

## MIRAI MR09-01 Leg2 Marine Meteorology

Last Modified: 2017-04-11

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

Cruise ID: [MR09-01 Leg2](#)

Marine Meteorology: Processed (PI)

Data Policy: [JAMSTEC](#)

**Observation Items:** Atmospheric pressure, Long wave radiation, Short wave radiation, Air temperature, Dewpoint temperature, Relative humidity, Rainfall intensity, SST, Significant Wave Height, Wind U, Wind V

**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/MR09-01\\_leg1-3\\_all.pdf](http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR09-01_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)



### Overview

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

README for Surface Meteorological Dataset

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

Each line contains the following parameters;

Time in UTC expressed as YYYYMMDDHHMM

Time in Julian day (1.0000 = January 1, 0000Z)

longitude (degE)

latitude (degN)

pressure at sea surface (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)

downward longwave radiation (W/m2)

Note that missing values are expressed as "9999.0".

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) : Sea-Bird Electronics, SBE3S ... -5 m

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

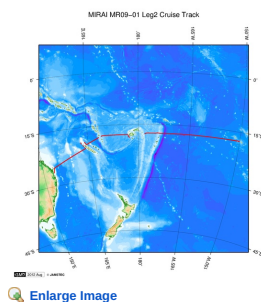
Rain gauge (rainfall) : R.M.Young, 50202 ... 24 m

Radiometer (short wave) : Eppley, PSP ... 24 m

Radiometer (long wave) : Eppley, PIR ... 24 m

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

#### Related Information



#### MR09-01 Leg2

Ship Name: MIRAI

Period: 2009-05-21 - 2009-06-19

Chief Scientist: Hiroshi Uchida (JAMSTEC)

Project Name: [POST-WOCE Hydrography, South Pacific Ocean Research Activity 2009]

#### Update History

2017-04-11	An observation data was registered.
2012-12-07	An observation data was registered.
2012-09-28	An observation data was registered.

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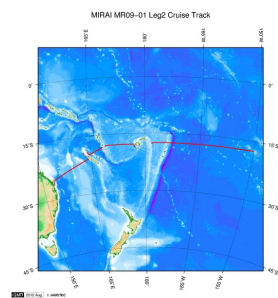
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#### Related Information



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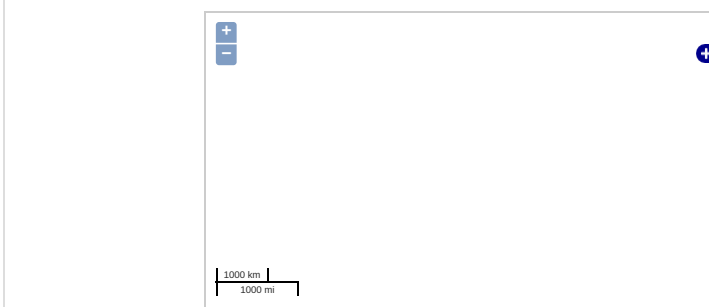
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### Observation Map



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

Imagery reproduced from ...

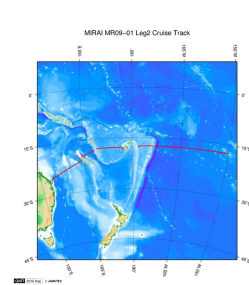
### Data List

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#### File names

sfcmet\_mr09-01leg1\_2.dat

### Related Information



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