

KAIMEI KM17-03 Sea-surface Photosynthetically Active Radiation (PAR)

Last Modified: 2017-11-17

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Cruise ID: [KM17-03](#)

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/KM17-03_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)

2017-04-29 00:00 – 2017-05-04 04:15

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 irradiance]

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

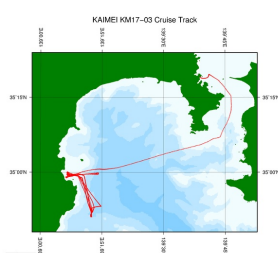
Note

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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Chief Scientist: Fujio Yamamoto (JAMSTEC)

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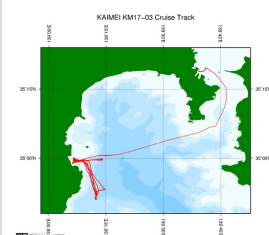
Sea-surface PAR(KAIMEI)

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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Observation Map



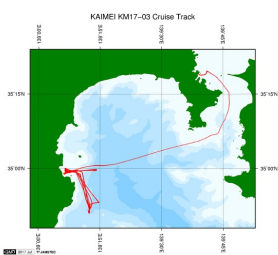
Data List

File names

☐ PAR_20170429.txt
☐ PAR_20170430.txt
☐ PAR_20170501.txt
☐ PAR_20170502.txt
☐ PAR_20170503.txt
☐ PAR_20170504.txt

Related Information

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