

MIRAI MR05-05 Leg3 Marine Meteorology

Last Modified: 2017-04-11

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

Cruise ID: **MR05-05 Leg3**

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/MR05-05_leg1-3_all.pdf

For Using Data

Principal Investigator

Kunio Yoneyama (JAMSTEC)

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_mr05-05leg3.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) : Setra Systems, 370 ... 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

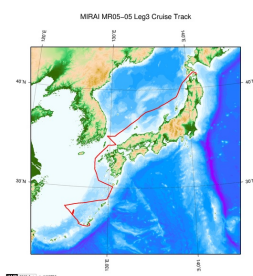
Rain gauge (rainfall) : R.M.Young, 50202 ... 24 m

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



MR05-05 Leg3

Ship Name: MIRAI

Period: 2006-01-19 - 2006-01-30

Chief Scientist: Shuichi Watanabe (JAMSTEC)

Project Name: [POST-WOCE Hydrography]

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Update History

| | |
|------------|------------------------------------|
| 2017-04-11 | An observation data was registerd. |
| 2012-12-07 | An observation data was registerd. |
| 2012-11-25 | An observation data was registerd. |

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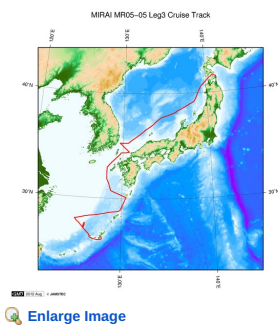
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Chief Scientist: Shuichi Watanabe (JAMSTEC)

Project Name: [POST-WOCE Hydrography]

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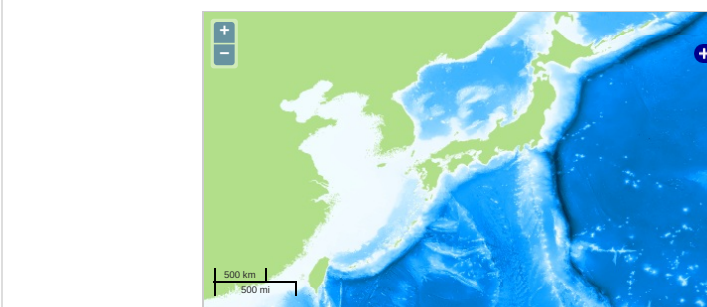
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Observation Map



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

Data List

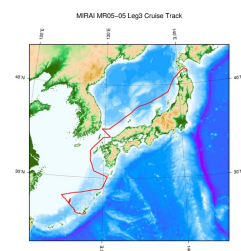
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☐ File names

☐ sfcmr05-05leg3.dat

☐ wind_mr05-05.dat

Related Information



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