

MIRAI MR13-06 Leg1 Concentration of total inorganic carbon in surface seawater

Last Modified: 2018-01-23

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

Cruise ID: [MR13-06 Leg1](#)

Concentration of total inorganic carbon in surface seawater : Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

Data Information

Seawater drawn continuously at ca. 4.5m depth was introduced into a borosilicate glass bottle.

The bottle was immersed in isothermal bath of 20 degrees celcius for about an hour.

Systems were calibrated using certified reference materials supplied by Scripps Institution of Oceanography.

Cruise Report

http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR13-06_leg1-2_all.pdf

For Using Data

Principal Investigator

Naohiro Kosugi (Meteorological Research Institute)

Use Constraints

It is recommended to contact the above investigator before use for publication.

Data Citation

It is recommended to contact the above investigator before use for publication.

Instrument

Instrument:

Underway TCO2 measuring system ;

Nippon ANS Ltd.

Instrument Information:

Underway TCO2 measuring system ;

Nippon ANS Ltd.



Data Format

The data was formatted as comma-separated-value (.csv) file.

01st column: Date and time [UTC]

02nd column: Latitude [deg, negative value means south latitude]

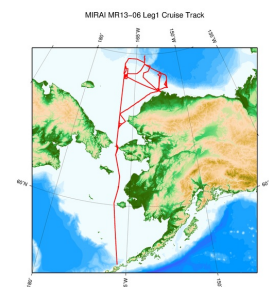
03rd column: Longitude [deg, XXX degrees west was represented as (360 - XXX)]

04th column: Sea surface temperature [degC]

05th column: Sea surface salinity

06th column: Concentration of dissolved inorganic carbon [micromols per kg]

Related Information



[Enlarge Image](#)

MR13-06 Leg1

Ship Name: MIRAI

Period: 2013-08-28 - 2013-10-07

Chief Scientist: Shigeto Nishino (JAMSTEC)

Project Name: [Arctic Ocean Climate System Reaserch]

Proposal ▶ Study on environmental changes in the sea-ice reduction regions of the Arctic Ocean

Title:

Update History

2018-01-23	An observation data was registered.
2017-12-18	An observation data was registered.

JAMSTEC

[Site Policy](#)

[Privacy Policy](#)

[Application for Data and Samples](#)

[Data Policy](#)

[What's New](#)

Lists

[Publication List](#)

[Amount of Public Info.](#)

Data

[Map Search](#)

[Data Tree](#)

[Detailed Search](#)

Information of the Ships

[NATSUSHIMA](#)

[KAIYO](#)

[YOKOSUKA](#)

[MIRAI](#)

[KAIREI](#)

[CHIKYU](#)

Information of the Submersibles

[KAIKO](#)

[SHINKAI 2000](#)

[SHINKAI 6500](#)

[DEEP TOW](#)

[HYPER-DOLPHIN](#)

Go to a Cruise Information

Cruise ID:

Go to a Dive Information

Update History
Feeds

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:

Copyright 2011 Japan Agency for Marine-Earth Science and
Technology



JAMSTEC 国立研究開発法人
海洋研究開発機構
JAPAN AGENCY FOR MARINE-EARTH SCIENCE AND TECHNOLOGY

MIRAI MR13-06 Leg1 Concentration of total inorganic carbon in surface seawater

Last Modified: 2018-01-23

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

Cruise ID: **MR13-06 Leg1**

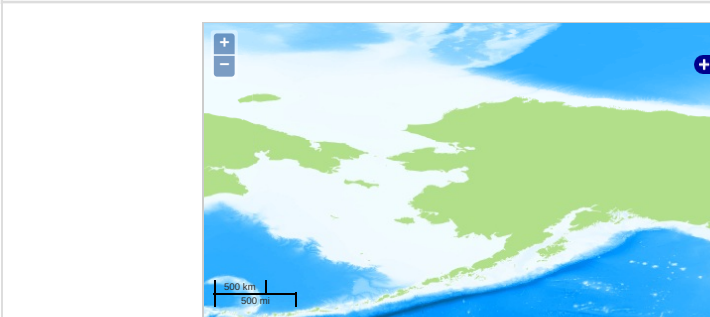
Concentration of total inorganic carbon in surface seawater. Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

Observation Map



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

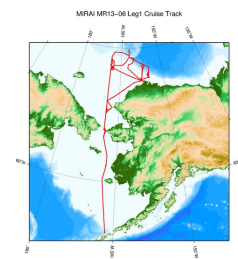
Data List

[Add to Basket](#)

File names

☐ MR13-06_leg1_Surface_TCO2_data.csv

Related Information



[Enlarge Image](#)

MR13-06 Leg1

Ship Name: MIRAI

Period: 2013-08-28 - 2013-10-07

Chief Scientist: Shigeto Nishino (JAMSTEC)

Project Name: [Arctic Ocean Climate System Research]

Proposal ▶ Study on environmental changes in the sea-ice reduction regions of the Arctic Ocean

Title:

Update History

2018-01-23	An observation data was registered.
2017-12-18	An observation data was registered.

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: