

MIRAI MR12-E03 Photosynthesis-Irradiance curve

Last Modified: 2015-09-30

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

Cruise ID: [MR12-E03](#)

Photosynthesis-Irradiance curve: Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

Data Information

Data of photosynthesis-irradiance curve of phytoplankton. Photosynthetic rates of phytoplankton at 10 levels of irradiance (PAR).

Cruise Report

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

For Using Data

Principal Investigator

See Data Citation

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)

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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:

DELTAPlusADVANTAGE (Thermo

Finnigan) and Flash EA 1112 (Thermo

Finnigan).

Instrument Information:

An isotope ratiomass spectrometer

(DELTAPlusADVANTAGE, Thermo

Finnigan) and an in-line elemental

analyser (Flash EA 1112, Thermo

Finnigan).



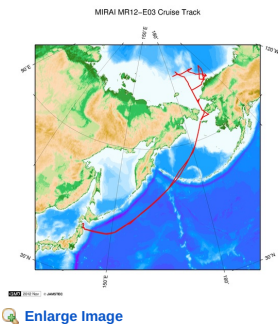
Sample

Seawater sample

Data Format

Excel format

Related Information



MR12-E03

Ship Name: MIRAI

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

Chief Scientist: Takashi Kikuchi (JAMSTEC)

Project Name: [Arctic Ocean Climate System Research]

Proposal ▶ Ecosystem studies on the Arctic Ocean declining sea ice

Title:

Update History

| | |
|------------|-------------------------------------|
| 2015-09-30 | An observation data was registered. |
|------------|-------------------------------------|

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Application for Data and

Samples

Data Policy

What's New

Update History

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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:

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海洋研究開発機構
JAPAN AGENCY FOR MARINE-EARTH SCIENCE AND TECHNOLOGY

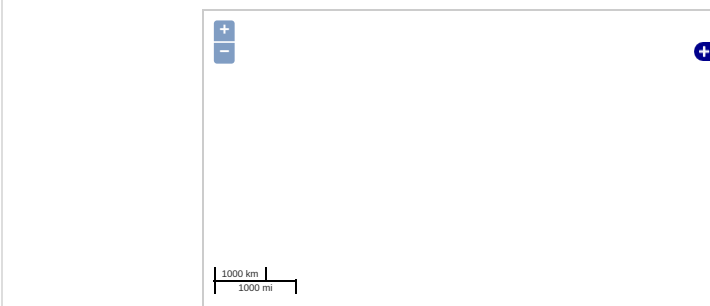
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Observation Items:
Science Keywords:

Observation Map



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

Imagery reproduced from ...

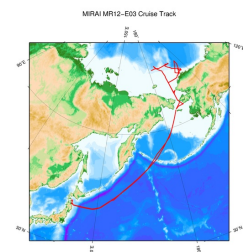
Data List

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File names

MR12-E03_P-E_Curve.xlsx

Related Information



[Enlarge Image](#)

MR12-E03

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Dive ID:

