

MIRAI MR14-06 Leg1 Partial Pressure of CO2 (pCO2)

Last Modified: 2018-08-25

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

Cruise ID: [MR14-06 Leg1](#)

Partial Pressure of CO2 (pCO2): Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items: CO2, Air temperature, Atmospheric pressure, Wind direction, Wind speed, Sea surface temperature, Sea surface salinity

Science Keywords:

OCEANS > OCEAN CHEMISTRY > CARBON DIOXIDE

Cruise Report

http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR14-06_leg1_all.pdf

For Using Data

Principal Investigator

Akihiko Murata (JAMSTEC)

Use Constraints

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

Data Citation

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

Instrument

Instrument:

pCO2 measurement system (MR10-07)

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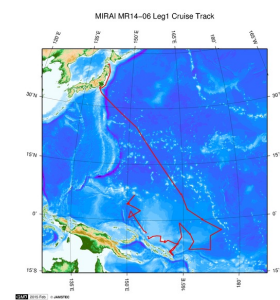
Overview

Please see the readmefile for details of data.

Akihiko Murata

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Japan Agency for Marine-Earth Science and Technology (JAMSTEC),
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Related Information



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MR14-06 Leg1

Ship Name: MIRAI

Period: 2014-11-04 - 2014-12-17

Chief Scientist: Daisuke Suetsugu (JAMSTEC)

Proposal ▶ Study of structure and formation process of the Ontong Java Plateau

Title:

Update History

2018-08-25	An observation data was registerd.
2018-01-31	An observation data was registerd.
2017-07-27	An observation data was registerd.
2016-12-21	An observation data was registerd.

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pCO2 FORMAT_J (MR11-08-)

Air-xCO₂

The file is in fixed comma separated text file (csv) format.

The "missing value" is defined as -999.

Column NO.	Column Heading	Comments
1	Date (UTC)	Year, Month, Day
2	Time (UTC)	Hour, Minute, Second
3	Latitude (degree)	Positive in north
4	Longitude (degree)	Degree in eastward (0 - 360)
5	Sea surface temperature (°C)	
6	Sea surface salinity (PSU)	
7	Air pressure (hPa)	
8	Wind direction (degree)	
9	Wind speed (m/s)	
10	xCO2 in dry air (ppmv)	

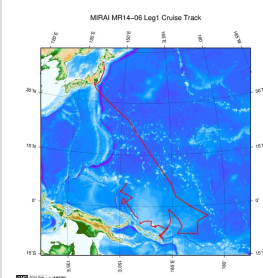
Sea-xCO₂

The file is in fixed comma separated text file (csv) format.

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1	Date (UTC)	Year, Month, Day
2	Time (UTC)	Hour, Minute, Second
3	Latitude (degree)	Positive in north
4	Longitude (degree)	Degree in eastward (0 - 360)
5	Sea surface temperature (°C)	
6	Sea surface salinity (PSU)	
7	Equilibrator temperature (°C)	
8	Equilibrator pressure (hPa)	
9	Air pressure (hPa)	
10	xCO2 in equilibrator (ppmv)	
11	pCO2 in equilibrator (µatm)	
12	pCO2 at SST (µatm)	
13	xCO2 in dry air (ppmv)	

Related Information



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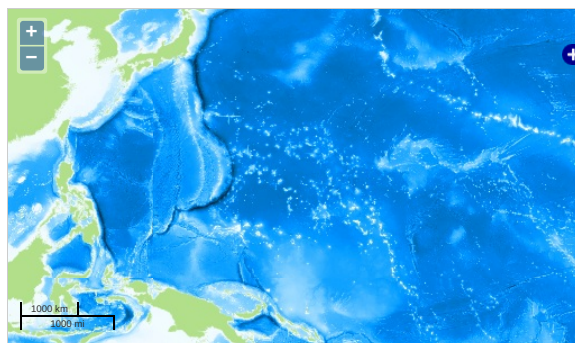
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Observation Map



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

Data List

☐ File names

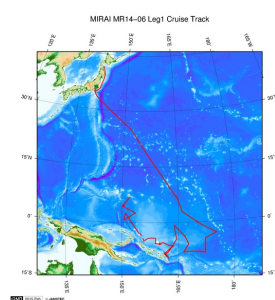
☐ MR14-06leg1_air.csv

☐ MR14-06leg1_sea.csv

☐ Readme_pCO2_MR14-06.pdf

☐ Readmefile.pdf

Related Information



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