

MIRAI MR18-04 Leg1 Sea-surface Photosynthetically Active Radiation (PAR)

Last Modified: 2019-05-15

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

Cruise ID: [MR18-04 Leg1](#)

Sea-surface Photosynthetically Active Radiation (PAR) : Raw

Data Policy: [JAMSTEC](#)

Observation Items: PAR

Science Keywords:

OCEANS > OCEAN OPTICS > PHOTOSYNTHETICALLY ACTIVE RADIATION

Cruise Report

http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR18-04_leg1_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)

2018-07-19 04:40 – 2018-08-09 15:05

Instrument

Instrument:

Surface Photosynthetically available radiation (PAR) (MR15-01~)



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. In addition, Ultraviolet irradiance (4 wavelengths) are also collected since May 2015 (after MR15-01 cruise).

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)

[PAR]

Measurement wavelength:	400 - 700 [nm]
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[Ultraviolet irradiance]

Measurement wavelength:	305, 320, 340, 380 [nm]
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Note

File naming rule for PAR_YYYYMMDD.txt.

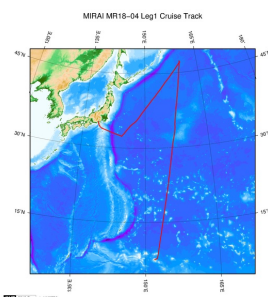
PAR_ : Fixed as 'PAR_'

YYYY : Recording start Year (UTC)

MM : Recording start month (UTC)

DD : Recording start day (UTC)

Related Information



 [Enlarge Image](#)

MR18-04 Leg1

Ship Name: MIRAI

Period: 2018-07-19 - 2018-08-09

Chief Scientist: Tetsuichi Fujiki (JAMSTEC)

Project Name: [Station K2, Station KEO]

Proposal The observational study to construct and to extend the "western Pacific super site network"

Title:

Update History

2019-05-15	An observation data was registerd.
2019-01-31	An observation data was registerd.

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6K Sonar DEEP TOW
KM-ROV
POWER GRAB SAMPLER (SHELL)
POWER GRAB SAMPLER (CLOW)
BMS

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Dive ID:

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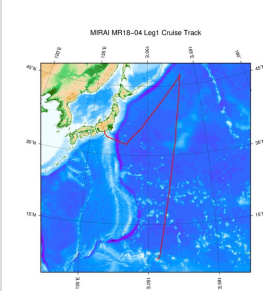
Data Policy: [JAMSTEC](#)

Sea-surface PAR (MR15-01-)

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]
4	UV(305nm)	Ultraviolet Irradiance;305nm (Variable length, Floating-point, Exponential Form) [microW/cm^2/nm]
5	UV(320nm)	Ultraviolet Irradiance;320nm (Variable length, Floating-point, Exponential Form) [microW/cm^2/nm]
6	UV(340nm)	Ultraviolet Irradiance;340nm (Variable length, Floating-point, Exponential Form) [microW/cm^2/nm]
7	UV(380nm)	Ultraviolet Irradiance;380nm (Variable length, Floating-point, Exponential Form) [microW/cm^2/nm]

Related Information



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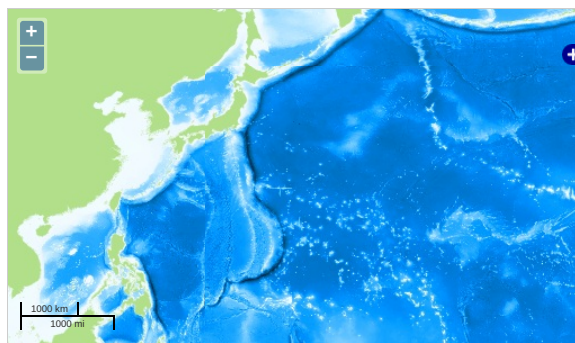
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Observation Map



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

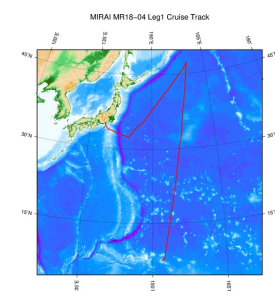
Data List

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File names

- ☐ PAR_20180719.txt
- ☐ PAR_20180720.txt
- ☐ PAR_20180721.txt
- ☐ PAR_20180722.txt
- ☐ PAR_20180723.txt
- ☐ PAR_20180724.txt
- ☐ PAR_20180725.txt
- ☐ PAR_20180726.txt
- ☐ PAR_20180727.txt
- ☐ PAR_20180728.txt
- ☐ PAR_20180729.txt
- ☐ PAR_20180730.txt
- ☐ PAR_20180731.txt
- ☐ PAR_20180801.txt
- ☐ PAR_20180802.txt
- ☐ PAR_20180803.txt
- ☐ PAR_20180804.txt
- ☐ PAR_20180805.txt
- ☐ PAR_20180806.txt
- ☐ PAR_20180807.txt
- ☐ PAR_20180808.txt
- ☐ PAR_20180809.txt

Related Information



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