

## KAIMEI KM18-05C Sea-surface Photosynthetically Active Radiation (PAR)

Last Modified: 2018-08-31

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

Cruise ID: [KM18-05C](#)

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/KM18-05C\\_all.pdf](http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/KM18-05C_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)

2018-05-29 00:00 – 2018-06-17 23:30

### Instrument

Instrument:

Surface Photosynthetically available radiation (PAR)



### Overview

Photosynthetically available radiation (PAR) and ultraviolet irradiance (6 wavelength) in the air were acquired by the radiometer PUV-2510, which was set up on foremast.

### Specifications

Manufacturer: Biospherical Instruments Inc.  
Type: PUV-2510  
Logging rate: 1 [second]  
Location: Foremast (22m from the sea surface)

[PAR]

Measurement wavelength: 400 - 700 [nm]

[Ultraviolet irradiane]

Measurement wavelength: 305, 313, 320, 340, 380, 395 [nm]

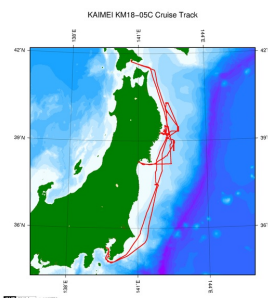
### Note

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



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#### [KM18-05C](#)

Ship Name: KAIMEI

Period: 2018-05-29 - 2018-06-17

Chief Scientist: Shinji Tsuchida (JAMSTEC)

Project Name: [Tohoku Ecosystem-Associated Marine Sciences (TEAMS)]

Proposal Researches on marine ecosystem dynamics in the Tsunami affected area off Sanriku

Title:

Update History	
2018-08-31	An observation data was registerd.

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MIRAI

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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)

BMS

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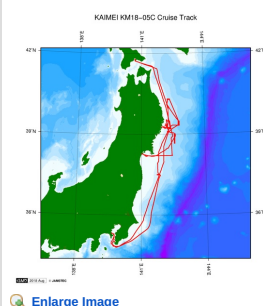
### Sea-surface PAR(KAIMEI)

Comma Separated Value

Column No.	Content	Remarks
1	DATE	Year, Month Day [YYYYMMDD]
2	TIME	Hour, Minute, Second [hhmmss]
3	LATITUDE	Latitude [dd-mm.mmmmmN(S)]
4	LONGITUDE	Longitude [ddd-mm.mmmmmE(W)]
5	PAR	PAR ( Variable length, Floating-point, Exponential Form) [microEinsteins/cm <sup>2</sup> /sec]
6	UV(305nm)	Ultraviolet Irradiance;305nm (Variable length, Floating-point, Exponential Form) [microW/cm <sup>2</sup> /nm]
5	UV(313nm)	Ultraviolet Irradiance;313nm (Variable length, Floating-point, Exponential Form) [microW/cm <sup>2</sup> /nm]
6	UV(320nm)	Ultraviolet Irradiance;320nm (Variable length, Floating-point, Exponential Form) [microW/cm <sup>2</sup> /nm]
7	UV(340nm)	Ultraviolet Irradiance;340nm (Variable length, Floating-point, Exponential Form) [microW/cm <sup>2</sup> /nm]
8	UV(380nm)	Ultraviolet Irradiance;380nm (Variable length, Floating-point, Exponential Form) [microW/cm <sup>2</sup> /nm]
9	UV(395nm)	Ultraviolet Irradiance;395nm (Variable length, Floating-point, Exponential Form) [microW/cm <sup>2</sup> /nm]

### Related Information

[Cruise Data](#) [Dive Data](#)



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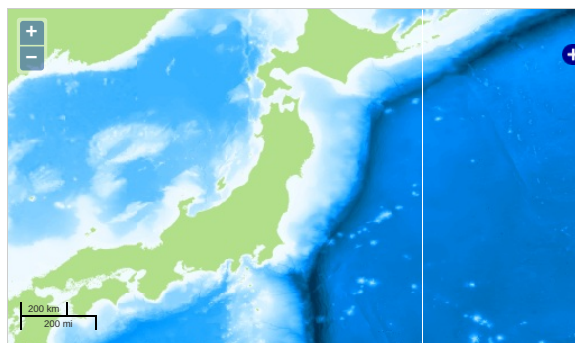
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### Observation Map



Imagery reproduced from ...

### Data List

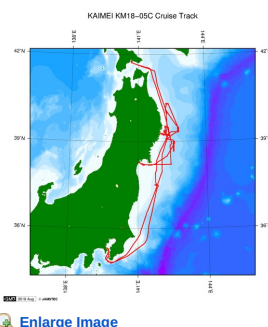
[Add to Basket](#)

#### File names

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<input type="checkbox"/>	PAR_20180531.txt
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<input type="checkbox"/>	PAR_20180608.txt
<input type="checkbox"/>	PAR_20180609.txt
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<input type="checkbox"/>	PAR_20180615.txt
<input type="checkbox"/>	PAR_20180616.txt
<input type="checkbox"/>	PAR_20180617.txt

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