

MIRAI MR16-06 In-water particulate backscattering

Last Modified: 2018-11-30

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

Cruise ID: [MR16-06](#)

In-water particulate backscattering: 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, and fluorescence at 510 and 676 nm. Corrected beta, bbp and fluorescence were calculated by standard correction method (sigma correction) using Hydrossoft (HOBILabs).

Cruise Report

http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR16-06_all.pdf

For Using Data

Principal Investigator

Toru Hirawake (Hokkaido University)

Use Constraints

See [Terms and Conditions](#) about constrain of use.

Data Citation

Please mention that this cruise was conducted under the Arctic Challenge for Sustainability (ArCS) Project, which was funded by the Ministry of Education, Culture, Sports, Science and Technology of Japan (MEXT).

Instrument

Instrument:

Backscattering Sensor & Fluorometer
(HOBILabs)

Instrument Information:

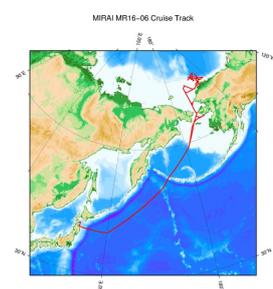
Measure vertical profiles of backscattering at 6 wavelengths and chlorophyll and CDOM fluorescence.



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



[Enlarge Image](#)

MR16-06

Ship Name: MIRAI

Period: 2016-08-22 - 2016-10-05

Chief Scientist: Shigeto Nishino (JAMSTEC)

Project Name: [Arctic Ocean Climate System Research]

Proposal ▶ Predictability study on weather and sea-ice forecasts linked with user engagement

Title:

Update History

2018-11-30 An observation data was registered.

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[Data](#)
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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)

Go to a Cruise Information

Cruise ID:

Go to a Dive Information

Dive ID:

POWER GRAB SAMPLER
(CLOW)
BMS

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Technology



JAMSTEC 国立研究開発法人
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JAPAN AGENCY FOR MARINE-EARTH SCIENCE AND TECHNOLOGY

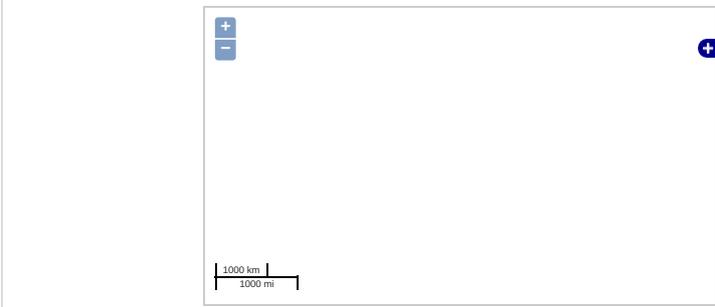
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ReadMe **Observation Data**

Cruise ID: [MR16-06](#)
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Observation Map

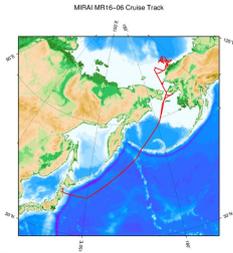


— ... Observation Line — ... Navigation ● ... Observation, Dive Point, Hole

Data List

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

Related Information



[Enlarge Image](#)

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Lists

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- [BMS](#)

Go to a Cruise Information

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Go to a Dive Information

Dive ID: