

KAIMEI KM16-09 Sea-surface Photosynthetically Active Radiation (PAR)

Last Modified: 2018-10-25

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Cruise ID: [KM16-09](#)

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/KM16-09_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)

2016-10-17 00:00 – 2016-10-25 00:00

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]

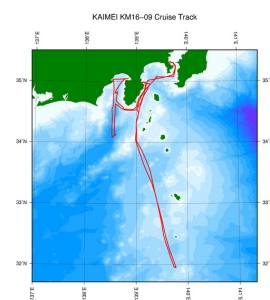
Note

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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[KM16-09](#)

Ship Name: KAIMEI

Period: 2016-10-17 - 2016-10-25

Chief Scientist: Fujio Yamamoto (JAMSTEC)

Update History	
2018-10-25	An observation data was registerd.

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CHIKYU
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SHINSEI MARU
HAKUHO MARU

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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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Cruise ID:

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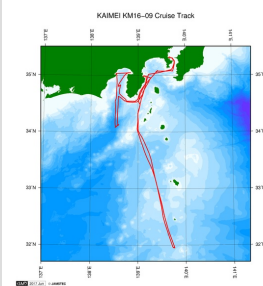
Sea-surface PAR(KAIMEI)

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 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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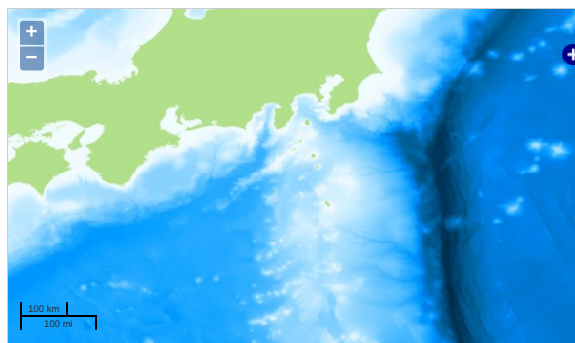
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Observation Map



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

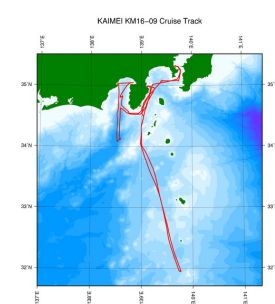
Data List

File names

☐ PAR_20161017.txt
☐ PAR_20161018.txt
☐ PAR_20161019.txt
☐ PAR_20161020.txt
☐ PAR_20161021.txt
☐ PAR_20161022.txt
☐ PAR_20161023.txt
☐ PAR_20161024.txt

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