

MIRAI MR14-06 Leg3 Black carbon number concentration

Last Modified: 2018-01-23

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

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

Black carbon number concentration: Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

Data Information

Black carbon measurements were continuously conducted during the cruise using a laser-induced-incandescence BC analyzer (SP2, Droplet Measurement Technologies) located in the Research Information Center, to which ambient air was drawn through ~3-m-long conductive silicon tube. Sampling air was dried by a diffusion dryer placed in front of SP2 to avoid the condensation of water inside the tubing and instrument.

Cruise Report

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:

Laser induced incandescence BC analyzer (SP2, Droplet Measurement Technologies)

Instrument Information:

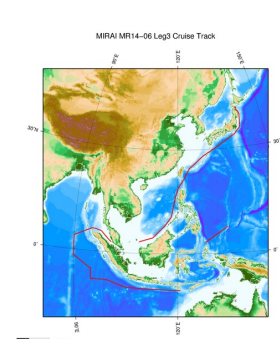
Realtime measurement of single BC-containing particle using a laser induced incandescence technique.



Data Format

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

Related Information



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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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Cruise ID: **MR14-06 Leg3**

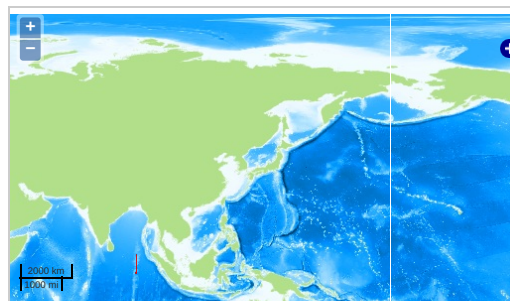
Black carbon number concentration: Processed (PI)

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Observation Items:

Science Keywords:

Observation Map



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

Imagery reproduced from ...

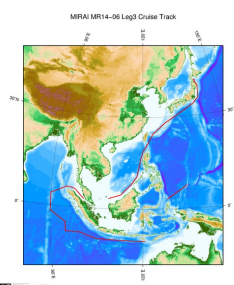
Data List

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File names

☐ MR1406_BC_Conc_12h_average.csv

Related Information



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MR14-06 Leg3

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