

MIRAI MR16-06 Mass concentration of atmospheric aerosol particles

Last Modified: 2018-11-30

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Cruise ID: [MR16-06](#)

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 analysis.

Cruise Report

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:

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

Instrument Information:

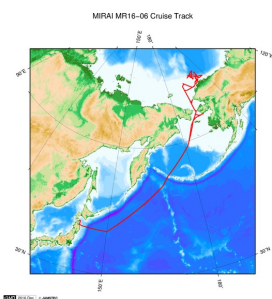
Aerosol particles were collected on the filter using the pump(500L/min). To avoid collecting particles emitted from the funnel of the own vessel, the sampling period was controlled automatically by using a "wind-direction selection system"



Data Format

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

Related Information



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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

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HAKUHO MARU

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

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Cruise ID: **MR16-06**

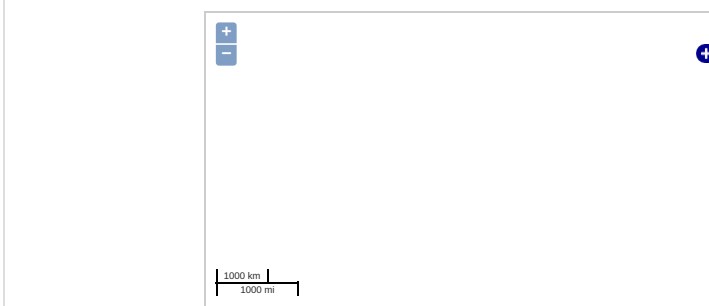
Mass concentration of atmospheric aerosol particles: Processed (PI)

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Observation Items:

Science Keywords:

Observation Map



Imagery reproduced from ...

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

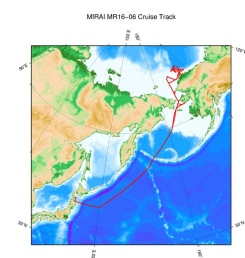
Data List

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File names

☐ MR1606_HV.csv

Related Information



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