

## MIRAI MR16-06 Number concentrations of airborne fluorescent particles

Last Modified: 2018-11-30

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

Cruise ID: [MR16-06](#)

Number concentrations of airborne fluorescent particles : Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

### Data Information

Results of number concentration for fluorescent airborne particles measured by WIBS4 installed on the flying deck. Data were selected in the case that relative wind direction and speed are from bow in +/-70 deg and higher than 2m/s, respectively.

### 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

Fumikazu Taketani (JAMSTEC)

#### Use Constraints

It is recommended to contact the above investigator before use for publication.

#### Data Citation

It is recommended to contact the above investigator before use for publication.

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:

WIBS-4(Waveband Integrated  
Bioaerosol Sensor)

Instrument Information:

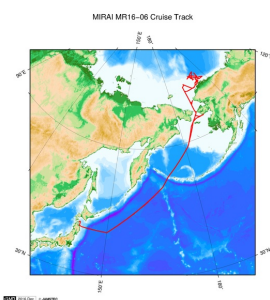
The fluorescence signals induced by two pulsed xenon UV lights (280 nm and 370 nm) from the particle are detected by two PMTs, separately for the 310–400 nm and 420–650 nm wavelength windows.



### Data Format

Text format. See the header of the data files for more details.

### 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 Reaserch]

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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#### Lists

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#### Data

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[KAIYO](#)  
[YOKOSUKA](#)  
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#### Information of the Submersibles

[KAIKO](#)  
[SHINKAI 2000](#)  
[SHINKAI 6500](#)  
[DEEP TOW](#)  
[HYPER-DOLPHIN](#)  
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[6K Camera DEEP TOW](#)  
[6K Sonar DEEP TOW](#)

#### Go to a Cruise Information

Cruise ID:

#### Go to a Dive Information

Dive ID:

KM-ROV  
POWER GRAB SAMPLER  
(SHELL)  
POWER GRAB SAMPLER  
(CLOW)  
BMS

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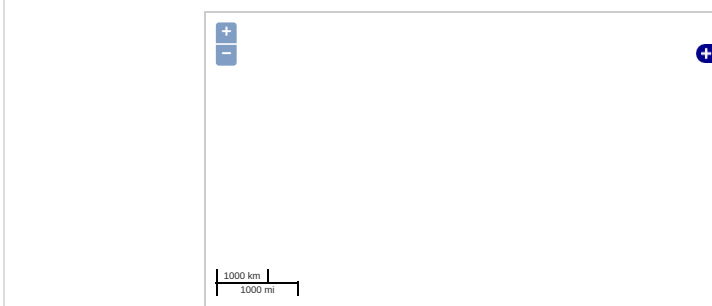
Number concentrations of airborne fluorescent particles: Processed (P1)

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

### Observation Map



Imagery reproduced from ...

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

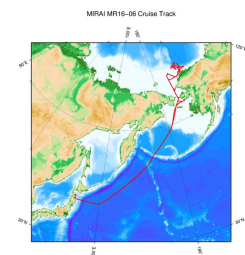
### Data List

[Add to Basket](#)

#### File names

MR1606\_WIBS4.csv

### 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:

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Dive ID:

