

## MIRAI MR14-06 Leg3 Mass concentration of atmospheric aerosol particles

Last Modified: 2018-01-23

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

Cruise ID: [MR14-06 Leg3](#)

Mass concentration of atmospheric aerosol particles: Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

### Data Information

Results of mass concentration of water soluble composition of atmospheric aerosol particles. To obtain the mass concentration of water soluble composition, the atmospheric aerosol particles collected along cruise track using high-volume air sampler were analyzed by ion chromatography.

### Cruise Report

[http://www.godac.jamstec.go.jp/catalog/data/doc\\_catalog/media/MR14-06\\_leg3\\_all.pdf](http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR14-06_leg3_all.pdf)

### For Using Data

#### Principal Investigator

Fumikazu Taketani (Department of Environmental Geochemical Cycle Research)

#### 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.

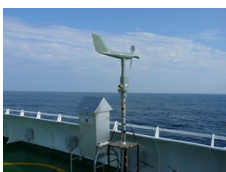
### Instrument

Instrument:

High volume air sampler (HV-525PM,  
sibata scientific technology ltd)

Instrument Information:

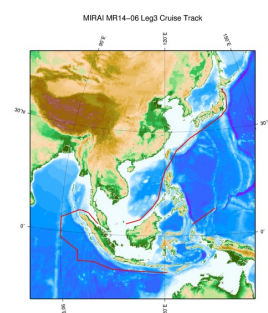
Aerosol particles were collected on the filter using the pump(500L/min). To avoid collecting particles emitted from the funnel of the own vessel, the sampling period was controlled automatically by using a "wind-direction selection system"



### Data Format

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

### Related Information



[Enlarge Image](#)

### MR14-06 Leg3

Ship Name: MIRAI

Period: 2015-01-22 - 2015-02-25

Chief Scientist: Iwao Ueki (JAMSTEC)

Proposal ▶ Study of structure and formation process of the Ontong Java Plateau

Title:

### Update History

|            |                                     |
|------------|-------------------------------------|
| 2018-01-23 | An observation data was registered. |
| 2017-02-28 | An observation data was registered. |

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[CHIKYU](#)  
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### Information of the Submersibles

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[SHINKAI 2000](#)  
[SHINKAI 6500](#)  
[DEEP TOW](#)  
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[URASHIMA](#)  
[YOKOSUKA DEEP TOW](#)  
[6K Camera DEEP TOW](#)

### Go to a Cruise Information

Cruise ID:

### Go to a Dive Information

Dive ID:

6K Sonar DEEP TOW  
KM-ROV  
POWER GRAB SAMPLER  
(SHELL)  
POWER GRAB SAMPLER  
(CLOW)  
BMS

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Technology



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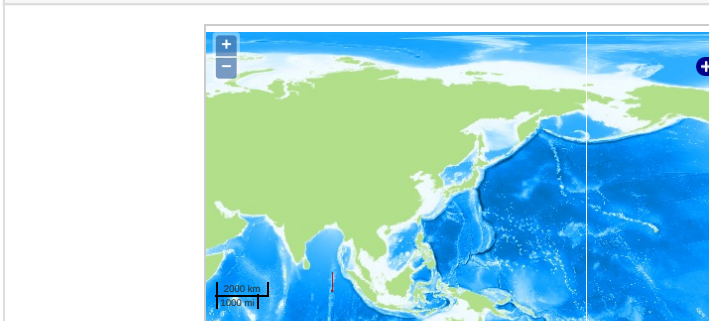
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Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

### Observation Map



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

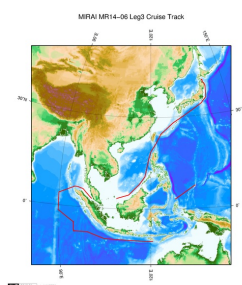
### Data List

[Add to Basket](#)

#### File names

☐ MR1406\_HV.csv

### Related Information



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Dive ID:

