.9978
P06_X16_01_ct1	2003-08-31 06:53	-32.5058	-150.5040

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MR03-K04 Leg1

Ship Name: MIRAI

Period: 2003-08-03 - 2003-09-05

Chief Scientist: Masao Fukasawa (JAMSTEC)

Project Name: [Blue Earth Global Expedition 2003,POST-WOCE Hydrography]

Update History

2017-04-11	An observation data was registered.
2014-07-24	An observation data was registered.
2012-12-25	An observation data was registered.

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