

## MIRAI MR13-06 Leg1 Sea-surface Photosynthetically Active Radiation (PAR)

Last Modified: 2017-11-09

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Cruise ID: [MR13-06 Leg1](#)

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/MR13-06\\_leg1-2\\_all.pdf](http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR13-06_leg1-2_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)

2013-08-28 19:52 – 2013-10-07 15:24

### 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

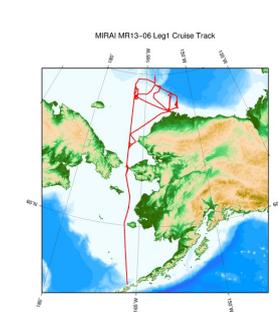
Manufacturer:	Biospherical Instruments Inc.
Type:	PUV-510B
Logging rate:	6 [second]
Location:	Starboard side of the deck on the anti-rolling system (18m from the sea surface)
Measurement wavelength:	400 - 700 [nm] (PAR)

### 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



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#### [MR13-06 Leg1](#)

Ship Name: MIRAI

Period: 2013-08-28 - 2013-10-07

Chief Scientist: Shigeto Nishino (JAMSTEC)

Project Name: [Arctic Ocean Climate System Reaserch]

Proposal ▶ Study on environmental changes in the sea-ice reduction regions of the Arctic Ocean

Title:

### Update History

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

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[POWER GRAB SAMPLER \(SHELL\)](#)  
[POWER GRAB SAMPLER \(CLOW\)](#)  
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Cruise ID:

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JAPAN AGENCY FOR MARINE-EARTH SCIENCE AND TECHNOLOGY

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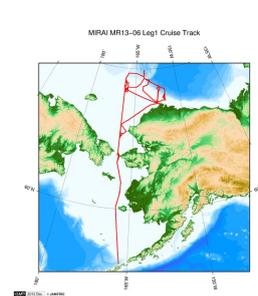
Data Policy: [JAMSTEC](#)

**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 <sup>2</sup> /sec]

**Related Information**



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<p><b>JAMSTEC</b> Site Policy Privacy Policy Application for Data and Samples Data Policy What's New Update History Feeds</p>	<p><b>Lists</b> Publication List Amount of Public Info. <b>Data</b> Map Search Data Tree Detailed Search</p>	<p><b>Information of the Ships</b> NATSUSHIMA KAIYO YOKOSUKA MIRAI KAIREI CHIKYU KAIMEI SHINSEI MARU HAKUHO MARU</p>	<p><b>Information of the Submersibles</b> KAIKO SHINKAI 2000 SHINKAI 6500 DEEP TOW HYPER-DOLPHIN URASHIMA YOKOSUKA DEEP TOW 6K Camera DEEP TOW 6K Sonar DEEP TOW KM-ROV POWER GRAB SAMPLER (SHELL) POWER GRAB SAMPLER (CLOW) BMS</p>	<p><b>Go to a Cruise Information</b> Cruise ID: <input type="text"/> <input type="button" value="Go"/></p> <p><b>Go to a Dive Information</b> Dive ID: <input type="text"/> <input type="button" value="Go"/></p>
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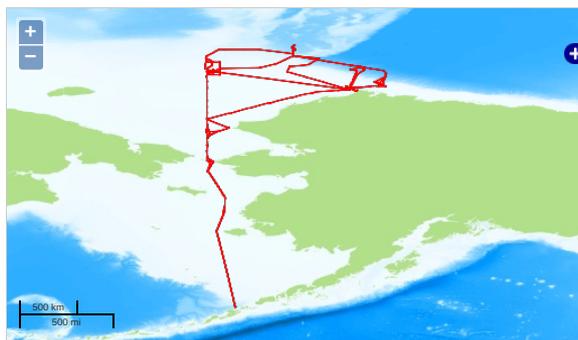
Data Policy: [JAMSTEC](#)

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#### Observation Map



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

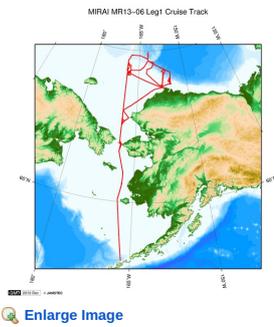
#### Data List

Add to Basket

##### File names

- PAR\_20130828.txt
- PAR\_20130829.txt
- PAR\_20130830.txt
- PAR\_20130831.txt
- PAR\_20130901.txt
- PAR\_20130902.txt
- PAR\_20130903.txt
- PAR\_20130904.txt
- PAR\_20130905.txt
- PAR\_20130906.txt
- PAR\_20130907.txt
- PAR\_20130908.txt
- PAR\_20130909.txt
- PAR\_20130910.txt
- PAR\_20130911.txt
- PAR\_20130912.txt
- PAR\_20130913.txt
- PAR\_20130914.txt
- PAR\_20130915.txt
- PAR\_20130916.txt
- PAR\_20130917.txt
- PAR\_20130918.txt
- PAR\_20130919.txt
- PAR\_20130920.txt
- PAR\_20130921.txt
- PAR\_20130922.txt
- PAR\_20130923.txt
- PAR\_20130924.txt
- PAR\_20130925.txt
- PAR\_20130926.txt
- PAR\_20130927.txt
- PAR\_20130928.txt
- PAR\_20130929.txt
- PAR\_20130930.txt
- PAR\_20131001.txt
- PAR\_20131002.txt
- PAR\_20131003.txt
- PAR\_20131004.txt
- PAR\_20131005.txt
- PAR\_20131006.txt
- PAR\_20131007.txt

#### Related Information



#### MR13-06 Leg1

Ship Name: MIRAI

Period: 2013-08-28 - 2013-10-07

Chief Scientist: Shigeto Nishino (JAMSTEC)

Project Name: [Arctic Ocean Climate System Research]

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