

MIRAI MR14-02 Sea-surface Photosynthetically Active Radiation (PAR)

Last Modified: 2017-11-09

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

Cruise ID: [MR14-02](#)

Sea-surface Photosynthetically Active Radiation (PAR) : Raw

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

OCEANS > OCEAN OPTICS > PHOTOSYNTHETICALLY ACTIVE RADIATION

Cruise Report

http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR14-02_all.pdf

For Using Data

Principal Investigator

Data Management Office

Use Constraints

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

Data Citation

See [Terms and Conditions](#) about data citation.

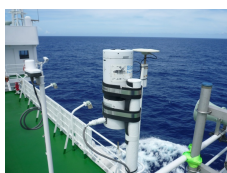
Period (UTC)

2014-02-15 08:00 – 2014-03-23 00:00

Instrument

Instrument:

Surface Photosynthetically available radiation (PAR) (~MR15-E01)



Overview

Photosynthetically available radiation (PAR) in the air was acquired by the radiometer PUV-510B, which was set up on the deck of the anti-rolling system .

Specifications

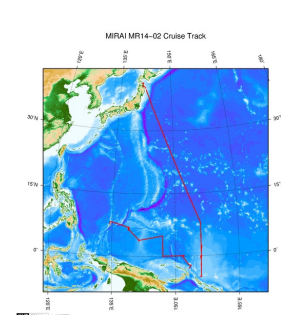
| | |
|-------------------------|--|
| Manufacturer: | Biospherical Instruments Inc. |
| Type: | PUV-510B |
| Logging rate: | 6 [second] |
| Location: | Starboard side of the deck on the anti-rolling system (18m from the sea surface) |
| Measurement wavelength: | 400 - 700 [nm] (PAR) |

Note

File naming rule for PAR_YYYYMMDD.txt.

| | |
|--------|-----------------------------|
| PAR_ : | Fixed as 'PAR_' |
| YYYY : | Recording start Year (UTC) |
| MM : | Recording start month (UTC) |
| DD : | Recording start day (UTC) |

Related Information



 [Enlarge Image](#)

MR14-02

Ship Name: MIRAI
Period: 2014-02-15 - 2014-03-23
Chief Scientist: Takuya Hasegawa (JAMSTEC)
Project Name: [Tropical Ocean Climate Study (TOCS)]
Proposal ▶ Tropical Ocean Climate Study
Title:

Update History

| | |
|------------|------------------------------------|
| 2017-11-09 | An observation data was registerd. |
| 2015-03-31 | An observation data was registerd. |

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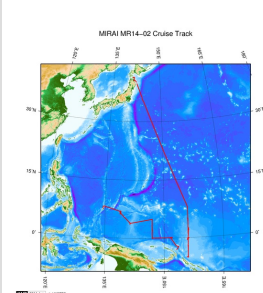
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Sea-surface PAR

Comma Separated Value

| Column No. | Content | Remarks |
|------------|---------|---|
| 1 | DATE | Year, Month Day [YYYYMMDD] |
| 2 | TIME | Hour, Minute, Second [hhmmss] |
| 3 | PAR | PAR (Variable length, Floating-point, Exponential Form) [microEinsteins/cm^2/sec] |

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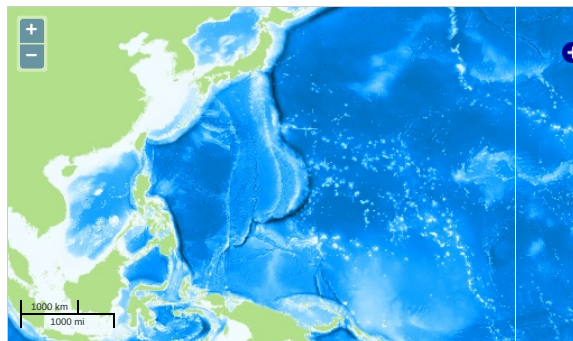
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Observation Items:

Science Keywords:

OCEANS > OCEAN OPTICS > PHOTOSYNTHETICALLY ACTIVE RADIATION

Observation Map



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

Imagery reproduced from ...

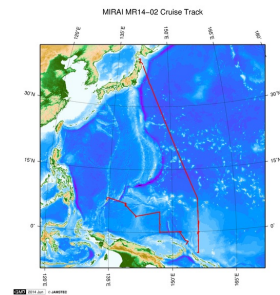
Data List

[Add to Basket](#)

☐ File names

| | |
|--------------------------|------------------|
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| <input type="checkbox"/> | PAR_20140217.txt |
| <input type="checkbox"/> | PAR_20140218.txt |
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| <input type="checkbox"/> | PAR_20140321.txt |
| <input type="checkbox"/> | PAR_20140322.txt |

Related Information



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