

MIRAI MR12-E03 particulate backscattering coefficient

Last Modified: 2015-09-30

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

Cruise ID: [MR12-E03](#)

particulate backscattering coefficient: Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

Data Information

Vertical profiles of backward volume scattering function (beta), particulate back scattering coefficient (bbp) at 6 wavelengths (see "HydroScat6_data_spec.xlsx"), and fluorescence at 510 and 676 nm. Corrected beta, bbp and fluorescence were calculated by standard correction method (sigma correction) using Hydrosoft (HOBILabs). Details are described in "http://www.hobilabs.com/cmsitems/attachments/3/HS6ManualRevJ-2010-8a.pdf".

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

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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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:

Backscattering Sensor & Fluorometer
(HOBILabs)

Instrument Information:

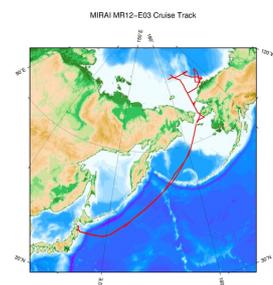
Measure vertical profiles of
backscattering at 6 wavelengths and
chlorophyll and CDOM fluorescence



Data Format

The data sampled at each station are formatted to ASCII files. See 'HydroScat6_fieldnote.xlsx' to refer the data information when obtained. Data specification is also shown in 'HydroScat6_data_spec.xlsx'.

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	
2015-09-30	An observation data was registered.

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Information of the Ships

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- [KAIYO](#)
- [YOKOSUKA](#)
- [MIRAI](#)
- [KAIREI](#)
- [CHIKYU](#)
- [KAIMEI](#)
- [SHINSEI MARU](#)
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- [SHINKAI 2000](#)
- [SHINKAI 6500](#)
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Go to a Cruise Information

Cruise ID:

Go to a Dive Information

Dive ID:

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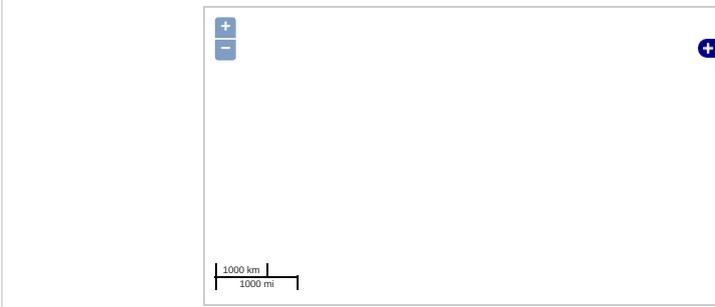
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Observation Map

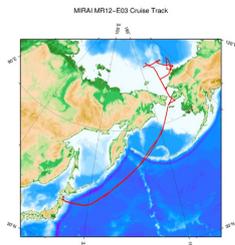


— ... Observation Line — ... Navigation ● ... Observation, Dive Point, Hole

Data List

- File names
- 1.dat
- 1.raw
- 10.raw
- 10.dat
- 11.raw
- 11.dat
- 12.dat
- 12.raw
- 13.dat
- 13.raw
- 14.raw
- 14.dat
- 15.dat
- 15.raw
- 16.dat
- 16.raw
- 17.dat
- 17.raw
- 18.dat
- 18.raw
- 19.raw
- 19.dat
- 2.dat
- 2.raw
- 3.raw
- 3.dat
- 4.dat
- 4.raw
- 5.raw
- 5.dat
- 6.dat
- 6.raw
- 7.dat
- 7.raw
- 8.raw
- 8.dat
- 9.dat
- 9.raw
- HS101152_2011-2-22.cal
- HydroScat6_data_spec.xlsx
- HydroScat6_fieldnote.xls

Related Information



[Enlarge Image](#)

MR12-E03

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 Project Name: [Arctic Ocean Climate System Reaserch]
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