

MIRAI MR99-K03 Radiosonde

Last Modified: 2020-02-28

ReadMe Observation Data Data Format

Cruise ID: **MR99-K03**

Radiosonde: Processed (DMO)-Corrected

Data Policy: **JAMSTEC**

Observation Items: Atmospheric pressure, Air temperature, Dew point temperature, Relative humidity, Wind speed (zonal, meridional), Height

Science Keywords:

ATMOSPHERE > ATMOSPHERIC WATER VAPOR > DEW POINT TEMPERATURE
ATMOSPHERE > ATMOSPHERIC WATER VAPOR > HUMIDITY
ATMOSPHERE > ATMOSPHERIC TEMPERATURE > TEMPERATURE PROFILES
ATMOSPHERE > ATMOSPHERIC WINDS > UPPER LEVEL WINDS
ATMOSPHERE > ATMOSPHERIC WINDS > WIND PROFILES

Cruise Report

http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR99-K03_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:

Radiosonde (- MR04-02)



Overview

Correction method

· Correction of ship body warming

Temperature and dew point temperature data near the surface (4.5 hPa from ship deck) were corrected by linear extrapolation using upper layer data, since these data were affected by ship body warming (cooling) at daytime (nighttime). Details for data processing and correction can be found in [Yoneyama et al. \(2002\)](#).

Note

Information about each radiosonde data are listed in the following table. It contains corrected sounding data, launch time, position, sensor information and calibration results for atmospheric pressure, air temperature and relative humidity. Calibration is conducted for every sensor prior to launch. Therefore, even raw data take in this calibration result. If the calibration result shows the positive value, it means that the calibrator showed the higher value than that of the sonde sensor. Filename of corrected data shows a sounding time (YYMMDDHH.***, where YY=year, MM=month, DD=day, and HH=hour) in UTC.

Data file	Launch time (UTC)		Launch station		Sensor information		Calibration result			Note
	Date	Time	Latitude	Longitude	Serial No.	Age	Atmospheric pressure [hPa]	Air temperature [deg-C]	Relative humidity [%]	
99061700.dat	1999/06/16	23:27	0.47S	166.82E	915406513	63	0.4	-0.2	-3.0	
99061703.dat	1999/06/17	02:20	0.52S	166.91E	915406402	64	0.4	0.2	3.0	
99061706.dat	1999/06/17	05:42	0.52S	166.91E	915406406	64	-0.1	-0.2	1.0	
99061709.dat	1999/06/17	08:44	0.52S	166.91E	915406413	64	0.3	0.0	0.0	
99061712.dat	1999/06/17	11:24	0.52S	166.90E	915406409	64	0.3	0.3	-1.0	
99061715.dat	1999/06/17	14:45	0.52S	166.91E	915404800	64	0.6	0.2	-1.0	
99061718.dat	1999/06/17	17:22	0.52S	166.91E	915407301	64	0.3	0.1	0.0	
99061721.dat	1999/06/17	20:10	0.52S	166.91E	915408802	64	2.5	0.0	-2.0	
99061800.dat	1999/06/17	23:20	0.52S	166.90E	915405110	64	1.0	0.3	-3.0	
99061803.dat	1999/06/18	02:22	0.52S	166.91E	915407309	65	0.1	0.4	-1.0	
99061806.dat	1999/06/18	05:36	0.52S	166.91E	915407313	65	1.1	0.0	-1.0	
99061809.dat	1999/06/18	08:39	0.52S	166.91E	915410310	65	0.6	0.3	2.0	
99061812.dat	1999/06/18	11:40	0.52S	166.91E	915404711	65	0.8	0.3	-2.0	
99061818.dat	1999/06/18	17:29	0.52S	166.90E	915404707	65	0.7	0.3	1.0	
99061900.dat	1999/06/18	23:20	0.52S	166.90E	915407302	65	0.8	0.0	0.0	
99061906.dat	1999/06/19	05:20	0.52S	166.90E	915410314	66	0.1	0.1	-1.0	
99061912.dat	1999/06/19	11:29	0.40S	166.54E	915404701	66	0.7	0.3	1.0	
99061918.dat	1999/06/19	17:27	0.11S	165.36E	915410202	66	0.3	0.2	2.0	
99062000.dat	1999/06/19	23:23	0.01S	164.99E	915410306	66	0.6	0.6	-1.0	
99062003.dat	1999/06/20	02:25	0.00N	165.02E	915407310	67	0.2	0.1	-2.0	
99062006.dat	1999/06/20	05:21	0.03N	164.99E	915407314	67	0.3	0.3	-2.0	
99062009.dat	1999/06/20	08:22	0.02N	164.99E	915407102	67	0.6	0.2	2.0	
99062012.dat	1999/06/20	11:23	0.02N	164.99E	915407106	67	0.0	0.3	1.0	
99062015.dat	1999/06/20	14:22	0.02N	164.99E	915407214	67	0.2	0.1	-2.0	

99062018.dat	1999/06/20	17:24	0.02N	164.99E	915407210	67	0.3	0.1	1.0	
99062021.dat	1999/06/20	20:20	0.00N	164.98E	915407111	67	0.2	0.1	-2.0	
99062100.dat	1999/06/20	23:20	0.00N	164.99E	915407206	67	0.8	0.3	-1.0	
99062103.dat	1999/06/21	02:21	0.00N	164.99E	915407303	68	0.4	0.5	0.0	
99062106.dat	1999/06/21	05:22	0.01N	164.99E	915407307	68	0.3	0.4	-1.0	
99062109.dat	1999/06/21	08:21	0.00N	164.99E	915407202	68	0.4	0.2	1.0	
99062112.dat	1999/06/21	11:21	0.01S	164.99E	915406900	68	0.7	0.3	0.0	
99062115.dat	1999/06/21	14:18	0.01S	164.99E	915405011	68	0.2	0.2	-1.0	
99062118.dat	1999/06/21	17:20	0.01S	165.00E	915410206	68	0.0	0.2	2.0	
99062121.dat	1999/06/21	20:21	0.01S	165.00E	915406600	68	0.1	0.2	0.0	
99062200.dat	1999/06/21	23:20	0.01S	165.00E	915406601	68	0.1	0.1	0.0	
99062203.dat	1999/06/22	02:22	0.01S	165.00E	915410214	69	0.2	0.3	2.0	
99062206.dat	1999/06/22	05:22	0.00N	164.99E	915405007	69	-0.2	0.3	2.0	
99062209.dat	1999/06/22	08:22	0.00N	164.99E	915410210	69	0.3	0.2	2.0	
99062212.dat	1999/06/22	11:24	0.00N	164.99E	915405114	69	0.4	0.2	-1.0	
99062215.dat	1999/06/22	14:24	0.00N	164.99E	915405108	69	0.6	0.0	0.0	
99062218.dat	1999/06/22	17:23	0.03N	165.01E	915405002	69	0.4	0.2	3.0	
99062221.dat	1999/06/22	20:23	0.01S	164.99E	915405800	69	0.1	0.2	-1.0	
99062300.dat	1999/06/22	23:20	0.00N	165.00E	915405804	69	0.6	0.2	-2.0	
99062303.dat	1999/06/23	02:22	0.01S	165.00E	915405708	70	0.6	0.3	1.0	
99062306.dat	1999/06/23	05:20	0.01S	164.99E	915406203	70	0.4	0.2	0.0	
99062309.dat	1999/06/23	08:21	0.00N	165.00E	915406111	70	0.6	0.2	1.0	
99062312.dat	1999/06/23	11:26	0.01S	165.00E	915406206	70	0.6	0.2	-1.0	
99062315.dat	1999/06/23	14:22	0.01S	165.00E	915405808	70	-0.7	0.3	-2.0	
99062318.dat	1999/06/23	17:25	0.01S	165.00E	915405812	70	0.4	-0.2	1.0	
99062321.dat	1999/06/23	20:20	0.02S	165.00E	915405700	70	0.7	0.2	-2.0	
99062400.dat	1999/06/23	23:23	0.01S	165.00E	915405705	70	0.4	0.3	-2.0	
99062403.dat	1999/06/24	02:22	0.02S	165.02E	915406101	71	0.7	0.1	2.0	
99062406.dat	1999/06/24	05:20	0.00N	165.00E	915406213	71	0.2	0.1	-1.0	
99062409.dat	1999/06/24	08:27	0.01S	164.99E	915405709	71	0.5	0.3	0.0	
99062412.dat	1999/06/24	11:23	0.01S	164.99E	915405809	71	0.1	0.2	-1.0	
99062415.dat	1999/06/24	14:23	0.01S	165.00E	915405813	71	0.9	0.0	-1.0	
99062418.dat	1999/06/24	17:21	0.00N	164.99E	915406105	71	0.9	0.1	4.0	
99062421.dat	1999/06/24	20:21	0.01S	165.00E	915405701	71	0.4	0.0	-2.0	
99062500.dat	1999/06/24	23:23	0.00N	165.00E	915405706	71	0.8	0.1	0.0	
99062503.dat	1999/06/25	02:21	0.01S	165.00E	915406208	72	1.3	0.2	-2.0	
99062506.dat	1999/06/25	05:22	0.01S	164.99E	915406214	72	0.2	0.0	-1.0	
99062509.dat	1999/06/25	08:20	0.01S	164.99E	915405710	72	0.5	0.1	-1.0	
99062512.dat	1999/06/25	11:22	0.01S	165.00E	915406102	72	0.8	0.2	0.0	
99062515.dat	1999/06/25	14:22	0.01S	165.00E	915406205	72	0.2	0.1	-3.0	
99062518.dat	1999/06/25	17:22	0.01S	164.99E	915406108	72	1.0	0.3	3.0	
99062521.dat	1999/06/25	20:20	0.01S	165.00E	915405707	72	0.7	0.2	-1.0	
99062600.dat	1999/06/25	23:21	0.01S	165.00E	915406112	72	-0.2	0.2	-2.0	
99062603.dat	1999/06/26	02:31	0.05S	165.00E	915405711	73	0.5	0.0	-1.0	
99062606.dat	1999/06/26	05:20	0.01S	165.00E	915405702	73	0.6	0.2	2.0	
99062609.dat	1999/06/26	08:20	0.01S	164.99E	915406100	73	0.2	0.1	2.0	
99062612.dat	1999/06/26	11:22	0.01S	165.00E	915405807	73	0.4	0.2	-1.0	
99062615.dat	1999/06/26	14:22	0.01S	165.00E	915406104	73	0.4	0.3	-2.0	
99062618.dat	1999/06/26	17:23	0.01S	164.99E	915405803	73	0.5	0.0	1.0	
99062621.dat	1999/06/26	20:21	0.01S	164.99E	915405811	73	0.5	0.1	-1.0	
99062700.dat	1999/06/26	23:20	0.01S	165.00E	915405815	73	0.7	0.2	-1.0	
99062703.dat	1999/06/27	02:20	0.01S	165.00E	915406114	74	0.8	0.1	3.0	
99062706.dat	1999/06/27	06:00	0.01S	165.00E	915405704	74	0.7	0.4	-1.0	
99062709.dat	1999/06/27	08:20	0.01S	164.99E	915406211	74	0.6	0.2	-1.0	
99062712.dat	1999/06/27	11:21	0.01S	164.99E	915407211	74	0.2	0.2	0.0	
99062715.dat	1999/06/27	14:21	0.01S	165.00E	915407207	74	1.6	0.1	-2.0	
99062718.dat	1999/06/27	17:23	0.01S	165.00E	915407203	74	0.3	0.1	5.0	
99062721.dat	1999/06/27	20:22	0.01S	165.00E	915407215	74	0.4	0.0	-2.0	
99062800.dat	1999/06/27	23:20	0.01S	164.99E	915407103	74	0.4	0.2	-1.0	
99062803.dat	1999/06/28	02:22	0.01S	165.00E	915407315	75	0.1	0.2	0.0	
99062806.dat	1999/06/28	05:20	0.01S	164.99E	915407311	75	2.0	0.2	3.0	
99062809.dat	1999/06/28	08:20	0.01S	164.99E	915407108	75	0.6	0.0	-1.0	
99062812.dat	1999/06/28	11:24	0.01S	164.99E	915407113	75	1.1	0.1	-3.0	
99062815.dat	1999/06/28	14:28	0.01S	165.00E	915406906	75	0.5	0.2	-6.0	
99062818.dat	1999/06/28	17:25	0.01S	165.00E	915406914	75	0.7	0.1	3.0	
99062821.dat	1999/06/28	20:20	0.01S	165.00E	915304315	76	0.2	0.2	-2.0	
99062900.dat	1999/06/28	23:20	0.01S	165.00E	915406903	75	0.4	0.2	-1.0	
99062903.dat	1999/06/29	02:26	0.01S	165.00E	915406910	76	0.2	0.2	3.0	
99062906.dat	1999/06/29	05:21	0.00N	164.99E	915406711	76	0.0	0.0	3.0	
99062909.dat	1999/06/29	08:20	0.01S	164.99E	915406706	76	-1.7	0.1	-1.0	
99062912.dat	1999/06/29	11:19	0.01S	164.99E	915406715	76	3.1	0.1	-3.0	
99062915.dat	1999/06/29	14:20	0.01S	165.00E	915406702	76	0.5	0.0	-4.0	
99062918.dat	1999/06/29	17:24	0.01S	164.99E	915304311	77	0.2	0.2	2.0	
99062921.dat	1999/06/29	20:21	0.01S	165.00E	915406905	76	0.3	0.0	-1.0	
99063000.dat	1999/06/29	23:20	0.01S	164.99E	915406714	76	0.2	0.1	0.0	
99063003.dat	1999/06/30	02:43	0.01S	165.00E	915406913	77	0.3	0.2	-3.0	
99063006.dat	1999/06/30	05:20	0.01S	165.00E	915406701	77	0.0	0.0	3.0	
99063009.dat	1999/06/30	08:20	0.00N	165.00E	915406902	77	0.4	0.0	1.0	
99063012.dat	1999/06/30	11:22	0.17S	165.38E	915406705	77	0.2	0.0	-1.0	
99063015.dat	1999/06/30	14:22	0.16S	165.84E	915406710	77	0.2	0.1	-3.0	
99063018.dat	1999/06/30	17:26	0.15S	166.41E	915304302	78	0.5	0.0	2.0	
99063021.dat	1999/06/30	20:20	0.18S	166.85E	915304306	78	-0.2	0.1	0.0	

99070100.dat	1999/06/30	23:20	0.18S	166.84E	915405806	77	-0.2	0.1	-1.0	
99070103.dat	1999/07/01	02:20	0.18S	166.84E	915406209	78	0.5	0.3	-1.0	
99070106.dat	1999/07/01	05:20	0.19S	166.83E	915405814	78	0.4	0.2	0.0	
99070109.dat	1999/07/01	08:50	0.19S	166.84E	915406215	78	0.8	0.1	-1.0	
99070112.dat	1999/07/01	11:23	0.19S	166.83E	915406210	78	0.8	-0.1	1.0	
99070115.dat	1999/07/01	14:19	0.19S	166.82E	915405810	78	0.7	0.2	1.0	
99070118.dat	1999/07/01	17:24	0.18S	166.85E	915406109	78	0.3	0.0	2.0	
99070121.dat	1999/07/01	20:40	0.18S	166.85E	915406904	78	0.5	0.2	-1.0	
99070200.dat	1999/07/01	23:20	0.18S	166.85E	915406103	78	0.2	0.2	-1.0	
99070203.dat	1999/07/02	02:21	0.18S	166.85E	915404406	79	0.4	0.4	-1.0	
99070206.dat	1999/07/02	05:20	0.18S	166.85E	915404408	79	0.1	0.1	4.0	
99070209.dat	1999/07/02	08:20	0.18S	166.85E	915302000	80	0.2	0.2	3.0	
99070212.dat	1999/07/02	11:20	0.18S	166.85E	915303411	80	0.8	0.2	0.0	
99070215.dat	1999/07/02	14:21	0.18S	166.85E	915302002	80	0.3	0.0	1.0	
99070218.dat	1999/07/02	18:03	0.18S	166.85E	915303415	80	0.0	0.0	0.0	
99070221.dat	1999/07/02	20:20	0.18S	166.85E	915404403	79	0.7	0.2	-1.0	
99070300.dat	1999/07/02	23:29	0.18S	166.85E	915404402	79	1.0	0.2	-1.0	
99070303.dat	1999/07/03	02:29	0.20S	166.88E	915406611	80	0.6	0.1	2.0	
99070306.dat	1999/07/03	05:30	0.20S	166.87E	915408808	80	0.3	0.2	0.0	
99070309.dat	1999/07/03	08:20	0.18S	166.85E	915408806	80	0.2	0.1	4.0	
99070312.dat	1999/07/03	11:20	0.18S	166.85E	915404614	80	0.1	0.1	-1.0	
99070315.dat	1999/07/03	14:20	0.18S	166.85E	915406609	80	-0.1	0.1	1.0	
99070318.dat	1999/07/03	17:20	0.18S	166.85E	915303214	81	0.3	0.1	2.0	
99070321.dat	1999/07/03	20:20	0.18S	166.85E	915404502	80	0.3	0.2	0.0	
99070400.dat	1999/07/03	23:21	0.18S	166.85E	915406603	80	0.3	0.0	0.0	
99070403.dat	1999/07/04	02:31	0.18S	166.85E	915303210	82	0.6	0.0	0.0	
99070406.dat	1999/07/04	05:20	0.18S	166.85E	915303205	82	0.3	0.0	0.0	
99070409.dat	1999/07/04	08:20	0.18S	166.85E	915406610	81	0.2	0.1	1.0	
99070412.dat	1999/07/04	11:24	0.18S	166.85E	915304203	82	0.2	0.3	0.0	
99070415.dat	1999/07/04	14:21	0.29N	167.09E	915406113	81	0.2	0.2	0.0	
99070418.dat	1999/07/04	17:25	0.90N	167.45E	915304205	82	0.1	0.2	3.0	
99070421.dat	1999/07/04	20:27	1.60N	167.82E	915304204	82	0.4	0.3	1.0	
99070500.dat	1999/07/04	23:21	2.26N	168.18E	915405802	81	0.5	0.2	1.0	

Reference

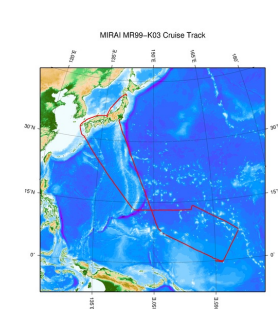
K. Yoneyama, M.Hanyu, S.Sueyoshi, F.Yoshiura, and M.Katsumata, 2002:Radiosonde observation from the ship in the tropical region. [\[PDF:400kbyte\]](#)
JAMSTECR, Vol.45, 31-39.

Others

- ・ Main processor: DigiCORA. MW11(before 2004 Jul.) [VAISALA, Finland]
- ・ Radiosonde Sensor: RS80 [VAISALA, Finland]
- ・ Launcher Location: 22m (from base line)

Note

Related Information



[Enlarge Image](#)

MR99-K03

Ship Name: MIRAI
Period: 1999-06-08 - 1999-07-19
Chief Scientist: Kunio Yoneyama (JAMSTEC)
Project Name: [MJO Research]

Update History

2020-02-28	An observation data was registerd.
2014-07-11	An observation data was registerd.
2014-06-13	An observation data was registerd.
2013-01-25	An observation data was registerd.

JAMSTEC

[Site Policy](#)
[Privacy Policy](#)
[Application for Data and Samples](#)
[Data Policy](#)

[What's New](#)
[Update History](#)
[Feeds](#)

Lists

[Publication List](#)
[Amount of Public Info.](#)

[Data](#)
[Map Search](#)
[Data Tree](#)
[Detailed Search](#)

Information of the Ships

[NATSUSHIMA](#)
[KAIYO](#)
[YOKOSUKA](#)
[MIRAI](#)
[KAIREI](#)
[CHIKYU](#)
[KAIMEI](#)
[SHINSEI MARU](#)
[HAKUHO MARU](#)

Information of the Submersibles

[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](#)

Go to a Cruise Information

Cruise ID:

Go to a Dive Information

Dive ID:





MIRAI MR99-K03 Radiosonde

Last Modified: 2020-02-28

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

Cruise ID: **MR99-K03**

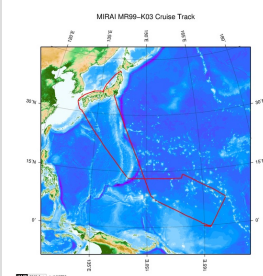
Radiosonde: Processed (DMO)-Corrected

Data Policy: [JAMSTEC](#)

Radiosonde Corrected

No.	Column	Description	Format	Unit	Remarks
1	3 - 8	Atmospheric pressure	f6.1	hPa	
2	10 - 15	Air temperature	f6.1	deg-C	'9999.0' is missing value.
3	17 - 22	Dew point temperature	f6.1	deg-C	'9999.0' is missing value.
4	24 - 27	Relative humidity	i4	%	'9999' is missing value.
5	29 - 34	Wind speed (zonal)	f6.1	m/sec	'9999.0' is missing value.
6	36 - 41	Wind speed (meridional)	f6.1	m/sec	'9999.0' is missing value.
7	44 - 48	Height (from sea level)	i5	m	'99999' is missing value.
8	49 - 50	Terminator	a2		CR+LF

Related Information



[Enlarge Image](#)

MR99-K03

Ship Name: MIRAI
Period: 1999-06-08 - 1999-07-19
Chief Scientist: Kunio Yoneyama (JAMSTEC)
Project Name: [MJO Research]

Update History

2020-02-28	An observation data was registered.
2014-07-11	An observation data was registered.
2014-06-13	An observation data was registered.
2013-01-25	An observation data was registered.

JAMSTEC

[Site Policy](#)
[Privacy Policy](#)
[Application for Data and Samples](#)
[Data Policy](#)

What's New

[Update History](#)
[Feeds](#)

Lists

[Publication List](#)
[Amount of Public Info.](#)

Data

[Map Search](#)
[Data Tree](#)
[Detailed Search](#)

Information of the Ships

[NATSUSHIMA](#)
[KAIYO](#)
[YOKOSUKA](#)
[MIRAI](#)
[KAIREI](#)
[CHIKYU](#)
[KAIMEI](#)
[SHINSEI MARU](#)
[HAKUHO MARU](#)

Information of the Submersibles

[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](#)

Go to a Cruise Information

Cruise ID:

Go to a Dive Information

Dive ID:

MIRAI MR99-K03 Radiosonde

Last Modified: 2020-02-28

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

Cruise ID: [MR99-K03](#)

Radiosonde: Processed (DMO)-Corrected

Data Policy: [JAMSTEC](#)

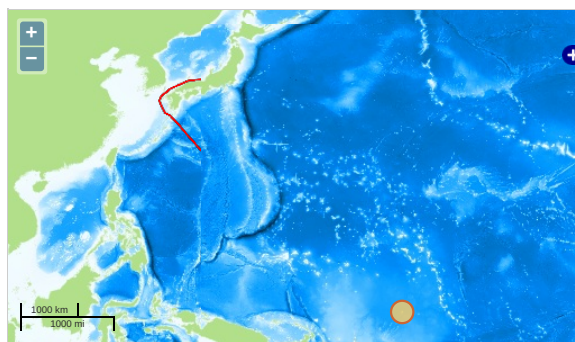
Observation Items: Atmospheric pressure, Air temperature, Dew point temperature, Relative humidity, Wind speed (zonal, meridional), Height

Science Keywords:

ATMOSPHERE > ATMOSPHERIC WATER VAPOR > DEW POINT TEMPERATURE
ATMOSPHERE > ATMOSPHERIC WATER VAPOR > HUMIDITY
ATMOSPHERE > ATMOSPHERIC TEMPERATURE > TEMPERATURE PROFILES
ATMOSPHERE > ATMOSPHERIC WINDS > UPPER LEVEL WINDS
ATMOSPHERE > ATMOSPHERIC WINDS > WIND PROFILES

Observation Map

- Clicking the icon displays a balloon with observation information.
- Then click the observation name, figures will be displayed.



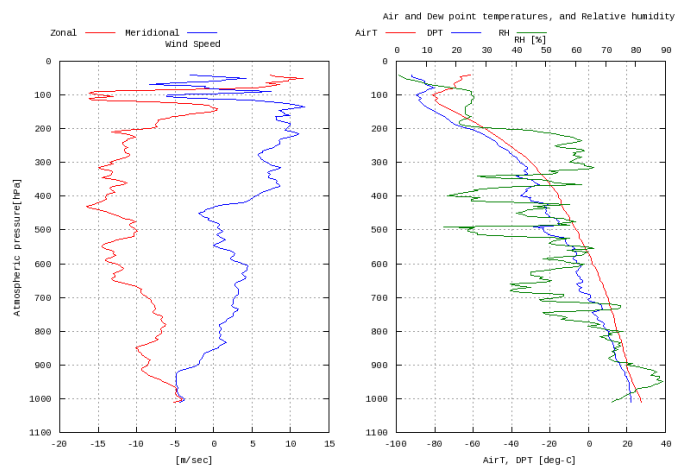
— ... Observation Line — ... Navigation ● ... Observation, Dive Point, Hole

Imagery reproduced from ...

Figures

99061700

MR99-K03: 99061700
Radiosonde



Data List

☐ File names

☐ 99061700.dat

☐ 99061703.dat

☐ 99061706.dat

☐ 99061709.dat

☐ 99061712.dat

☐ 99061715.dat

☐ 99061718.dat

☐ 99061721.dat

☐ 99061800.dat





































☐ 99061803.dat

☐ 99061806.dat

☐ 99061809.dat

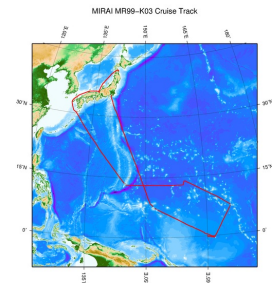
☐ 99061812.dat

☐ 99061818.dat

	59011008.dat
	99061906.dat
	99061912.dat
	99061918.dat
	99062000.dat
	99062003.dat
	99062006.dat
	99062009.dat
	99062012.dat
	99062015.dat
	99062018.dat
	99062021.dat
	99062100.dat
	99062103.dat
	99062106.dat
	99062109.dat
	99062112.dat
	99062115.dat
	99062118.dat
	99062121.dat
	99062200.dat
	99062203.dat
	99062206.dat
	99062209.dat
	99062212.dat
	99062215.dat
	99062218.dat
	99062221.dat
	99062300.dat
	99062303.dat
	99062306.dat
	99062309.dat
	99062312.dat
	99062315.dat
	99062318.dat
	99062321.dat
	99062400.dat
	99062403.dat
	99062406.dat
	99062409.dat
	99062412.dat
	99062415.dat
	99062418.dat
	99062421.dat
	99062500.dat
	99062503.dat
	99062506.dat
	99062509.dat
	99062512.dat
	99062515.dat
	99062518.dat
	99062521.dat
	99062600.dat
	99062603.dat
	99062606.dat
	99062609.dat
	99062612.dat
	99062615.dat
	99062618.dat
	99062621.dat
	99062700.dat
	99062703.dat
	99062706.dat
	99062709.dat
	99062712.dat
	99062715.dat
	99062718.dat
	99062721.dat
	99062800.dat
	99062803.dat
	99062806.dat
	99062809.dat
	99062812.dat
	99062815.dat
	99062818.dat
	99062821.dat
	99062900.dat

<input type="checkbox"/>	59062903.dat
<input type="checkbox"/>	99062906.dat
<input type="checkbox"/>	99062909.dat
<input type="checkbox"/>	99062912.dat
<input type="checkbox"/>	99062915.dat
<input type="checkbox"/>	99062918.dat
<input type="checkbox"/>	99062921.dat
<input type="checkbox"/>	99063000.dat
<input type="checkbox"/>	99063003.dat
<input type="checkbox"/>	99063006.dat
<input type="checkbox"/>	99063009.dat
<input type="checkbox"/>	99063012.dat
<input type="checkbox"/>	99063015.dat
<input type="checkbox"/>	99063018.dat
<input type="checkbox"/>	99063021.dat
<input type="checkbox"/>	99070100.dat
<input type="checkbox"/>	99070103.dat
<input type="checkbox"/>	99070106.dat
<input type="checkbox"/>	99070109.dat
<input type="checkbox"/>	99070112.dat
<input type="checkbox"/>	99070115.dat
<input type="checkbox"/>	99070118.dat
<input type="checkbox"/>	99070121.dat
<input type="checkbox"/>	99070200.dat
<input type="checkbox"/>	99070203.dat
<input type="checkbox"/>	99070206.dat
<input type="checkbox"/>	99070209.dat
<input type="checkbox"/>	99070212.dat
<input type="checkbox"/>	99070215.dat
<input type="checkbox"/>	99070218.dat
<input type="checkbox"/>	99070221.dat
<input type="checkbox"/>	99070300.dat
<input type="checkbox"/>	99070303.dat
<input type="checkbox"/>	99070306.dat
<input type="checkbox"/>	99070309.dat
<input type="checkbox"/>	99070312.dat
<input type="checkbox"/>	99070315.dat
<input type="checkbox"/>	99070318.dat
<input type="checkbox"/>	99070321.dat
<input type="checkbox"/>	99070400.dat
<input type="checkbox"/>	99070403.dat
<input type="checkbox"/>	99070406.dat
<input type="checkbox"/>	99070409.dat
<input type="checkbox"/>	99070412.dat
<input type="checkbox"/>	99070415.dat
<input type="checkbox"/>	99070418.dat
<input type="checkbox"/>	99070421.dat
<input type="checkbox"/>	99070500.dat

Related Information



[Enlarge Image](#)

MR99-K03

Ship Name: MIRAI
Period: 1999-06-08 - 1999-07-19
Chief Scientist: Kunio Yoneyama (JAMSTEC)
Project Name: [MJO Research]

Update History

2020-02-28	An observation data was registerd.
2014-07-11	An observation data was registerd.
2014-06-13	An observation data was registerd.
2013-01-25	An observation data was registerd.

JAMSTEC
Site Policy
Privacy Policy
Application for Data and Samples
Data Policy

Lists
Publication List
Amount of Public Info.

Data
Map Search

Information of the Ships
NATSUSHIMA
KAIYO
YOKOSUKA
MIRAI
KAIREI

Information of the Submersibles
KAIKO
SHINKAI 2000
SHINKAI 6500
DEEP TOW

Go to a Cruise Information

Cruise ID:

Go to a Dive Information

What's New
Update History
Feeds

Data Tree
Detailed Search

CHIKYU
KAIMEI
SHINSEI MARU
HAKUHO MARU

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

Dive ID:

Copyright 2011 Japan Agency for Marine-Earth Science and Technology



JAMSTEC 国立研究開発法人
海洋研究開発機構
JAPAN AGENCY FOR MARINE-EARTH SCIENCE AND TECHNOLOGY