

## MIRAI MR13-04 Sea-surface Photosynthetically Active Radiation (PAR)

Last Modified: 2017-11-09

[ReadMe](#) [Observation Data](#) [Data Format](#)

Cruise ID: [MR13-04](#)

Sea-surface Photosynthetically Active Radiation (PAR) : Raw

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

OCEANS > OCEAN OPTICS > PHOTOSYNTHETICALLY ACTIVE RADIATION

Cruise Report

[http://www.godac.jamstec.go.jp/catalog/data/doc\\_catalog/media/MR13-04\\_all.pdf](http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR13-04_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.

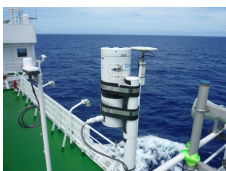
**Period (UTC)**

2013-07-09 23:50 – 2013-07-29 00:00

**Instrument**

Instrument:

Surface Photosynthetically available radiation (PAR) (~MR15-E01)



**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 .

**Specifications**

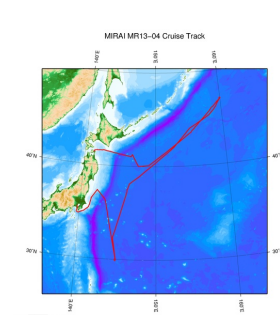
Manufacturer:	Biospherical Instruments Inc.
Type:	PUV-510B
Logging rate:	6 [second]
Location:	Starboard side of the deck on the anti-rolling system (18m from the sea surface)
Measurement wavelength:	400 - 700 [nm] (PAR)

**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



 [Enlarge Image](#)

#### MR13-04

Ship Name: MIRAI  
Period: 2013-07-09 - 2013-07-29  
Chief Scientist: Makio Honda (JAMSTEC)  
Project Name: [Station K2, Station S1, Station KEO, Station KNOT]  
Proposal ▶ Change in material cycles and ecosystem by the climate change and its feedback  
Title:

### Update History

2017-11-09	An observation data was registerd.
2015-03-31	An observation data was registerd.

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Cruise ID:

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Dive ID:

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**JAMSTEC** 国立研究開発法人  
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Sea-surface Photosynthetically Active Radiation (PAR) Raw

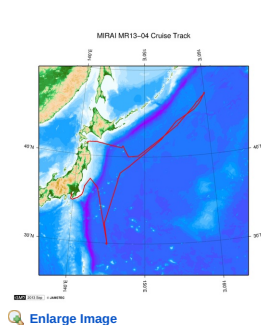
Data Policy: [JAMSTEC](#)

### Sea-surface PAR

Comma Separated Value

Column 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]

### Related Information



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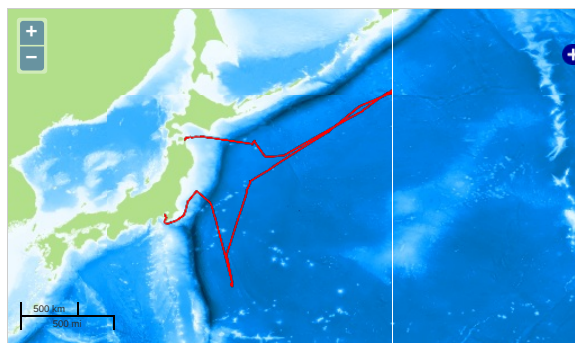
Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

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### Observation Map



... Observation Line ... Navigation ... Observation, Dive Point, Hole

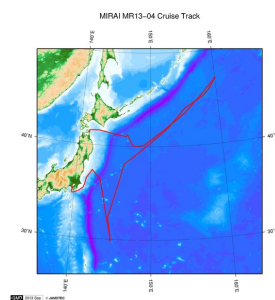
### Data List

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#### File names

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<input type="checkbox"/>	PAR_20130711.txt
<input type="checkbox"/>	PAR_20130712.txt
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<input type="checkbox"/>	PAR_20130715.txt
<input type="checkbox"/>	PAR_20130716.txt
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<input type="checkbox"/>	PAR_20130726.txt
<input type="checkbox"/>	PAR_20130727.txt
<input type="checkbox"/>	PAR_20130728.txt

### Related Information



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