

MIRAI MR15-05 Leg1 Conductivity-Temperature-Depth Profiler (CTD)

Last Modified: 2018-05-31

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

Cruise ID: [MR15-05 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/MR15-05_leg1_all.pdf

[For Using Data](#)

Principal Investigator

Hiroshi Uchida (JAMSTEC)

JAMSTEC / BPPT joint cruise in the Indonesian waters.

Use Constraints

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

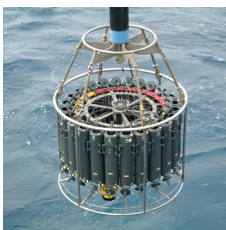
Data Citation

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

Instrument

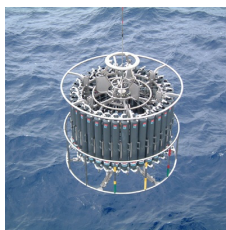
Instrument:

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



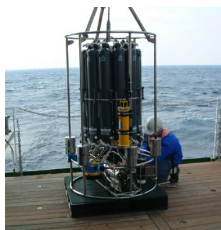
Instrument:

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



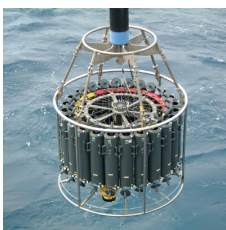
Instrument:

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



Instrument:

Conductivity temperature depth
measurements (CTD)



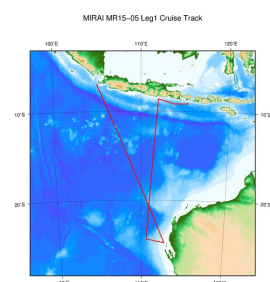
Data Citation

Refer [WHP I10 Revisit in 2015 Data Book](#) (doi: 10.17596/0000002) .

Overview

For details about data, please refer to the Data book "[WHP I10 Revisit in 2015 Data Book](#) " (doi: 10.17596/0000002) and [Cruise Report](#).

Related Information



[Enlarge Image](#)

MR15-05 Leg1

Ship Name: MIRAI

Period: 2015-12-23 - 2016-01-11

Chief Scientist: Katsuro Katsumata (JAMSTEC)

Project Name: [POST-WOCE Hydrography]

Proposal ▶ Research cruise on ocean decadal variability -- Indian Ocean GO-SHIP (Global Ocean

Title: Ship-based Hydrographic Investigation Program)

Update History

2018-05-31
2018-01-31

An observation data was registerd.
An observation data was registerd.

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Go to a Cruise Information

Cruise ID:

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Dive ID:

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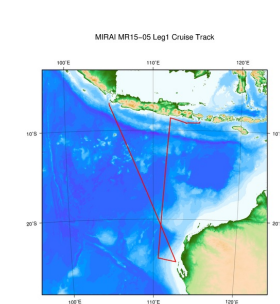
Format: WOCE Exchange format

Parameter	Units	Comments
EXPCODE	-	Expedition code
SECT	-	Section name
STNNBR	-	Station number
CASTNO	-	Cast number
DATE	-	Date
TIME	UTC	Time
LATITUDE	degrees	Latitude
LONGITUDE	degrees	Longitude
DEPTH	m	Depth
CTDPRS	dbar	Pressure measured by the CTD
CTDPRS_FLAG_W	-	CTDPRS data quality flag (see below)
CTDTMP	ITS-90	Temperature measured by the CTD
CTDTMP_FLAG_W	-	CTDTMP data quality flag (see below)
CTDSAL	PSS-78	Salinity measured by the CTD
CTDSAL_FLAG_W	-	CTDSAL data quality flag (see below)
CTDOXY	UMOL/KG	Oxygen measured by the RINKO
CTDOXY_FLAG_W	-	CTDOXY data quality flag (see below)
FLUOR	MG/CUM	Chlorophyll-a measured by the Fluorometer
FLUOR_FLAG_W	-	FLUOR data quality flag (see below)
XMISS	%	Transmission measured by the Transmissometer
XMISSCP	/METER	Beam attenuation coefficient measured by the Transmissometer
XMISS_FLAG_W	-	XMISS data quality flag (see below)
TURB	FTU	Turbidity measured by the Turbidity meter
TURB_FLAG_W	-	TURB data quality flag (see below)
PAR	UE/SQM/S	Photosynthetically Active Radiation measured by the PAR sensor
PAR_FLAG_W	-	PAR data quality flag (see below)
CDOM	UE/SQM/S	Colored Dissolved Organic Matter measured by the CDOM sensor
CDOM_FLAG_W	-	CDOM data quality flag (see below)
SVLSAL	G/KG	Absolute Salinity estimated from the sound velocity sensor
SVLSAL_FLAG_W	-	SVLSAL data quality flag (see below)
CTDNRA	UMOL/KG	Nitrate measured by the SUNA

Data quality flag

- 1 - Not calibrated (post-cruise calibration)
- 2 - Acceptable measurement
- 3 - Questionable measurement
- 4 - Bad measurement
- 5 - Not reported
- 6 - Interpolated
- 7 - Despiked
- 8 - Low-pass filtered
- 9 - Not sampled

Related Information



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MR15-05 Leg1

Ship Name: MIRAI

Period: 2015-12-23 - 2016-01-11

Chief Scientist: Katsuro Katsumata (JAMSTEC)

Project Name: [POST-WOCE Hydrography]

Proposal [►](#) Research cruise on ocean decadal variability -- Indian Ocean GO-SHIP (Global Ocean Ship-based Hydrographic Investigation Program)

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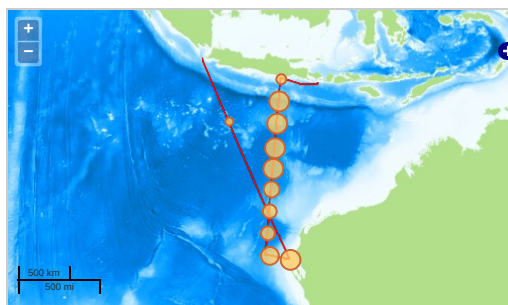
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OCEANS > OCEAN > WATER
TEMPERATURE TEMPERATURE
OCEANS > SALINITY/DENSITY > SALINITY

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

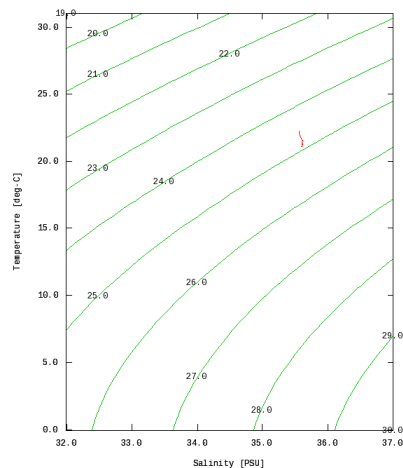
Imagery reproduced from ...

Figures

I10_00001_00001_ct1



MR15-05 Leg1: I10_0001_00001_ct1
Conductivity-Temperature-Depth Profiler (CTD): Salinity



















































Data List

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File names

☐ I10_00001_00001_ct1.csv
☐ I10_00002_00001_ct1.csv
☐ I10_00003_00001_ct1.csv
☐ I10_00004_00001_ct1.csv
☐ I10_00005_00001_ct1.csv
☐ I10_00006_00001_ct1.csv
☐ I10_00007_00001_ct1.csv
☐ I10_00008_00001_ct1.csv
☐ I10_00009_00001_ct1.csv
☐ I10_00010_00001_ct1.csv
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☐ I10_00011_00001_ct1.csv
☐ I10_00012_00001_ct1.csv

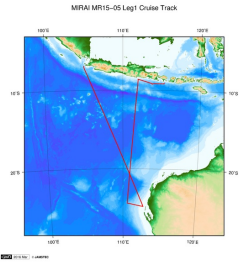
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	I10_00014_00001_ct1.csv
	I10_00015_00001_ct1.csv
	I10_00016_00001_ct1.csv
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	I10_00018_00001_ct1.csv
	I10_00019_00001_ct1.csv
	I10_00020_00001_ct1.csv
	I10_00021_00001_ct1.csv
	I10_00022_00001_ct1.csv
	I10_00022_00002_ct1.csv
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	I10_00028_00003_ct1.csv
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	I10_00050_00001_ct1.csv
	I10_00051_00001_ct1.csv
	I10_00052_00001_ct1.csv
	I10_00900_00002_ct1.csv

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

Observation	Time and Date	Lat. [°]	Lon. [°]
I10_00001_00001_ct1	2015-12-28 00:12	-24.7800	112.7692
I10_00002_00001_ct1	2015-12-28 03:06	-24.7433	112.6165
I10_00003_00001_ct1	2015-12-28 05:38	-24.7260	112.4670
I10_00004_00001_ct1	2015-12-28 08:08	-24.7030	112.3130
I10_00005_00001_ct1	2015-12-28 11:12	-24.6673	112.1977
I10_00006_00001_ct1	2015-12-28 14:05	-24.6335	111.9992
I10_00007_00001_ct1	2015-12-28 18:21	-24.5742	111.6540
I10_00008_00001_ct1	2015-12-28 21:48	-24.5017	111.2860
I10_00009_00001_ct1	2015-12-29 01:26	-24.4235	110.9367
I10_00010_00001_ct1	2015-12-29 04:45	-24.3767	110.5902
I10_00010_00003_ct1	2015-12-29 10:30	-24.3787	110.5918
I10_00011_00001_ct1	2015-12-29 18:38	-23.8847	110.6385
I10_00012_00001_ct1	2015-12-30 00:44	-23.3938	110.6723
I10_00013_00001_ct1	2015-12-30 06:49	-22.9075	110.7195
I10_00014_00001_ct1	2015-12-30 12:55	-22.4245	110.7583
I10_00015_00001_ct1	2015-12-30 19:02	-21.9380	110.8037
I10_00016_00001_ct1	2015-12-31 01:16	-21.4517	110.8427
I10_00017_00001_ct1	2015-12-31 07:35	-20.9660	110.8890
I10_00018_00001_ct1	2015-12-31 13:33	-20.4758	110.9228
I10_00019_00001_ct1	2015-12-31 18:40	-19.9903	110.9627
I10_00020_00001_ct1	2015-12-31 23:24	-19.5052	111.0022
I10_00021_00001_ct1	2016-01-01 04:22	-19.0152	111.0505
I10_00022_00001_ct1	2016-01-01 08:54	-18.5263	111.0872
I10_00022_00002_ct1	2016-01-01 12:50	-18.5272	111.0868
I10_00023_00001_ct1	2016-01-01 18:52	-18.0392	111.1285
I10_00024_00001_ct1	2016-01-02 01:11	-17.5550	111.1687
I10_00025_00001_ct1	2016-01-02 07:25	-17.0662	111.2123
I10_00026_00001_ct1	2016-01-02 13:04	-16.7018	111.2427
I10_00027_00001_ct1	2016-01-02 19:07	-16.3353	111.2727
I10_00028_00001_ct1	2016-01-02 23:39	-15.9688	111.3062

Observation ID	Time and Date	Lat. (°N)	Lon. (°E)
I10_00028_00003_ct1	2016-01-03 03:36	-15.9707	111.3037
I10_00029_00001_ct1	2016-01-03 09:14	-15.6023	111.3370
I10_00030_00001_ct1	2016-01-03 15:14	-15.2390	111.3653
I10_00031_00001_ct1	2016-01-04 01:30	-14.8690	111.3943
I10_00032_00001_ct1	2016-01-04 08:00	-14.5057	111.4272
I10_00033_00001_ct1	2016-01-04 12:37	-14.1450	111.4592
I10_00033_00002_ct1	2016-01-04 13:55	-14.1415	111.4578
I10_00033_00003_ct1	2016-01-04 16:45	-14.1403	111.4570
I10_00034_00001_ct1	2016-01-04 23:33	-13.6543	111.4982
I10_00035_00001_ct1	2016-01-05 06:04	-13.1705	111.5440
I10_00036_00001_ct1	2016-01-05 12:14	-12.6873	111.5840
I10_00037_00001_ct1	2016-01-05 17:05	-12.1952	111.6207
I10_00037_00002_ct1	2016-01-05 19:56	-12.1950	111.6248
I10_00037_00003_ct1	2016-01-05 21:13	-12.1940	111.6222
I10_00037_00004_ct1	2016-01-05 23:33	-12.1928	111.6223
I10_00038_00001_ct1	2016-01-06 03:54	-11.9487	111.6450
I10_00039_00001_ct1	2016-01-06 08:00	-11.7032	111.6672
I10_00040_00001_ct1	2016-01-06 12:58	-11.4558	111.6943
I10_00041_00001_ct1	2016-01-06 18:03	-11.2103	111.7170
I10_00042_00001_ct1	2016-01-06 23:51	-10.9630	111.7440
I10_00043_00001_ct1	2016-01-07 05:33	-10.7147	111.7627
I10_00044_00001_ct1	2016-01-07 11:58	-10.4692	111.7885
I10_00045_00001_ct1	2016-01-07 17:25	-10.2228	111.8118
I10_00046_00001_ct1	2016-01-07 22:04	-9.9767	111.8373
I10_00047_00001_ct1	2016-01-08 01:59	-9.7318	111.8603
I10_00048_00001_ct1	2016-01-08 05:47	-9.4853	111.8827
I10_00049_00001_ct1	2016-01-08 10:21	-9.2348	111.9043
I10_00050_00001_ct1	2016-01-08 14:51	-8.9882	111.9277
I10_00051_00001_ct1	2016-01-08 18:35	-8.7420	111.9512
I10_00052_00001_ct1	2016-01-08 21:57	-8.6197	111.9605
I10_00900_00002_ct1	2015-12-25 03:45	-12.5008	107.3375

Related Information



MIRAI MR15-05 Leg1 Cruise Track

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