

MIRAI MR03-K04 Leg1 Marine Meteorology

Last Modified: 2017-04-11

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Observation
Data

Cruise ID: [MR03-K04 Leg1](#)

Marine Meteorology: Processed (PI)

Data Policy: [JAMSTEC](#)

Observation Items: Atmospheric pressure, Air temperature, Dew point temperature, Relative humidity, Sea surface temperature, Zonal and meridional wind component, Precipitation, Shortwave radiation, Longwave radiation

Science Keywords:

ATMOSPHERE	> ATMOSPHERIC PRESSURE	> SEA LEVEL PRESSURE
ATMOSPHERE	> ATMOSPHERIC RADIATION	> LONGWAVE RADIATION
ATMOSPHERE	> ATMOSPHERIC RADIATION	> SHORTWAVE RADIATION
ATMOSPHERE	> ATMOSPHERIC TEMPERATURE	> AIR TEMPERATURE
ATMOSPHERE	> ATMOSPHERIC WATER VAPOR	> DEW POINT TEMPERATURE
ATMOSPHERE	> ATMOSPHERIC WATER VAPOR	> HUMIDITY
ATMOSPHERE	> PRECIPITATION	
OCEANS	> OCEAN TEMPERATURE	> SEA SURFACE TEMPERATURE
OCEANS	> OCEAN WAVES	> SIGNIFICANT WAVE HEIGHT
OCEANS	> OCEAN WINDS	> SURFACE WINDS

Cruise Report

http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR03-K04_leg1_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.

Instrument

Instrument:

General maritime meteorological observation system



Instrument:

SOAR (Shipboard Oceanographic and Atmospheric Radiation)(- MR20-01)



About this data

Please see the [Data book](#) for details of data.

"sfcmet_Leg*.dat" contains 1-minute mean values (time stamp at the beginning of average) of surface meteorological data as ASCII format.

Parameters and their units contained are as follows;

Time in UTC expressed as YYYYMMDDHHMM, Time in Julian day (1.0000 = January 1, 0000Z), longitude (degE), latitude (degN), pressure (hPa), air temperature (degC), dew point temperature (degC), relative humidity (%), sea surface temperature (degC), zonal wind component (m/sec), meridional wind component (m/sec), precipitation (mm/hr), downward shortwave radiation (W/m2), and downward longwave radiation (W/m2).

Missing values are expressed as "9999".

Sensor types and their equipped height from the sea level are as follows.

Barometer (pressure) : Yokogawa, F-451 ... 13 m (converted to 0 m level value)

Thermometer (T, RH) : Vaisala, HMP45A ... 21 m

Thermometer (SST) : Koshin Denki, RFN1-0 ... -5 m

Anemometer (wind) : R. M. Young, 05106 ... 25 m

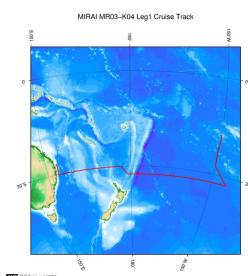
Rain gauge (rainfall) : R.M.Young, 50202 ... 24 m

Radiometer (short wave) : Eppley, PSP ... 25 m

Radiometer (long wave) : Eppley, PIR ... 25 m

For more information, please contact to : Kunio Yoneyama (yoneyamak@jamstec.go.jp)

Related Information



MR03-K04 Leg1

Ship Name: MIRAI

Period: 2003-08-03 - 2003-09-05

Chief Scientist: Masao Fukasawa (JAMSTEC)

Project Name: [Blue Earth Global Expedition 2003, POST-WOCE Hydrography]

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Update History

2017-04-11	An observation data was registerd.
2012-12-25	An observation data was registerd.

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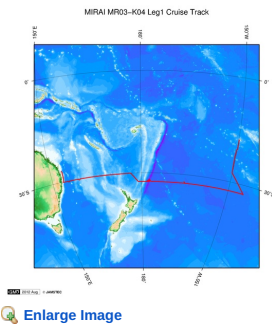
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MR03-K04 Leg1

Ship Name: MIRAI

Period: 2003-08-03 - 2003-09-05

Chief Scientist: Masao Fukasawa (JAMSTEC)

Project Name: [Blue Earth Global Expedition 2003,POST-WOCE Hydrography]

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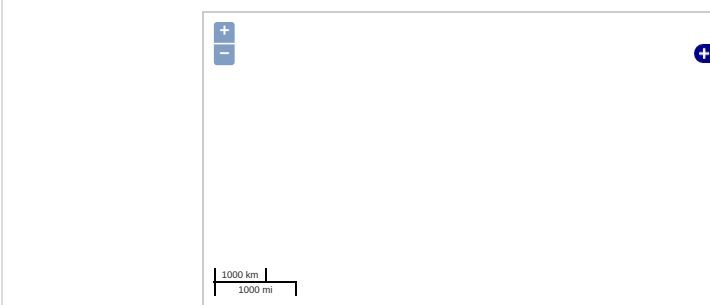
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Observation Map



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

Imagery reproduced from ...

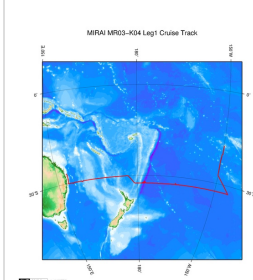
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File names

sfcmnet_leg1.dat

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