

## MIRAI MR18-05C Total CO2 (TCO2)

Last Modified: 2022-01-18

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

Cruise ID: [MR18-05C](#)

Total CO2 (TCO2): Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items: Total Dissolved inorganic carbon, Sea surface temperature, Sea surface salinity

Science Keywords:

OCEANS > OCEAN CHEMISTRY > INORGANIC CARBON

OCEANS > SALINITY/DENSITY > SALINITY

OCEANS > OCEAN TEMPERATURE > SEA SURFACE TEMPERATURE

Cruise Report

[http://www.godac.jamstec.go.jp/catalog/data/doc\\_catalog/media/MR18-05C\\_all.pdf](http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR18-05C_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:

TCO2 measurement system (MR09-04

- )



### About this data

PI (Principal Investigator) : Akihiko Murata

Physical and Chemical Oceanography Research Group

Global Ocean Observation Research Center

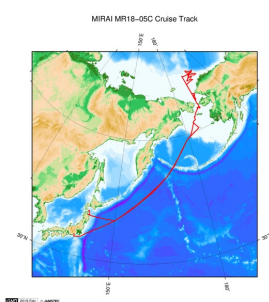
Research Institute for Global Change (RIGC)

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

2-15, Natsushima, Yokosuka, Kanagawa, Japan 237-0061,

[murataa@jamstec.go.jp](mailto:murataa@jamstec.go.jp)

### Related Information



[Enlarge Image](#)

#### MR18-05C

Ship Name: MIRAI

Period: 2018-10-24 - 2018-12-06

Chief Scientist: Jun Inoue (National Institute of Polar Research)

Project Name: [Arctic Ocean Climate System Research]

Proposal ▶ Predictability study on weather and sea-ice forecasts linked with user engagement

Title:

### Update History

2022-01-18	An observation data was registered.
2020-12-06	An observation data was registered.

#### JAMSTEC

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#### 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

#### Go to a Cruise Information

Cruise ID:

#### Go to a Dive Information

Dive ID:

KM-ROV  
POWER GRAB SAMPLER  
(SHELL)  
POWER GRAB SAMPLER  
(CLOW)  
BMS

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海洋研究開発機構  
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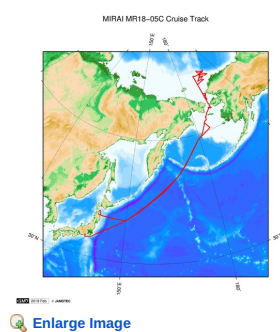
Total CO2 (TCO2): Processed (PI)

Data Policy: [JAMSTEC](#)

### Data Format

Column No.	Comments
1	Year, Month, Day (UTC) yyyy/mm/dd
2	Hour, Minute (UTC)
3	Latitude (decimal)
4	Longitude (decimal)
5	Sea surface temperature (°C)
6	Sea surface salinity
7	DIC (μmol/kg)

### Related Information



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[KM-ROV](#)  
[POWER GRAB SAMPLER \(SHELL\)](#)  
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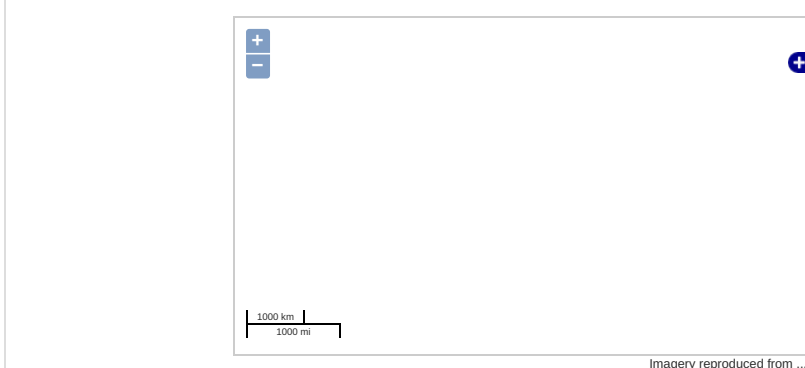
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### Observation Map

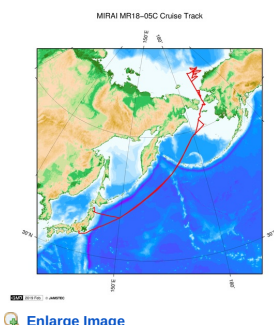


### Data List

File names

☐ MR18-05C\_underwayTCO2.csv

### Related Information



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