

MIRAI MR16-09 Leg3 Sea-surface Photosynthetically Active Radiation (PAR)

Last Modified: 2017-11-09

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

Cruise ID: [MR16-09 Leg3](#)

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/MR16-09_leg1-4_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)

2017-02-10 21:00 – 2017-03-03 07:00

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]

[Ultraviolet irradiance]

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

Note

File naming rule for PAR_YYYYMMDD.txt.

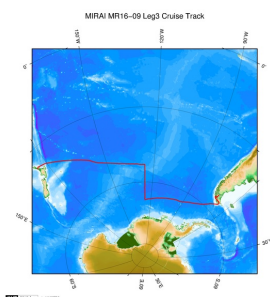
PAR_ : Fixed as 'PAR_'

YYYY : Recording start Year (UTC)

MM : Recording start month (UTC)

DD : Recording start day (UTC)

Related Information



[Enlarge Image](#)

MR16-09 Leg3

Ship Name: MIRAI

Period: 2017-02-08 - 2017-03-04

Chief Scientist: Hiroshi Uchida (JAMSTEC)

Project Name: [POST-WOCE Hydrography]

Proposal Title: Ship-borne measurements of aerosols in the marine atmosphere: Investigation of potential influence of marine aerosol particles on the climate;

Update History

2017-11-09	An observation data was registered.
2017-09-29	An observation data was registered.

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KM-ROV
POWER GRAB SAMPLER (SHELL)
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Sea-surface Photosynthetically Active Radiation (PAR) Raw

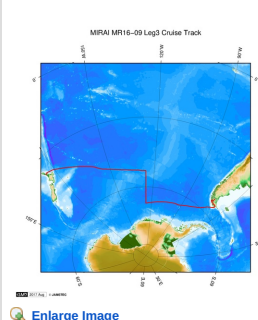
Data Policy: [JAMSTEC](#)

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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Observation Map



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

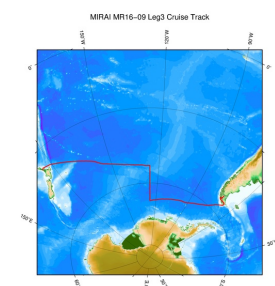
Data List

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File names

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<input type="checkbox"/>	PAR_20170302.txt
<input type="checkbox"/>	PAR_20170303.txt

Related Information



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