

## 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]

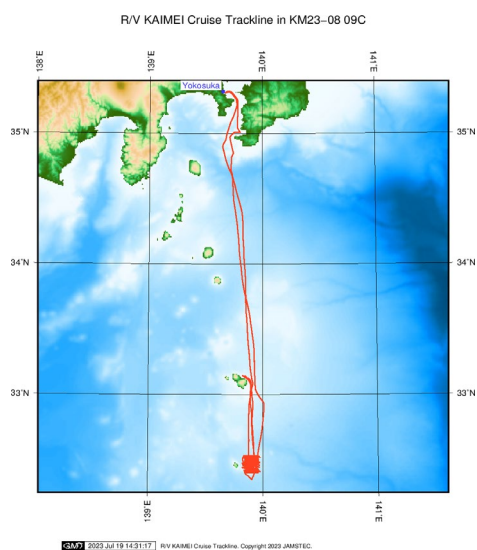
## Note

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)

## Related Information

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### KM23-08\_09C

Ship Name: KAIMEI  
Period: 2023/06/26 - 2023/07/07  
Chief Scientist: Tatsuo Nozaki (JAMSTEC)  
Proposal: Geophysical survey for the future BMS drilling at the Higashi-Aogashima Knoll Caldera hydrothermal field: Part 2

Unraveling the abnormal gold enrichment mechanism at the Higashi-Aogashima Knoll Caldera hydrothermal field: ROV dive survey part 3

## 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]