

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

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)



KAIMEI

2024/08/23 - 2024/09/07

Tatsuo Nozaki (JAMSTEC)

BMS drilling Part 1 at Higashi Aogashima Knoll
Caldera hydrothermal field to unraveling the gold
enrichment mechanism at subseafloor

In-situ exposure test of the concrete material at deep seafloor

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]