

For Using Data

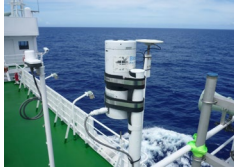
Data Policy	JAMSTEC
Principal Investigator	Data Management Office
Use Constraints	See Terms and Conditions about constrain of use.
Data Citation	See Terms and Conditions about data citation.

Quality

Raw

Instrument

Surface photosynthetically available radiation (MR15-01 -)



Overview

Photosynthetically available radiation (PAR) in the air was acquired by the radiometer PUV-510B, which was set up on the deck of the anti-rolling system. In addition, Ultraviolet irradiance (4 wavelengths) are also collected since May 2015 (after MR15-01 cruise).

Measurement System

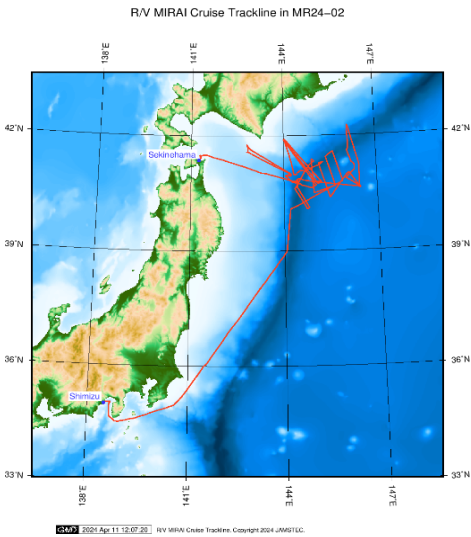
Manufacturer :	Biospherical Instruments Inc.
Type :	PUV-510B
Logging rate :	6 [second]
Location :	Starboard side of the deck on the anti-rolling system (18 m from the sea surface)
[PAR]	
Measurement wavelength :	400 - 700 [nm]
[Ultraviolet irradiance]	
Measurement wavelength :	305, 320, 340, 380 [nm]

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



MR24-02

Ship Name:	MIRAI
Period:	2024/03/12 - 2024/03/27
Chief Scientist:	Toshiya Fujiwara (JAMSTEC)
Proposal:	Geological Study of Paleo-Earthquakes and Tsunamis along the Chishima Trench
	Contourite Deposition Processes in the Outer Rise of the Chishima Trench

Format Description for Sea-surface PAR (MIRAI)

Comma Separated Value

No.	Content	Remarks
1	DATE	Year, Month, Day [YYYYMMDD]
2	TIME	Hour, Minute, Second [hhmmss]
3	PAR	PAR (Variable length, Floating-point, Exponential Form) [microEinsteins/cm^2/sec]
4	UV (305nm)	Ultraviolet Irradiance; 305nm (Variable length, Floating-point, Exponential Form) [microW/cm^2/nm]
5	UV (320nm)	Ultraviolet Irradiance; 320nm (Variable length, Floating-point, Exponential Form) [microW/cm^2/nm]
6	UV (340nm)	Ultraviolet Irradiance; 340nm (Variable length, Floating-point, Exponential Form) [microW/cm^2/nm]
7	UV (380nm)	Ultraviolet Irradiance; 380nm (Variable length, Floating-point, Exponential Form) [microW/cm^2/nm]