

## MIRAI MR12-E03 in-water spectral radiation

Last Modified: 2015-09-30

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

Cruise ID: [MR12-E03](#)

in-water spectral radiation: Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

### Data Information

Vertical profiles of up-welling radiance and down-welling irradiance, and above surface down-welling irradiance.

### Cruise Report

[http://www.godac.jamstec.go.jp/catalog/data/doc\\_catalog/media/MR12-E03\\_all.pdf](http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR12-E03_all.pdf)

### For Using Data

#### Principal Investigator

Toru Hirawake (Faculty of Fisheries Sciences, Hokkaido University)

#### Use Constraints

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

#### Data Citation

Kikuchi, T., 2012, R/V Mirai Cruise Report MR12-E03, edited by T. Kikuchi and S. Nishino, 190pp., 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 MR12-E03, the Chief Scientist, Takashi Kikuchi (JAMSTEC), and the following Principal Investigators (PIs) for gathering the data.

#### Chief Scientist

Takashi Kikuchi

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

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Tel: +81-46-867-9486, Fax: +81-46-867-9437

E-mail: takashik@jamstec.go.jp

#### PI

Toru Hirawake (Hokkaido University)

Amane Fujiwara (JAMSTEC)

And also the data were obtained under the GRENE (Green Network of Excellence) Arctic Climate Change Research Project of the Ministry of Education, Culture, Sports, Science and Technology in Japan (MEXT).

### Instrument

Instrument:

spectroradiometer PRR800/810

(Biospherical Instrument)

Instrument Information:

PRR-800 measures vertical profiles of

up-welling radiance and down-welling

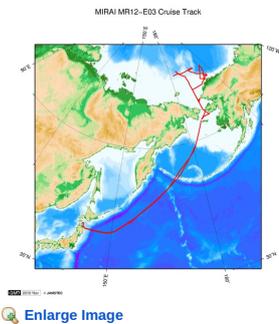
irradiance inside the visible range



### Data Format

The data sampled at each station are formatted to ASCII files (CSV). See 'PRR800/810fieldnote.xlsx' to refer the data information when obtained. Data specification is also shown in 'PRR800/810data\_spec.xlsx'.

### Related Information



**MR12-E03**

Ship Name: MIRAI  
 Period: 2012-09-03 - 2012-10-17  
 Chief Scientist: Takashi Kikuchi (JAMSTEC)  
 Project Name: [Arctic Ocean Climate System Research]  
 Proposal ▶ Ecosystem studies on the Arctic Ocean declining sea ice  
 Title:

**Update History**

2015-09-30	An observation data was registered.
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- Amount of Public Info.
- Data
- Map Search
- Data Tree
- Detailed Search

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- 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 to a Dive Information**

Dive ID:

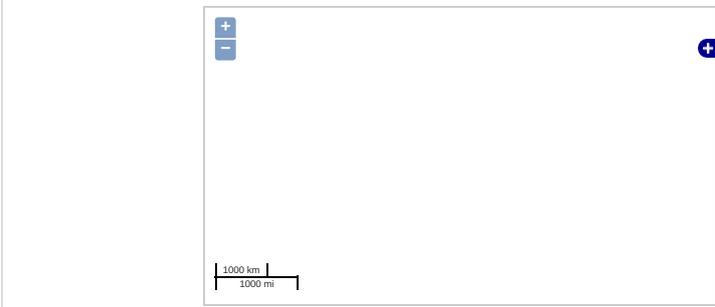
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Science Keywords:

Observation Map



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

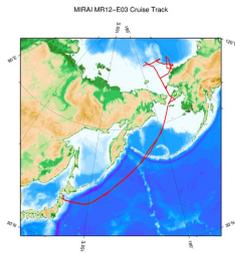
Imagery reproduced from ...

Data List

[Add to Basket](#)

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<input type="checkbox"/>	data_spec.xlsx

Related Information



[Enlarge Image](#)

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