

MIRAI MR10-02 Aerosol optical properties

Last Modified: 2018-01-25

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

Cruise ID: [MR10-02](#)

Aerosol optical properties: Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items:

Science Keywords:

Data Information

The aerosol optical characteristics were computed using the SKYRAD.pack version 4.2 developed by Nakajima et al. (1996). We present the temporal and spatial variation and the relationship of Ångström parameters (i.e., aerosol optical thickness and Ångström exponent).

Cruise Report

http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR10-02_all.pdf

For Using Data

Principal Investigator

Kazuma Aoki (University of Toyama)
JAMSTEC / BPPT joint cruise in the Indonesian waters.

Use Constraints

If you need data and results, please contact me (Kazuma Aoki).

Data Citation

When sky radiometer data is published, include at least one of scientists in Dr. Kazuma Aoki of Univ. Toyama.

Instrument

Instrument:

Ship-borne Sky Radiometer (POM-01 MK-II)

Instrument Information:

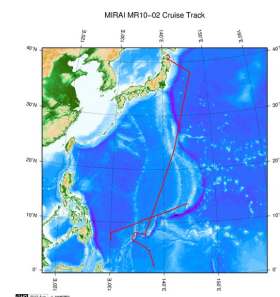
We started the monitoring of aerosols optical properties since 1994, by using a sky radiometer (<http://skyrad.sci.u-toyama.ac.jp/>). The sky radiometer is an automatic instrument that takes observations only in daytime under the clear sky. Observation of aureole interval was made every five minutes by once. There were used to measure direct solar irradiance and diffuse solar radiance.



Data Format


Y M D H Lon Lat Alpha AOT500: Year Month Day Hour Longitude Latitude Angstrom exponent Aerosol optical thickness at 0.5 μm :
Text data (tab)

Related Information



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MR10-02

Ship Name: MIRAI
Period: 2010-04-06 - 2010-05-02
Chief Scientist: Kentaro Ando (JAMSTEC)
Project Name: [Tropical Ocean Climate Study (TOCS), Station KEO]
Proposal  Tropical Ocean Climate Study/Operation of TRITON Buoy
Title:

Update History

2018-01-25	An observation data was registered.
2016-04-07	An observation data was registered.
2012-09-28	An observation data was registered.

Privacy Policy
Application for Data and
Samples
Data Policy

What's New
Update History
Feeds

Amount of Public Info.

Data
Map Search
Data Tree
Detailed Search

KAIYO
YOKOSUKA
MIRAI
KAIREI
CHIKYU
KAIMEI
SHINSEI MARU
HAKUHO MARU

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

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JAMSTEC
JAPAN AGENCY FOR MARINE-EARTH SCIENCE AND TECHNOLOGY

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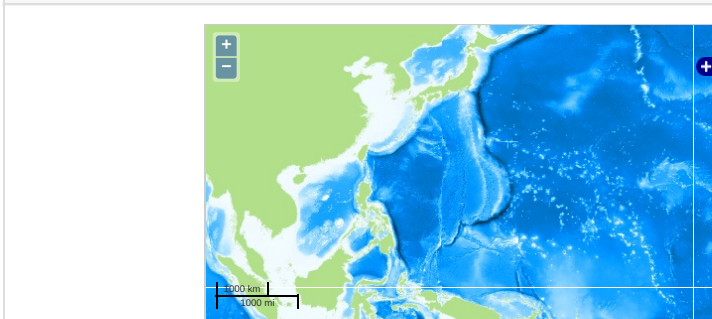
Aerosol optical properties: Processed (PI)

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Observation Items:

Science Keywords:

Observation Map



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

Imagery reproduced from ...

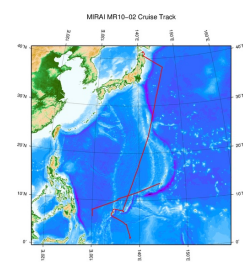
Data List

[Add to Basket](#)

File names

☐ MR10-02_skyrad.zip

Related Information



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