

## MIRAI MR12-E03 Fv/Fm measured with PAM

Last Modified: 2015-09-30

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

Cruise ID: [MR12-E03](#)

Fv/Fm measured with PAM: Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

### Data Information

Fluorescence-based maximum quantum yield for PSII measured with Water-PAM (Pulse Amplitude Modulated fluorometer). Mean value of 3-4 measurements was calculated.

### 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

See Data Citation

#### 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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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:

Water-PAM (WALZ)

Instrument Information:

Fluorometer measuring fluorescent parameters related photosynthesis of algae in water.

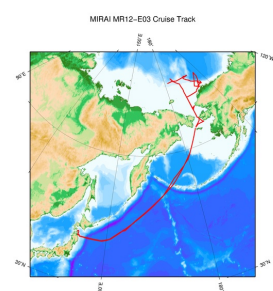
'[http://www.walz.com/products/chl\\_p700/water-pam/introduction.html](http://www.walz.com/products/chl_p700/water-pam/introduction.html)'



### Data Format

Excel format

### Related Information



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#### [MR12-E03](#)

Ship Name: MIRAI

Period: 2012-09-03 - 2012-10-17

Chief Scientist: Takashi Kikuchi (JAMSTEC)

Project Name: [Arctic Ocean Climate System Reaserch]

Proposal ▶ Ecosystem studies on the Arctic Ocean declining sea ice

Title:

Update History	
2015-09-30	An observation data was registerd.

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[SHINSEI MARU](#)  
[HAKUHO MARU](#)

**Information of the Submersibles**  
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[SHINKAI 6500](#)  
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[URASHIMA](#)  
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[KM-ROV](#)  
[POWER GRAB SAMPLER \(SHELL\)](#)  
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 Dive ID:

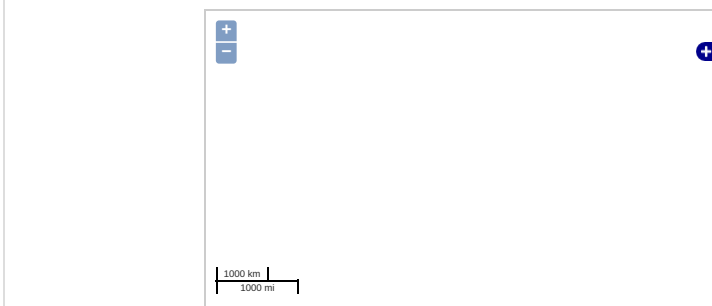
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### Observation Map



Imagery reproduced from ...

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

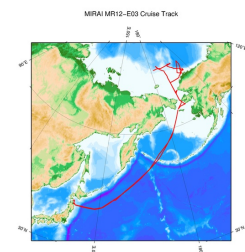
### Data List

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#### File names

PAM\_Fv-Fm\_MR12-E03.xlsx

### Related Information



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#### 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:

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#### Go to a Dive Information

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