

MIRAI MR16-09 Leg3 Conductivity-Temperature-Depth Profiler (CTD)

Last Modified: 2019-07-31

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

Cruise ID: [MR16-09 Leg3](#)

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/MR16-09_leg1-4_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)



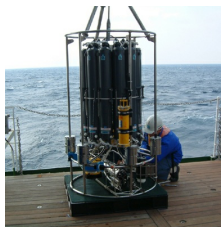
Instrument:

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)



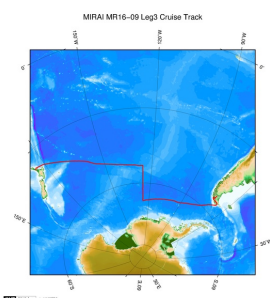
Data Citation

Refer [WHP P17E Revisit in 2017 Data Book](#) (doi: 10.17596/0000003) .

Overview

For details about data, please refer to the Data book [WHP P17E Revisit in 2017 Data Book](#) (doi: 10.17596/0000003).

Related Information



[Enlarge Image](#)

MR16-09 Leg3

Ship Name: MIRAI

Period: 2017-02-08 - 2017-03-04

Chief Scientist: Hiroshi Uchida (JAMSTEC)

Project Name: [POST-WOCE Hydrography]

Proposal ▶ Ship-borne measurements of aerosols in the marine atmosphere: Investigation of potential influence of marine aerosol particles on the climate;

Update History

2019-07-31	An observation data was registerd.
2019-04-25	An observation data was registerd.

JAMSTEC
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6K Sonar DEEP TOW
KM-ROV
POWER GRAB SAMPLER
(SHELL)
POWER GRAB SAMPLER
(CLOW)
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国立研究開発法人
海洋研究開発機構

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Format: WOCE Exchange format

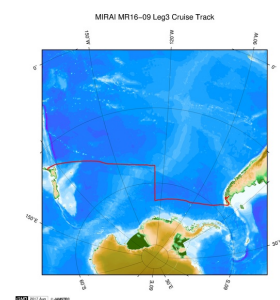
Parameter:

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

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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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.

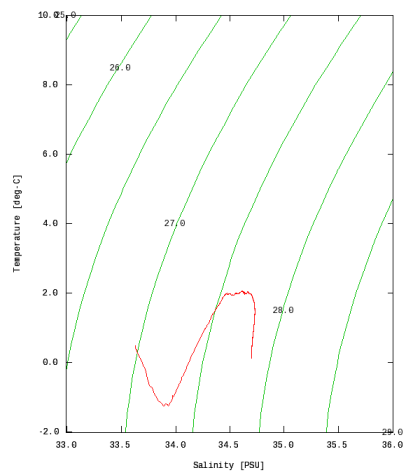


Figures

P17E_00001_00001_ct1



MR16-09 Leg3: P17E_00001_00001_ct1
Conductivity-Temperature-Depth Profiler (CTD): Salinity














Data List

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File names

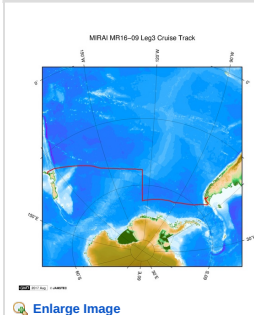
☐ P17E_00001_00001_ct1.csv
☐ P17E_00001_00002_ct1.csv
☐ P17E_00002_00001_ct1.csv
☐ P17E_00003_00001_ct1.csv
☐ P17E_00004_00001_ct1.csv
☐ P17E_00005_00001_ct1.csv
☐ P17E_00006_00001_ct1.csv
☐ P17E_00007_00001_ct1.csv
☐ P17E_00008_00001_ct1.csv
☐ P17E_00009_00001_ct1.csv
☐ P17E_00010_00001_ct1.csv
☐ P17E_00011_00001_ct1.csv
☐ P17E_00012_00001_ct1.csv

 P17E_0003_00001_ct1.csv
 P17E_00015_00001_ct1.csv
 P17E_00016_00001_ct1.csv
 P17E_00018_00001_ct1.csv
 P17E_00020_00001_ct1.csv
 P17E_00021_00001_ct1.csv
 P17E_00022_00001_ct1.csv
 P17E_00023_00001_ct1.csv
 P17E_00024_00001_ct1.csv
 P17E_00025_00001_ct1.csv
 P17E_00026_00001_ct1.csv

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

Observation	Time and Date	Lat. [°]	Lon. [°]
P17E_00001_00001_ct1	2017-02-16 04:02	-67.0017	-125.9833
P17E_00001_00002_ct1	2017-02-16 07:39	-66.9998	-125.9763
P17E_00002_00001_ct1	2017-02-16 15:24	-66.3593	-126.0628
P17E_00003_00001_ct1	2017-02-16 22:48	-65.6575	-125.9572
P17E_00004_00001_ct1	2017-02-17 05:28	-65.0167	-125.9600
P17E_00005_00001_ct1	2017-02-17 12:34	-64.3468	-126.0307
P17E_00006_00001_ct1	2017-02-17 19:29	-63.6835	-125.9928
P17E_00007_00001_ct1	2017-02-18 02:28	-63.0208	-125.9965
P17E_00008_00001_ct1	2017-02-18 22:29	-62.3353	-126.1107
P17E_00009_00001_ct1	2017-02-19 05:43	-61.6638	-125.9937
P17E_00010_00001_ct1	2017-02-19 12:32	-60.9785	-126.0072
P17E_00011_00001_ct1	2017-02-19 18:45	-60.4772	-125.9752
P17E_00012_00001_ct1	2017-02-20 00:36	-60.0138	-125.9755
P17E_00013_00001_ct1	2017-02-20 06:10	-59.6073	-126.0540
P17E_00015_00001_ct1	2017-02-20 15:20	-58.4992	-125.9840
P17E_00016_00001_ct1	2017-02-20 20:58	-58.0105	-125.9958
P17E_00018_00001_ct1	2017-02-21 05:34	-57.0167	-125.9872
P17E_00020_00001_ct1	2017-02-21 14:18	-56.0108	-125.9557
P17E_00021_00001_ct1	2017-02-21 19:47	-55.5035	-125.9772
P17E_00022_00001_ct1	2017-02-22 01:01	-55.0182	-125.9767
P17E_00023_00001_ct1	2017-02-22 06:15	-54.4727	-125.9853
P17E_00024_00001_ct1	2017-02-22 11:19	-54.0063	-125.9765
P17E_00025_00001_ct1	2017-02-22 17:09	-53.5082	-126.0225
P17E_00026_00001_ct1	2017-02-22 23:07	-53.0122	-126.0008

Related Information



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