

## MIRAI MR16-09 Leg3 Expendable Conductivity-Temperature-Depth Profiler (XCTD)

Last Modified: 2019-07-31

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

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

Expendable Conductivity-Temperature-Depth Profiler (XCTD): Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items: Depth, Temperature, Salinity

Science Keywords:

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](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.

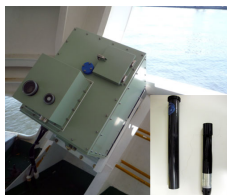
#### Data Citation

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

### Instrument

Instrument:

Expendable conductivity temperature  
depth measurements (XCTD) (MR11-  
04 - )



Instrument:

Expendable conductivity temperature  
depth measurements (XCTD) ( -  
MR11-E02)



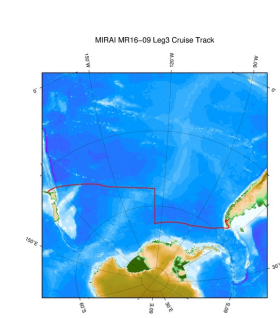
### Data Citation

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 registered.
2019-04-25	An observation data was registered.

#### JAMSTEC

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Dive ID:



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Data Policy: [JAMSTEC](#)

Format: WOCE Exchange format

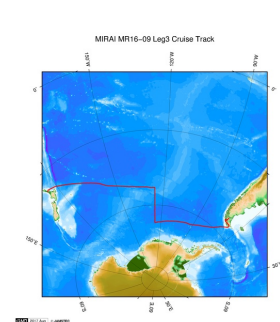
Parameter:

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
INSTRUMENT_TYPE	Instrument type	-
SERIAL_NUMBER	Serial number	-
XCTD_DEPTH_ADD_OFFSET	Offset added for the pressure data	-
XCTTMP_ADD_OFFSET	Offset added for the temperature data	ITS-90
XCTSAL_ADD_OFFSET	Offset added for the salinity data	PSS-78
XCTPRS	Pressure estimated from the fall rate equation	dbar
XCTPRS_FLAG_W	XCTPRS data quality flag (see below)	-
XCTTMP	Temperature measured by the XCTD	ITS-90
XCTTMP_FLAG_W	XCTTMP data quality flag (see below)	-
XCTSAL	Salinity measured by the XCTD	PSS-78
XCTSAL_FLAG_W	XCTSAL 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: Filled with the shallowest value
- 8: Low-pass filtered
- 9: Not sampled

### Related Information



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

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Data Policy: **JAMSTEC**

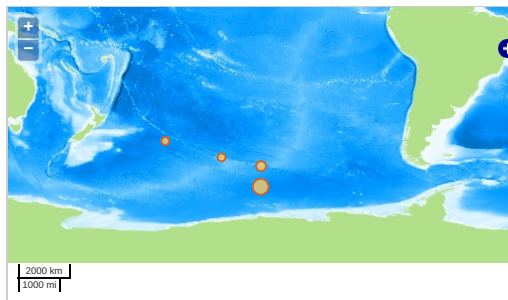
Observation Items: Depth, Temperature, Salinity

Science Keywords:

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

### Observation Map

1. Clicking the icon displays a balloon with observation information.



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

Imagery reproduced from ...

### Data List

[Add to Basket](#)

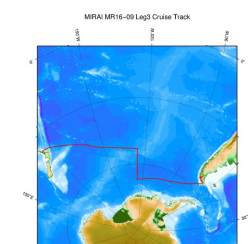
#### File names

☐ P17E\_00008\_00002\_xc1.csv  
☐ P17E\_00014\_00001\_xc1.csv  
☐ P17E\_00016\_00001\_xc1.csv  
☐ P17E\_00017\_00001\_xc1.csv  
☐ P17E\_00019\_00001\_xc1.csv  
☐ P17E\_00022\_00001\_xc1.csv  
☐ P17E\_00023\_00001\_xc1.csv  
☐ P17E\_00305\_00001\_xc1.csv  
☐ P17E\_00307\_00001\_xc1.csv

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

Observation	Time and Date	Lat. [°]	Lon. [°]
P17E_00008_00002_xc1	2017-02-18 21:32	-62.3322	-126.1135
P17E_00014_00001_xc1	2017-02-20 11:11	-59.0132	-125.9995
P17E_00016_00001_xc1	2017-02-20 19:58	-58.0065	-125.9983
P17E_00017_00001_xc1	2017-02-21 01:35	-57.4920	-126.0012
P17E_00019_00001_xc1	2017-02-21 10:16	-56.5133	-125.9948
P17E_00022_00001_xc1	2017-02-22 00:12	-55.0175	-125.9758
P17E_00023_00001_xc1	2017-02-22 05:27	-54.4740	-125.9815
P17E_00305_00001_xc1	2017-02-25 05:19	-51.9120	-139.9998
P17E_00307_00001_xc1	2017-02-28 09:26	-46.0847	-160.0020

### Related Information



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