

MIRAI MR03-K04 Leg5 Conductivity-Temperature-Depth Profiler (CTD)

Last Modified: 2017-04-11

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

Cruise ID: [MR03-K04 Leg5](#)

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_leg5_all.pdf

[For Using Data](#)

Principal Investigator

Hiroshi Uchida (JAMSTEC)
Masao Fukasawa (JAMSTEC)
Wolfgang Schneider (University of Concepcion)

Use Constraints

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

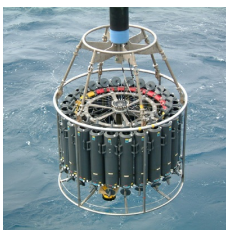
Data Citation

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

Instrument

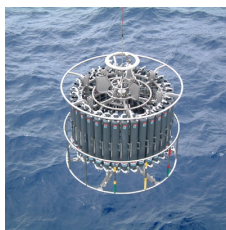
Instrument:

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



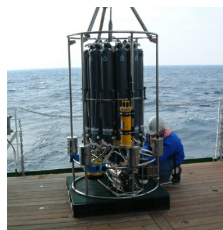
Instrument:

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



Instrument:

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



Instrument:

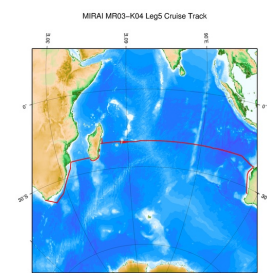
Conductivity temperature depth
measurements (CTD)



Overview

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

Related Information



[Enlarge Image](#)

MR03-K04 Leg5

Ship Name: MIRAI
Period: 2003-12-09 - 2004-01-24
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.
2013-03-23	An observation data was registerd.
2012-12-25	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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海洋研究開発機構
JAPAN AGENCY FOR MARINE-EARTH SCIENCE AND TECHNOLOGY

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

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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	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

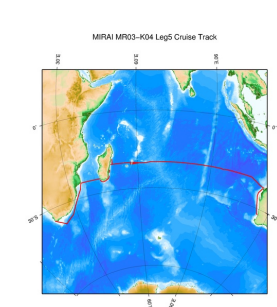
Data part

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 Leg5

Ship Name: MIRAI

Period: 2003-12-09 - 2004-01-24

Chief Scientist: Masao Fukasawa (JAMSTEC)

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

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What's New
Update History
Feeds

Detailed Search

KAIMEI
SHINSEI MARU
HAKUHO MARU

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

Dive ID:

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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

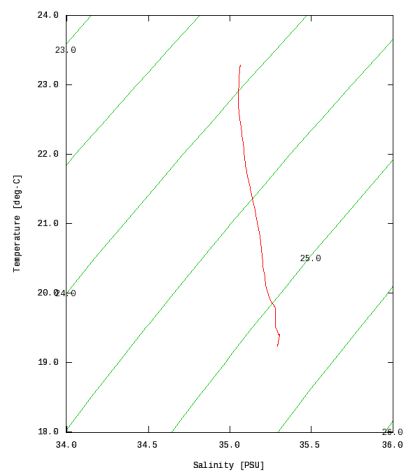
Imagery reproduced from ...

Figures

I03_444_01_ct1



MR03-K04 Leg5: I03_444_01_ct1
Conductivity-Temperature-Depth Profiler (CTD):Salinity


















































































































Data List

[Add to Basket](#)

File names

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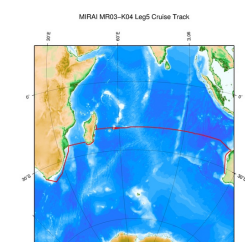
● Observation List
The list of observation is shown as follows.

Observation	Time and Date	Lat. [°]	Lon. [°]
I03_444_01_ct1	2004-01-20 23:07	-22.2258	113.7590
I03_445_01_ct1	2004-01-20 21:52	-22.2143	113.7000
I03_446_01_ct1	2004-01-20 20:02	-22.2022	113.6007
I03_447_01_ct1	2004-01-20 17:52	-22.1788	113.4415
I03_448_01_ct1	2004-01-20 15:25	-22.1373	113.1707
I03_449_01_ct1	2004-01-20 12:12	-22.0807	112.8192
I03_450_01_ct1	2004-01-20 07:21	-22.0025	112.3818
I03_451_01_ct1	2004-01-20 01:25	-21.8248	111.9018
I03_452_01_ct1	2004-01-19 19:02	-21.6622	111.3705
I03_454_01_ct1	2004-01-19 05:23	-21.1435	110.1613
I03_455_01_ct1	2004-01-18 21:55	-20.8322	109.4445
I03_456_01_ct1	2004-01-18 15:22	-20.6255	108.8053
I03_457_01_ct1	2004-01-18 08:38	-20.3073	108.1562
I03_458_01_ct1	2004-01-18 01:35	-20.0007	107.5055
I03_459_01_ct1	2004-01-17 18:05	-19.9962	106.6247
I03_460_01_ct1	2004-01-17 10:56	-19.9928	105.7583
I03_461_01_ct1	2004-01-17 03:14	-19.9873	104.8948
I03_462_01_ct1	2004-01-16 19:28	-19.9943	104.0103
I03_463_01_ct1	2004-01-16 11:59	-19.9920	103.1287
I03_464_01_ct1	2004-01-16 04:05	-19.9973	102.2427
I03_465_01_ct1	2004-01-15 01:08	-19.9993	101.3443
I03_466_02_ct1	2004-01-14 17:00	-19.9902	100.4658
I03_467_01_ct1	2004-01-14 07:31	-19.9987	99.5773
I03_468_01_ct1	2004-01-13 17:21	-19.9997	98.7162
I03_469_01_ct1	2004-01-13 08:33	-19.9885	97.8365
I03_470_01_ct1	2004-01-13 00:56	-19.9910	96.9533
I03_471_01_ct1	2004-01-12 17:42	-19.9968	96.0665
I03_473_01_ct1	2004-01-12 03:18	-19.9980	94.3082
I03_474_01_ct1	2004-01-11 20:10	-19.9912	93.5328

Observation	Time and Date	Lat (°)	Long (°)
i03_475_01_ct1	2004-01-11 13:41	-19.9947	92.8048
i03_476_01_ct1	2004-01-11 08:12	-19.9967	92.3575
i03_477_01_ct1	2004-01-11 02:23	-19.9967	91.8150
i03_478_01_ct1	2004-01-10 20:38	-20.0037	91.3238
i03_479_01_ct1	2004-01-10 14:53	-19.9947	90.8182
i03_480_01_ct1	2004-01-10 08:57	-19.9920	90.2878
i03_481_01_ct1	2004-01-10 03:50	-19.9892	89.9897
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i03_483_01_ct1	2004-01-09 15:33	-19.9940	88.9242
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i03_487_01_ct1	2004-01-09 00:21	-19.9997	87.3332
i03_488_01_ct1	2004-01-08 19:56	-19.9902	86.9057
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i03_532_01_ct1	2003-12-28 00:15	-20.3562	61.0282
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i03_534_01_ct1	2003-12-25 23:11	-20.3722	59.8240
i03_535_01_ct1	2003-12-25 17:33	-20.3800	59.2275
i03_536_01_ct1	2003-12-25 11:51	-20.3587	58.6153
i03_537_01_ct1	2003-12-25 06:43	-20.3540	58.1483
i03_538_01_ct1	2003-12-25 03:17	-20.3652	58.0100
i03_539_01_ct1	2003-12-25 00:37	-20.3628	57.9687
i03_540_01_ct1	2003-12-24 16:45	-19.9980	57.4873
i03_541_01_ct1	2003-12-24 13:41	-19.9952	57.4117
i03_542_01_ct1	2003-12-24 10:18	-19.9937	57.2803
i03_543_01_ct1	2003-12-24 05:26	-19.9945	57.0408
i03_544_01_ct1	2003-12-24 00:23	-20.0010	56.6337
i03_545_01_ct1	2003-12-23 19:06	-19.9990	56.0922
i03_546_01_ct1	2003-12-23 13:56	-19.9982	55.5377
i03_547_01_ct1	2003-12-23 08:50	-20.0032	54.9887
i03_549_01_ct1	2003-12-22 21:59	-19.9943	53.8817
i03_550_01_ct1	2003-12-22 16:22	-19.9990	53.3297
i03_551_01_ct1	2003-12-22 10:41	-19.9853	52.7773
i03_552_01_ct1	2003-12-22 04:55	-19.9963	52.2608
i03_553_01_ct1	2003-12-21 23:21	-19.9913	51.7808
i03_554_01_ct1	2003-12-21 18:00	-19.9960	51.2977
i03_555_01_ct1	2003-12-21 13:15	-20.0002	51.0023
i03_556_01_ct1	2003-12-21 08:26	-19.9953	50.6005
i03_557_01_ct1	2003-12-21 02:57	-19.9965	50.0602
i03_558_01_ct1	2003-12-20 22:04	-20.0010	49.6278

Observation	Time and Date	Lat. [°]	Lon. [°]
I03_559_01_ct1	2003-12-19 13:43	-20.0032	49.3822
I03_560_01_ct1	2003-12-19 10:33	-20.0117	49.1443
I03_561_01_ct1	2003-12-19 08:08	-20.0075	48.9883
I03_562_01_ct1	2003-12-19 06:55	-20.0042	48.9142
I03_X07_01_ct1	2003-12-23 03:45	-19.9982	54.5055
I03_X08_01_ct1	2004-01-05 02:52	-19.9958	79.9975
I03_X09_01_ct1	2004-01-12 09:52	-20.1950	95.0123
I03_X10_01_ct1	2004-01-19 12:40	-21.4477	110.8420
I04_585_01_ct1	2003-12-17 11:23	-24.6662	43.8688
I04_586_01_ct1	2003-12-17 08:36	-24.6657	43.8025
I04_587_01_ct1	2003-12-17 04:55	-24.6715	43.5517
I04_588_01_ct1	2003-12-16 21:53	-24.6588	43.3370
I04_589_01_ct1	2003-12-16 17:27	-24.6650	42.9973
I04_590_01_ct1	2003-12-16 12:32	-24.6627	42.4885
I04_591_01_ct1	2003-12-16 07:18	-24.6617	41.9897
I04_592_01_ct1	2003-12-16 02:24	-24.6617	41.4945
I04_593_01_ct1	2003-12-15 21:24	-24.6632	40.9987
I04_594_01_ct1	2003-12-15 16:39	-24.6622	40.4982
I04_595_01_ct1	2003-12-15 11:58	-24.6612	39.9962
I04_596_01_ct1	2003-12-15 07:13	-24.6653	39.5013
I04_597_01_ct1	2003-12-15 02:33	-24.6592	38.9955
I04_598_01_ct1	2003-12-14 21:43	-24.6552	38.4933
I04_599_01_ct1	2003-12-14 16:57	-24.6602	37.9757
I04_600_01_ct1	2003-12-14 12:16	-24.6670	37.4900
I04_601_01_ct1	2003-12-14 07:22	-24.6733	36.9912
I04_602_01_ct1	2003-12-14 04:00	-24.6720	36.7427
I04_603_01_ct1	2003-12-14 00:39	-24.6602	36.4938
I04_604_01_ct1	2003-12-13 21:28	-24.6670	36.2403
I04_605_01_ct1	2003-12-13 18:33	-24.6723	35.9940
I04_606_01_ct1	2003-12-13 15:40	-24.6713	35.8863
I04_607_01_ct1	2003-12-13 13:20	-24.6707	35.7188
I04_608_01_ct1	2003-12-13 11:27	-24.6720	35.5488
I04_609_01_ct1	2003-12-13 10:12	-24.6677	35.4855
I04_610_01_ct1	2003-12-13 09:02	-24.6670	35.3647

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Ship Name: MIRAI

Period: 2003-12-09 - 2004-01-24

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.
2013-03-23	An observation data was registerd.
2012-12-25	An observation data was registerd.

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