

## MIRAI MR17-05C Number concentrations of airborne fluorescent particles

Last Modified: 2019-09-17

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

Cruise ID: [MR17-05C](#)

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/MR17-05C\\_all.pdf](http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR17-05C_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:

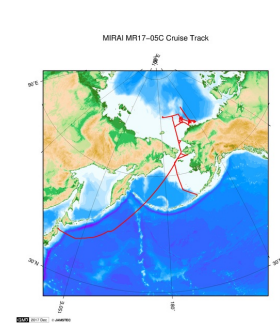
The fluorescence signals induced by two pulsed xenon UV lights (280 nm and 370 nm) from the particle are detected by two PMTs, separately for the 310–400 nm and 420–650 nm wavelength windows.



### Data Format

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

### Related Information



[Enlarge Image](#)

### MR17-05C

Ship Name: MIRAI

Period: 2017-08-24 - 2017-10-01

Chief Scientist: Shigeto Nishino (JAMSTEC)

Project Name: [Arctic Ocean Climate System Reaserch]

Proposal ▶ Arctic Challenge for Sustainability (ArCS)

Title:

### Update History

2019-09-17 An observation data was registerd.

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Cruise ID:

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Dive ID:

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

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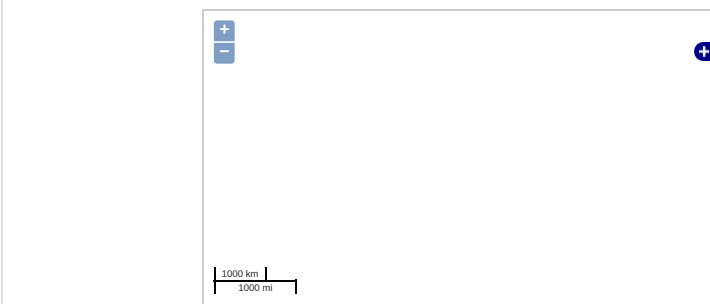
Number concentrations of airborne fluorescent particles: Processed (P1)

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

### Observation Map



Imagery reproduced from ...

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

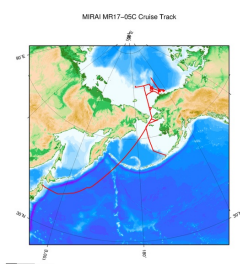
### Data List

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#### File names

☐ MR1705C\_WBS4.csv

### Related Information



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#### MR17-05C

Ship Name: MIRAI

Period: 2017-08-24 - 2017-10-01

Chief Scientist: Shigeto Nishino (JAMSTEC)

Project Name: [Arctic Ocean Climate System Research]

Proposal ▶ Arctic Challenge for Sustainability (ArCS)

Title:

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