

MIRAI MR10-05 Leg2 PAR (Photosynthetically available radiation)

Last Modified: 2014-03-06

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

Cruise ID: [MR10-05 Leg2](#)

PAR (Photosynthetically available radiation): Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

Data Information

PAR (Photosynthetic Available Radiation) data obtained from the compass deck continuously.

The data was calibrated when the data was recorded in the data logger. After uploading the data from the logger, the data was converted to Excel files and the local ship time was calculated from the data with GMT records.

Cruise Report

http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR10-05_leg1-2_all.pdf

For Using Data

Principal Investigator

Shigeto Nishino (JAMSTEC)

Use Constraints

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

Data Citation

Itoh, M. (2010), R/V Mirai Cruise Report MR10-05, www.godac.jamstec.go.jp/cruisedata/mirai/e/index.html, 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 MR10-05, the Chief Scientist, Motoyo Itoh (JAMSTEC), and the following Principal Investigators (PI) for gathering the data.

Chief Scientist

Motoyo Itoh

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E-mail: motoyo@jamstec.go.jp

PI for PAR measurements

Shigeto Nishino (JAMSTEC)

Instrument

Instrument:

Sensor: LI-190SB (LI-COR) quantum

sensor, Data logger: LI-1400 (LI-COR)

Instrument Information:

<http://www.licor.com/env/products/light/terrestrial.html>

<http://www.licor.com/env/products/light/datalogger.html>

<http://www.licor.com/env/pdf/light/TechNote126.pdf>



Data Format

File name: MR1005_LI1400data.xlsx

Date(GMT): Date with GMT

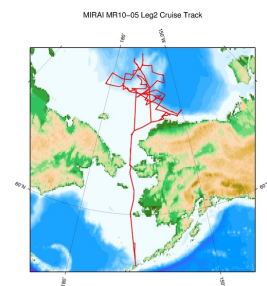
Time(GMT): Time with GMT

DateTime(GMT): Date and time with GMT

DateTime(LT): Date and time with local ship time

PAR: Photosynthetic Available Radiation (micro mol photons m⁻² s⁻¹)

Related Information



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[MR10-05 Leg2](#)

Ship Name: MIRAI

Period: 2010-09-02 - 2010-10-16

Chief Scientist: Motoyo Ito (JAMSTEC)

Project Name: [Arctic Ocean Climate System Reaserch]

Proposal ▶ Arctic Climate Oceanography

Title:

Update History	
2014-03-06	An observation data was registerd.
2013-02-25	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)
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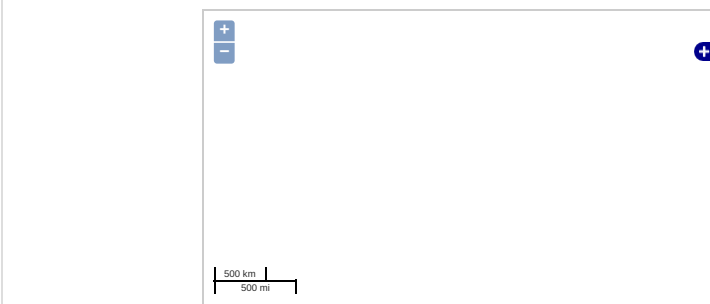
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Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

Observation Map



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

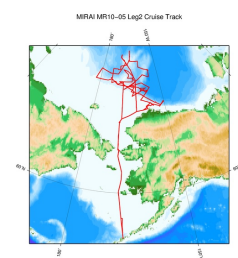
Data List

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File names

☐ MR1005_L11400data.xlsx

Related Information



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MR10-05 Leg2

Ship Name: MIRAI

Period: 2010-09-02 - 2010-10-16

Chief Scientist: Motoyo Ito (JAMSTEC)

Project Name: [Arctic Ocean Climate System Research]

Proposal ▶ Arctic Climate Oceanography

Title:

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