

## 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 Hydrosift (HOBi Labs).

### Cruise Report

[http://www.godac.jamstec.go.jp/catalog/data/doc\\_catalog/media/MR16-06\\_all.pdf](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  
(HOBi Labs)

Instrument Information:

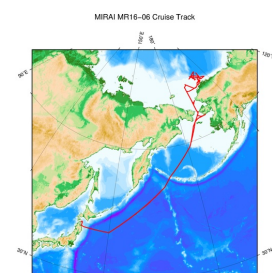
Measure vertical profiles of  
backscattering at 6 wavelengths and  
chlorophyll and CDOM fluorescence.



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

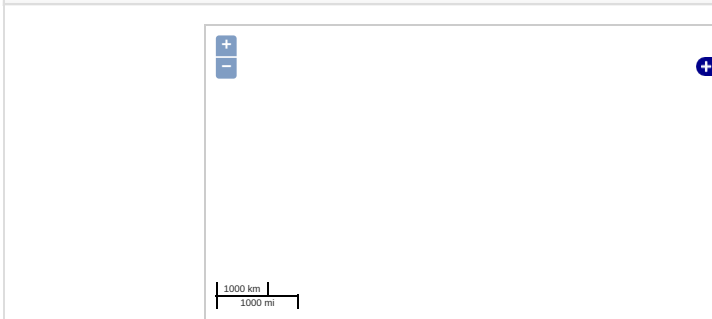
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Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

### Observation Map



Imagery reproduced from ...

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

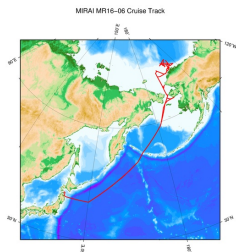
### Data List

[Add to Basket](#)

#### ☐ 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
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- ☐ 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



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Dive ID:

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