

MIRAI MR17-04 Leg1 Number concentrations of airborne fluorescent particles

Last Modified: 2019-09-30

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

Cruise ID: [MR17-04 Leg1](#)

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 WIBS-4 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/MR17-04_leg1-2_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.

Instrument

Instrument:

WIBS-4(Waveband Integrated
Bioaerosol Sensor)

Instrument Information:

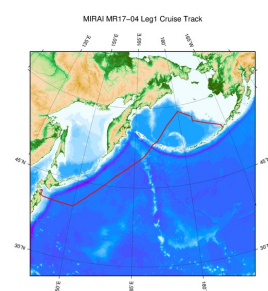
The fluorescence signals induced by two pulsed xenon UV lights (280 nm and 370 nm) from the particle are detected by two PMTs, separately for the 310–400 nm and 420–650 nm wavelength windows.



Data Format

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

Related Information



[Enlarge Image](#)

MR17-04 Leg1

Ship Name: MIRAI

Period: 2017-07-10 - 2017-08-02

Chief Scientist: Tetsuichi Fujiki (JAMSTEC)

Project Name: [Station K2]

Proposal ▶ Collaborative experiment on Biogeochemical and Ecosystem Studies for sub-Arctic sea

Title:

Update History

2019-09-30 An observation data was registered.

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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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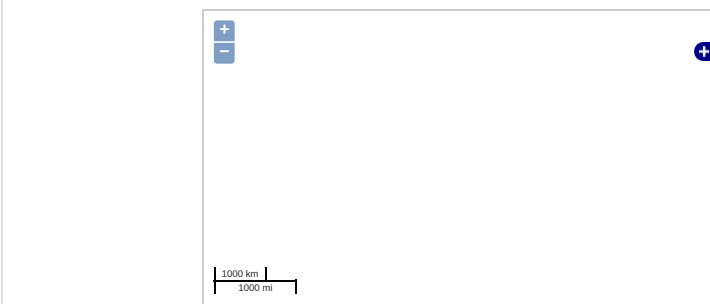
Number concentrations of airborne fluorescent particles: Processed (P1)

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

Observation Map



Imagery reproduced from ...

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

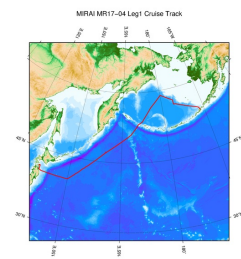
Data List

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File names

MR1704Leg1_WIBS4.csv

Related Information



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