

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

Vertical distribution of spectral excitation/emission fluorescence was measured using Multi-Exciter fluorometer (JFE Advantech), which attached to the CTD frame. Fluorescence data was taken with 1 Hz resolution. Sampled location is listed in fieldnote.

Cruise Report

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

Japan Agency for Marine - Earth Science and Technology (JAMSTEC)

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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:0040

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

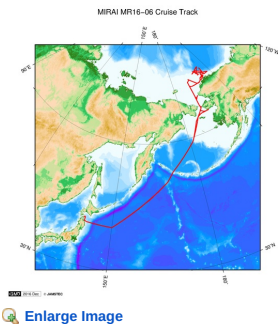
microsoft excel format

Line 3-39: header

Line 40-: measured data

data unit and details are described in attached fieldnote (data information sheet)

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.
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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:

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JAPAN AGENCY FOR MARINE-EARTH SCIENCE AND TECHNOLOGY

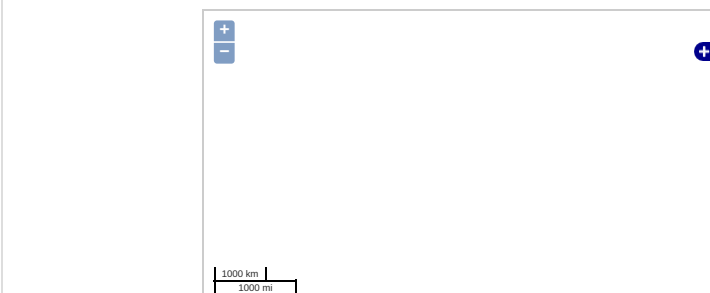
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Observation Map



Imagery reproduced from ...

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

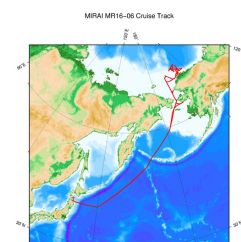
Data List

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File names

MFL_vertical_fieldnote.xls
st001_MFL50W-USB_0040_002704_A.csv
st004_MFL50W-USB_0040_205433_A.csv
st007_MFL50W-USB_0040_173022_A.csv
st010_MFL50W-USB_0040_171846_A.csv
st016_MFL50W-USB_0040_174813_A.csv
st021_MFL50W-USB_0040_232054_A.csv
st029_MFL50W-USB_0040_004802_A.csv
st042_MFL50W-USB_0040_192510_A.csv
st052_MFL50W-USB_0040_211248_A.csv
st053_MFL50W-USB_0040_192924_A.csv
st058_MFL50W-USB_0040_195511_A.csv
st067_MFL50W-USB_0040_211640_A.csv
st072_MFL50W-USB_0040_215211_A.csv
st077_MFL50W-USB_0040_200331_A.csv
st093_MFL50W-USB_0040_164833_A.csv
st094_MFL50W-USB_0040_215420_A.csv
st099_MFL50W-USB_0040_172738_A.csv

Related Information



[Enlarge Image](#)

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