

For Using Data

Data Policy	JAMSTEC
Principal Investigator	Data Management Office
Use Constraints	See Terms and Conditions about constrain of use.
Data Citation	See Terms and Conditions about data citation.

Quality

Raw

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.

Measurement System

Manufacturer :	Biospherical Instruments Inc.
Type :	PUV-2510
Logging rate :	1 [second]
Location :	Foremast (22 m from the sea surface)
[PAR]	
Measurement wavelength :	400 - 700 [nm]
[Ultraviolet irradiance]	
Measurement wavelength :	305, 313, 320, 340, 380, 395 [nm]

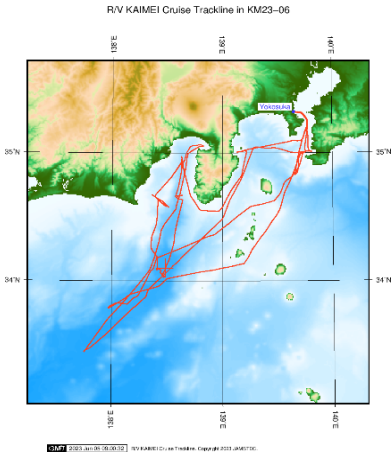
Note

1) File naming rule for PAR_YYYYMMDD.txt.

PAR_ :	Fixed as 'PAR_'
YYYY :	Recording start Year (UTC)
MM :	Recording start Year (UTC)
DD :	Recording start day (UTC)

2) During the following period, data acquisition was suspended due to anchoring in port.
2023/05/12 00:00 - 2023/05/16 00:00

Related Information



KM23-06

Ship Name:	KAIMEI
Period:	2023/05/10 - 2023/05/23
Chief Scientist:	Kyoma Takahashi (JAMSTEC)
Proposal:	R/V Kaimei & KM-ROV & Jinbei Engineering cruise

Format Description for Sea-surface PAR (KAIMEI)

Comma Separated Value

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