

MIRAI MR12-E03 HPLC Phytoplankton pigment concentration

Last Modified: 2015-09-30

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

Cruise ID: [MR12-E03](#)

HPLC Phytoplankton pigment concentration: Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

Data Information

Concentrations of phytoplankton pigment were sampled in the subsurface layer. Filter samples were stored in a deep-freezer (-80°C) until analysis on land. Pigments were extracted following to a method described in Suzuki et al., (2005). Concentrations of phytoplankton pigment were determined by a method of Van Heukelem et al. (2001).

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

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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:

Shimadzu HPLC (CLASS-VP system)

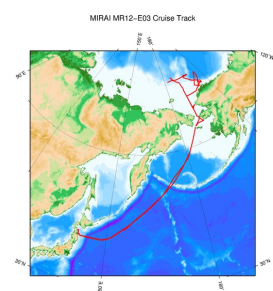
Instrument Information:



Data Format

The data sampled at each station and each depth are formatted to ASCII files. The information of filtration and measurement is written in the fieldnote formatted to a Microsoft Excel file.

Related Information



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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 registerd.

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国立研究開発法人
海洋研究開発機構

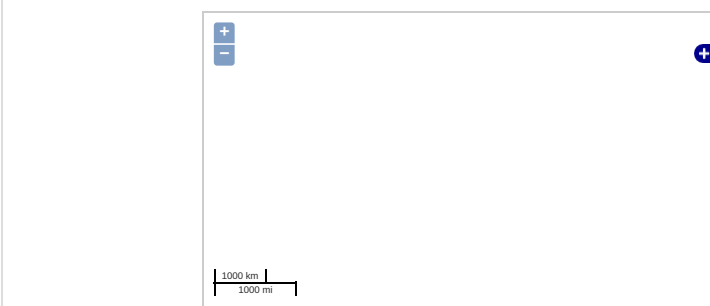
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Observation Map



Imagery reproduced from ...

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

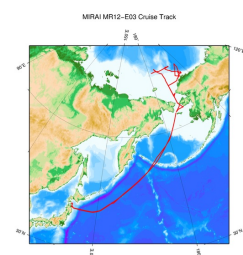
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File names

HPLC_Mirai_MR12-E03.xlsx

Related Information



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