

KAIMEI KM17-06C Sea-surface Photosynthetically Active Radiation (PAR)

Last Modified: 2017-12-29

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Cruise ID: [KM17-06C](#)

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/KM17-06C_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)

2017-06-22 00:00 – 2017-07-10 06:30

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]
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[Ultraviolet irradiane]

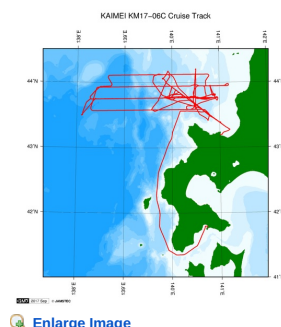
Measurement wavelength:	305, 313, 320, 340, 380, 395 [nm]
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Note

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](#)

[KM17-06C](#)

Ship Name: KAIMEI

Period: 2017-06-22 - 2017-07-10

Chief Scientist: Tetsuo No (JAMSTEC)

Proposal Integrated Research Project on Seismic and Tsunami Hazards Around the Sea of Japan

Title:

Update History	
2017-12-29	An observation data was registerd.

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KAIREI
CHIKYU
KAIMEI
SHINSEI MARU
HAKUHO MARU

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DEEP TOW
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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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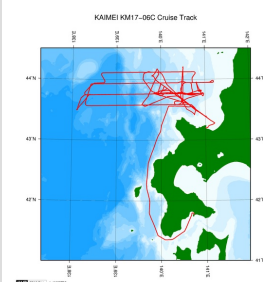
Data Policy: [JAMSTEC](#)

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 ² /sec]
6	UV(305nm)	Ultraviolet Irradiance;305nm (Variable length, Floating-point, Exponential Form) [microW/cm ² /nm]
5	UV(313nm)	Ultraviolet Irradiance;313nm (Variable length, Floating-point, Exponential Form) [microW/cm ² /nm]
6	UV(320nm)	Ultraviolet Irradiance;320nm (Variable length, Floating-point, Exponential Form) [microW/cm ² /nm]
7	UV(340nm)	Ultraviolet Irradiance;340nm (Variable length, Floating-point, Exponential Form) [microW/cm ² /nm]
8	UV(380nm)	Ultraviolet Irradiance;380nm (Variable length, Floating-point, Exponential Form) [microW/cm ² /nm]
9	UV(395nm)	Ultraviolet Irradiance;395nm (Variable length, Floating-point, Exponential Form) [microW/cm ² /nm]

Related Information



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KM17-06C

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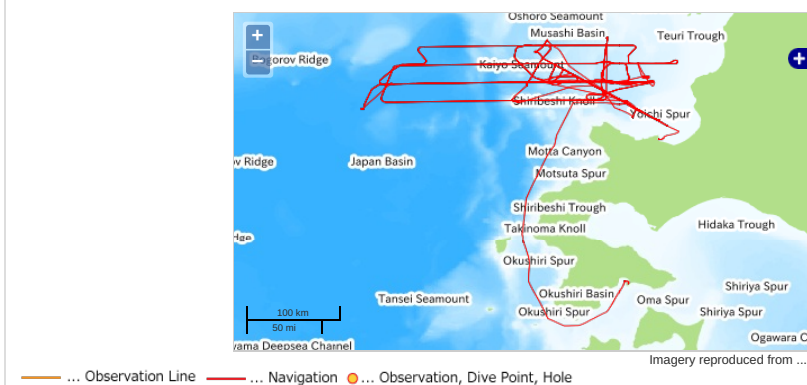
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Observation Map



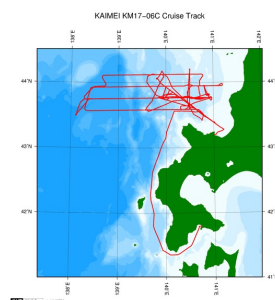
Data List

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File names

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<input type="checkbox"/>	PAR_20170709.txt
<input type="checkbox"/>	PAR_20170710.txt

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