

MIRAI MR16-06 Absorbance of Colored Dissolved Organic Materials

Last Modified: 2018-11-30

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

Cruise ID: [MR16-06](#)

Absorbance of Colored Dissolved Organic Materials : Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

Data Information

Spectral absorbance of CDOM inside the visible range (250 - 700 nm)

Spectral absorbance of colored dissolved organic mater (CDOM) was measured using spectrophotometer (UV2400, Shimadzu) after the extraction of all particles by filtering through 0.2 μ m pore sized nuclepore filter.

Cruise Report

http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR16-06_all.pdf

For Using Data

Principal Investigator

Toru Hirawake (Hokkaido University)

Use Constraints

See [Terms and Conditions](#) about constrain of use.

Data Citation

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:

UV2400 (Shimadzu)

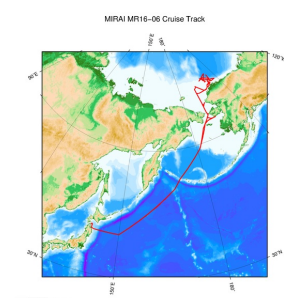
Instrument Information:



Data Format

The data sampled at each station and each depth is formatted to a ASCII file. Measured wavelengths (nm) and absorbance were recorded to a file. The information of filtration and measurement is written in 'CDOM_fieldnote.xlsx'.

Related Information



[Enlarge Image](#)

MR16-06

Ship Name: MIRAI

Period: 2016-08-22 - 2016-10-05

Chief Scientist: Shigeto Nishino (JAMSTEC)

Project Name: [Arctic Ocean Climate System Reaserch]

Proposal ▶ Predictability study on weather and sea-ice forecasts linked with user engagement

Title:

Update History

| Date | Description |
|------------|------------------------------------|
| 2018-11-30 | An observation data was registerd. |

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[SHINKAI 6500](#)
[DEEP TOW](#)
[HYPER-DOLPHIN](#)
[URASHIMA](#)
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Go to a Cruise Information

Cruise ID:

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Dive ID:



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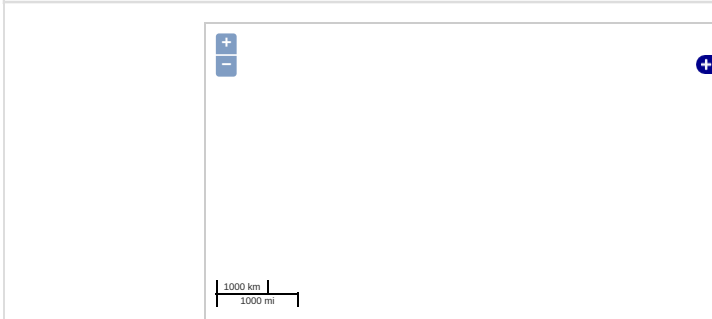
Absorbance of Colored Dissolved Organic Materials: Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

Observation Map



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

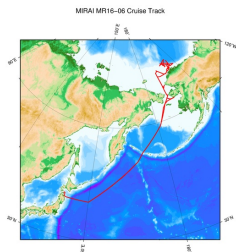
Imagery reproduced from ...

Data List

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| <input type="checkbox"/> 001_038Y.ASC |
| <input type="checkbox"/> 004_000Y.ASC |
| <input type="checkbox"/> 004_030Y.ASC |
| <input type="checkbox"/> 007_000Y.ASC |
| <input type="checkbox"/> 007_007Y.ASC |
| <input type="checkbox"/> 010_000Y.ASC |
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| <input type="checkbox"/> REF0920.ASC |
| <input type="checkbox"/> REF0922.ASC |
| <input type="checkbox"/> REF0924Y.ASC |

Related Information



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KM-ROV

POWER GRAB SAMPLER

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BMS

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Dive ID:

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