

MIRAI MR12-E03 Grazing rate of large copepods

Last Modified: 2015-09-30

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

Cruise ID: [MR12-E03](#)

Grazing rate of large copepods: Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

Data Information

We measured the clearance rate of large copepods (Calanoida.). The copepods were collected using 80 cm ringnet and stored into 2.3L polycarbonate bottle filled with sampled sea water obtained at surface or chl a maximum depth. The copepods were incubated for 24 hours in running surface water. Size-fractionated chl a concentration (<2µm, 2–20µm, >20µm) before and after experiment was measured by Tuner fluorometer. Clearance rate were computed from the chl a for each size classes following to the method of Frost (1972).

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:

Turner fluorometer 10-AU

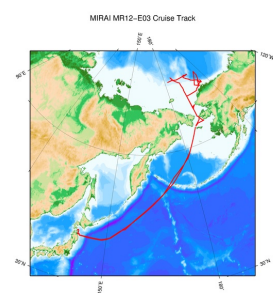
Instrument Information:



Data Format

The information of chlorophyll-a concentrations before/after incubation are 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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Go to a Cruise Information

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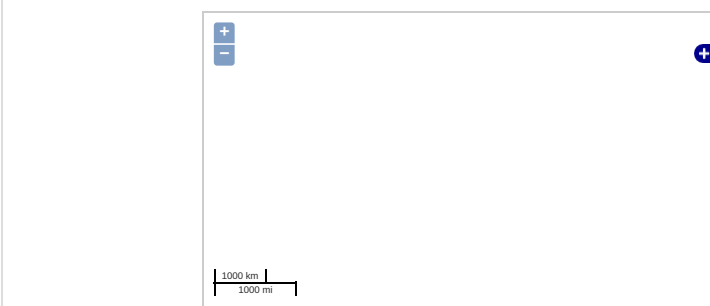
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Science Keywords:

Observation Map



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

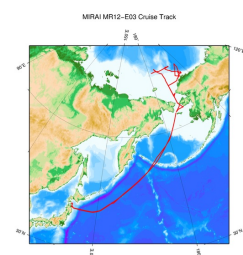
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Data List

File names

☐ clearancerate.xlsx

Related Information



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