

MIRAI MR12-E03 Nutrients in bottom water

Last Modified: 2015-05-31

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

Cruise ID: [MR12-E03](#)

Nutrients in bottom water: Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

Data Information

Seawater samples were filtered through 0.45 μm and then kept frozen until analysis. Samples were thawed in room temperature (20 $^{\circ}\text{C}$) for 4 hours and then analyzed for nutrient concentrations (nitrate, nitrite, ammonium, phosphate, and silicate). Data were calibrated against the certified reference material (CRM) provided by KANSO (Lot. CA).

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

contact PI before publishing any products using this data

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 for the data

Michiyo Yamamoto-Kawai (Tokyo Univ. of Marine Science and Technology)

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:

QuAAtro-Marine 5ch

Instrument Information:



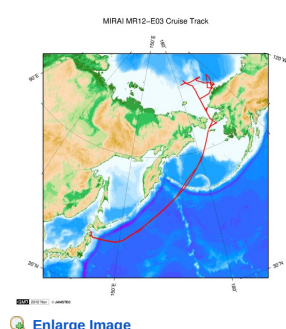
Sample

Seawater sample collected by Niskin bottle attached to the multiple coring system

Data Format

text file, unit = $\mu\text{mol/L}$

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:

 [Enlarge Image](#)

Update History	
2015-05-31	An observation data was registerd.

JAMSTEC

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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:

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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

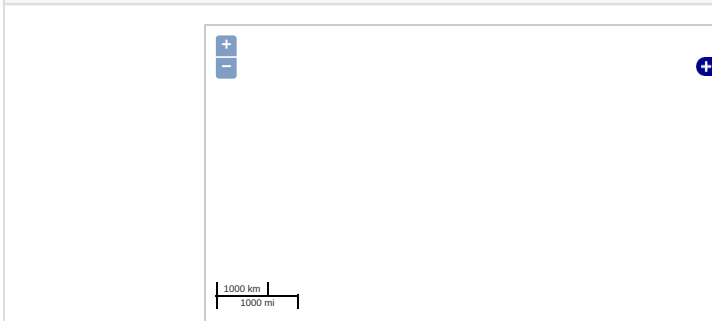
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Science Keywords:

Observation Map



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

Imagery reproduced from ...

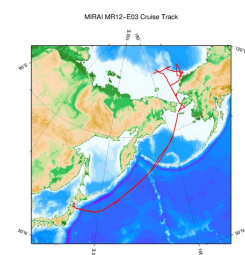
Data List

[Add to Basket](#)

File names

☐ MR12-E03-Kawai_BottomNuts.txt

Related Information



[Enlarge Image](#)

MR12-E03

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Chief Scientist: Takashi Kikuchi (JAMSTEC)
Project Name: [Arctic Ocean Climate System Research]
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