

## MIRAI MR16-06 multi-spectral excitation/emission fluorescence

Last Modified: 2018-11-30

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

Cruise ID: [MR16-06](#)

multi-spectral excitation/emission fluorescence: Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

### Data Information

multi-spectral excitation/emission fluorescence of underway surface seawater was measured using Multi-Exciter fluorometer (JFE Advantech). Fluorescence data was taken every 15 min for 20 sec, and 20 sec averaged data was

### Cruise Report

[http://www.godac.jamstec.go.jp/catalog/data/doc\\_catalog/media/MR16-06\\_all.pdf](http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR16-06_all.pdf)

### For Using Data

#### Principal Investigator

Amane Fujiwara (JAMSTEC)

#### Use Constraints

none

#### Data Citation

Nishino, S., 2016, R/V Mirai Cruise Report MR16-06, 236pp., JAMSTEC, Yokosuka, Japan.

Upon consultation in advance with the chief of investigation and the person(s) in charge of research issues who gathered that data, we request that the text of the results material contain a statement to the effect that it was obtained during the R/V Mirai cruise of MR16-06, the Chief Scientist, Shigeto Nishino (JAMSTEC), and the following Principal Investigators (PIs) for gathering the data.

Chief Scientist

Shigeto Nishino

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PI

Amane Fujiwara (JAMSTEC)

Please also 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:

Multi-Exciter (JFE Advantech)

S/N:0035

Instrument Information:

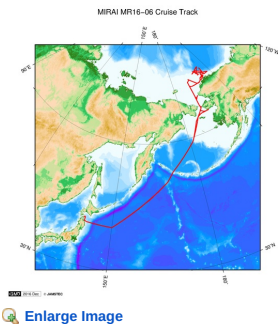
Multi-Exciter is a multi-excitation fluorometer for automatic algal class detection. It is equipped with a chlorophyll fluorescence probe with 9-wavelength excitation LEDs to measure fluorescent spectra, a turbidity meter and a temperature and a depth sensor.



### Data Format

microsoft excel format

### Related Information



#### 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

2018-11-30

An observation data was registerd.

#### JAMSTEC

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Application for Data and

Samples

Data Policy

#### What's New

Update History

Feeds

#### Lists

Publication List

Amount of Public Info.

#### Data

Map Search

Data Tree

Detailed Search

#### Information of the Ships

NATSUSHIMA

KAIYO

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)

POWER GRAB SAMPLER

(CLOW)

BMS

#### Go to a Cruise Information

Cruise ID:

Go

#### Go to a Dive Information

Dive ID:

Go



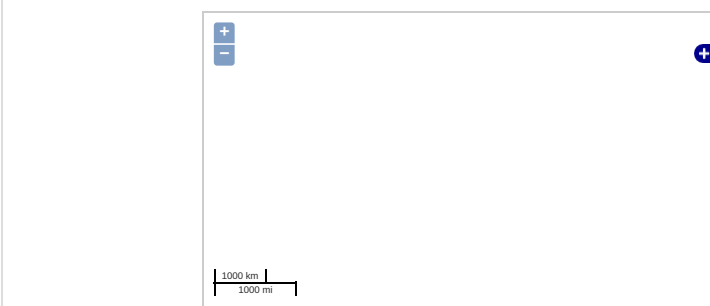
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### Observation Map



Imagery reproduced from ...

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

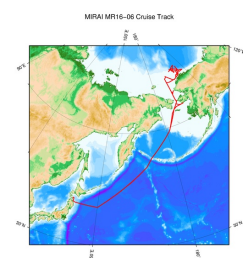
### Data List

[Add to Basket](#)

#### File names

MFL\_surface\_data.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 Research]  
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