

MIRAI MR17-04 Leg2 Sea-surface Photosynthetically Active Radiation (PAR)

Last Modified: 2017-12-29

ReadMe Observation Data Data Format

Cruise ID: [MR17-04 Leg2](#)

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/MR17-04_leg1-2_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)

2017-08-05 18:50 – 2017-08-21 19:40

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_'

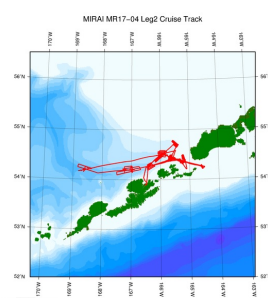
YYYY : Recording start Year (UTC)

MM : Recording start month (UTC)

DD : Recording start day (UTC)

Related Information

Cruise Data Dive Data



Enlarge Image

MR17-04 Leg2

Ship Name: MIRAI

Period: 2017-08-05 - 2017-08-21

Chief Scientist: Yoshihiro Fujiwara (JAMSTEC)

Proposal ▶ Collaborative experiment on Biogeochemical and Ecosystem Studies for sub-Arctic sea

Title:

Update History

2017-12-29 An observation data was registered.

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YOKOSUKA
MIRAI
KAIREI
CHIKYU
KAIMEI
SHINSEI MARU
HAKUHO MARU

Information of the Submersibles
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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)
BMS

Go to a Cruise Information

Cruise ID:

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Dive ID:

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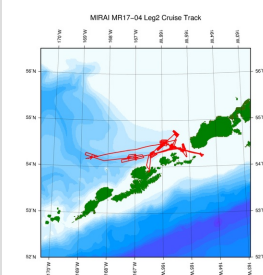
Sea-surface PAR (MR15-01-)

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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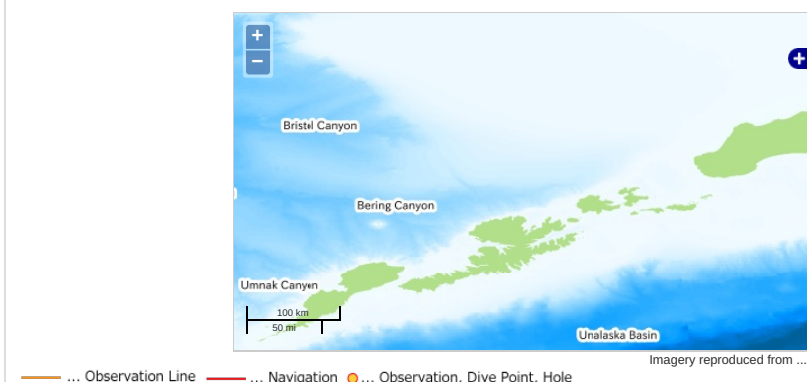
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Observation Map



Data List

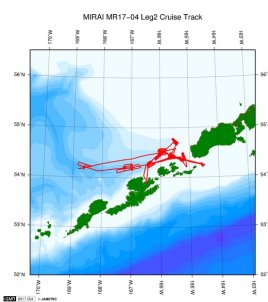
[Add to Basket](#)

File names

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<input type="checkbox"/>	PAR_20170810.txt
<input type="checkbox"/>	PAR_20170811.txt
<input type="checkbox"/>	PAR_20170812.txt
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<input type="checkbox"/>	PAR_20170815.txt
<input type="checkbox"/>	PAR_20170816.txt
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<input type="checkbox"/>	PAR_20170819.txt
<input type="checkbox"/>	PAR_20170820.txt
<input type="checkbox"/>	PAR_20170821.txt

Related Information

☒ Cruise Data ☐ Dive Data



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