

MIRAI MR12-E03 Absorbance of Colored Dissolved Organic Materials

Last Modified: 2015-09-30

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

Cruise ID: [MR12-E03](#)

Absorbance of Colored Dissolved Organic Materials : Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

Data Information

Spectral absorbance of CDOM inside the visible range (250 - 700 nm)

Spectral absorbance of colored dissolved organic mater (CDOM) was measured using spectrophotometer (UV2400, Shimadzu) after the extraction of all particles by filtering through 0.2 µm pore sized nuclepore filter.

Cruise Report

http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR12-E03_all.pdf

For Using Data

Principal Investigator

Toru Hirawake (Faculty of Fisheries Sciences, Hokkaido University)

Use Constraints

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

Data Citation

Kikuchi, T., 2012, R/V Mirai Cruise Report MR12-E03, edited by T. Kikuchi and S. Nishino, 190pp., JAMSTEC, Yokosuka, Japan.

Upon consultation in advance with the chief of investigation and the person(s) in charge of research issues who gathered that data, we request that the text of the results material contain a statement to the effect that it was obtained during the R/V Mirai cruise of MR12-E03, the Chief Scientist, Takashi Kikuchi (JAMSTEC), and the following Principal Investigators (PIs) for gathering the data.

Chief Scientist

Takashi Kikuchi

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

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

Tel: +81-46-867-9486, Fax: +81-46-867-9437

E-mail: takashik @ jamstec.go.jp

PI

Toru Hirawake (Hokkaido University)

Amane Fujiwara (JAMSTEC)

And also the data were obtained under the GRENE (Green Network of Excellence) Arctic Climate Change Research Project of the Ministry of Education, Culture, Sports, Science and Technology in Japan (MEXT).

Instrument

Instrument:

Spectrophotometer UV2400

(Shimadzu)

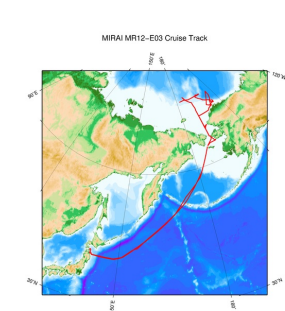
Instrument Information:



Data Format

The data sampled at each station and each depth is formatted to a ASCII file. Measured wavelengths (nm) and absorbance were recorded to a file. The information of filtration and measurement is written in 'fieldnote_CDOM.xls'.

Related Information



 [Enlarge Image](#)

MR12-E03

Ship Name: MIRAI

Period: 2012-09-03 - 2012-10-17

Chief Scientist: Takashi Kikuchi (JAMSTEC)

Project Name: [Arctic Ocean Climate System Reaserch]

Proposal ▶ Ecosystem studies on the Arctic Ocean declining sea ice

Title:

Update History	
2015-09-30	An observation data was registerd.

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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:

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JAMSTEC 国立研究開発法人
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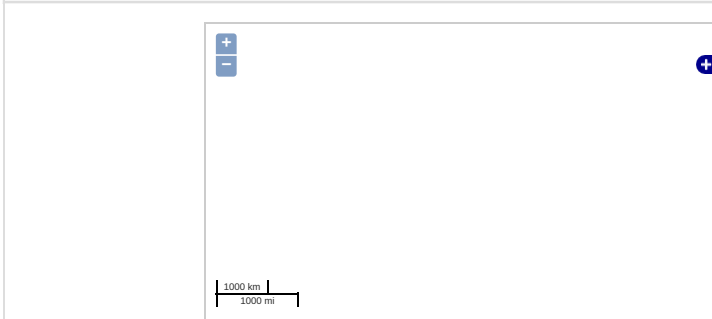
Absorbance of Colored Dissolved Organic Materials: Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

Observation Map



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

Imagery reproduced from ...

Data List

[Add to Basket](#)

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BASE_26.ASC
fieldnote_CDOM.xlsx

Related Information

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Ship Name: MIRAI

Period: 2012-09-03 - 2012-10-17

Chief Scientist: Takashi Kikuchi (JAMSTEC)

Project Name: [Arctic Ocean Climate System Reaserch]

Proposal ▶ Ecosystem studies on the Arctic Ocean declining sea ice

Title:

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POWER GRAB SAMPLER (CLOW)

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