

MIRAI MR06-05 Leg1 Radiosonde

Last Modified: 2014-07-11

ReadMe Observation Data Data Format

Cruise ID: **MR06-05 Leg1**

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/MR06-05_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

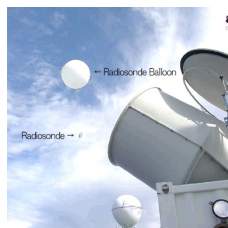
Instrument:

Radiosonde (MR11-03 - MR15-E01 Leg3)



Instrument:

Radiosonde (MR04-03 Leg1 - MR11-02)



Instrument:

Radiosonde (- MR04-02)



Overview

Correction method

- Data observed by RS80 sensors

- 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. \(2002\)](#).

- Data observed by RS92 sensors

- Correction of ship body warming

Same as above

- Correction of Dry Bias

Humidity data observed by RS92 sensors contain dry bias mainly due to solar radiation error in daytime. We have corrected the humidity data observed by RS92 sensors using [Yoneyama et al.\(2008\)](#). method. RS92 sensors have been used since MR04-03 cruise.

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 humidity1[%]	Relative humidity2[%]	
06102212.dat	2006/10/22	11:30	1.44S	80.35E	B2345450	142	0.60	-0.28	-0.69	-0.65	
06102215.dat	2006/10/22	14:30	1.00S	79.99E	B2345434	143	0.51	-0.24	-0.58	-0.56	Rain
06102218.dat	2006/10/22	17:30	0.50S	79.50E	B2345457	143	0.61	-0.15	-0.45	-0.54	Rain
06102221.dat	2006/10/22	20:30	0.13N	79.50E	B2345436	143	0.80	-0.20	-0.48	-0.52	
06102300.dat	2006/10/22	23:30	0.75N	79.65E	B2345447	143	1.29	-0.25	-0.29	-0.27	
06102303.dat	2006/10/23	02:30	1.25N	80.05E	B2345435	143	0.82	-0.30	-0.47	-0.49	
06102306.dat	2006/10/23	05:30	1.56N	80.45E	B2345439	143	0.94	-0.23	-0.39	-0.36	
06102309.dat	2006/10/23	08:30	2.01N	80.21E	B2345431	143	0.87	-0.38	-0.75	-0.65	
06102315.dat	2006/10/23	14:30	2.66N	79.66E	B2345427	144	0.86	-0.27	-0.44	-0.44	
06102318.dat	2006/10/23	17:30	2.10N	79.92E	B2345428	144	0.84	-0.31	-0.57	-0.54	
06102321.dat	2006/10/23	20:30	1.56N	80.16E	B2345442	144	0.81	-0.28	-0.47	-0.46	
06102400.dat	2006/10/23	23:30	1.47N	80.58E	B2345426	144	0.58	-0.30	-0.56	-0.59	

	Launch time (UTC)	Launch date	Launch time	Latitude	Longitude	Sensor information	Altitude	Calibration	Result	
06102403.dat	2006/10/24 02:30	2006/10/24 05:30	1.50N	80.39E	B2345448	144	0.63	-0.32	-0.56	
06102409.dat	2006/10/24 05:30	2006/10/24 08:30	1.50N	80.39E	B2345448	144	0.61	-0.30	-0.29	Note
06102409.dat	2006/10/24 05:30	2006/10/24 08:30	1.50N	80.39E	B2345448	144	0.61	-0.30	-0.29	
06102412.dat	2006/10/24 11:30	2006/10/24 14:30	1.08N	80.10E	B2244390	152	0.65	-0.28	-0.56	
06102415.dat	2006/10/24 14:30	2006/10/24 17:30	0.54N	79.58E	B2345455	145	0.71	-0.25	-0.27	
06102418.dat	2006/10/24 17:30	2006/10/24 20:30	0.00N	79.15E	B2345456	145	0.72	-0.23	-0.24	Rain
06102421.dat	2006/10/24 20:30	2006/10/24 23:30	0.00N	79.03E	B2244391	152	0.68	-0.25	-0.18	
06102500.dat	2006/10/24 23:30	2006/10/25 02:30	0.05N	79.02E	B2345453	145	0.44	-0.19	-0.42	
06102503.dat	2006/10/25 02:30	2006/10/25 05:30	0.05N	78.98E	B2345445	145	0.66	-0.25	-0.34	
06102506.dat	2006/10/25 05:30	2006/10/25 08:30	0.03N	79.03E	B2345451	145	0.60	-0.28	-0.46	
06102509.dat	2006/10/25 08:30	2006/10/25 11:30	0.02N	78.89E	B2345452	145	0.99	-0.29	-0.31	
06102512.dat	2006/10/25 11:30	2006/10/25 14:30	0.04N	78.94E	B2345425	146	0.63	-0.32	-0.38	
06102515.dat	2006/10/25 14:30	2006/10/25 17:30	0.15S	79.14E	B2345443	146	0.64	-0.36	-0.41	
06102518.dat	2006/10/25 17:30	2006/10/25 20:30	0.68S	79.50E	B2345446	146	0.53	-0.18	-0.45	
06102521.dat	2006/10/25 20:30	2006/10/25 23:30	1.11S	79.88E	B2324380	148	0.64	-0.20	-0.28	Rain
06102600.dat	2006/10/25 23:30	2006/10/26 02:30	1.50S	80.29E	B2324378	148	0.61	-0.22	-0.37	Rain
06102603.dat	2006/10/26 02:30	2006/10/26 05:30	1.49S	80.33E	B2324379	148	0.54	-0.20	-0.34	Rain
06102606.dat	2006/10/26 05:30	2006/10/26 08:30	1.49S	80.34E	B3214011	86	0.48	-0.17	-0.27	Rain
06102609.dat	2006/10/26 08:30	2006/10/26 11:30	1.50S	80.53E	B3334921	77	0.33	-0.19	-0.36	
06102612.dat	2006/10/26 11:30	2006/10/26 14:30	1.66S	80.71E	B3620060	58	0.20	-0.22	-0.33	
06102615.dat	2006/10/26 14:30	2006/10/26 17:30	1.07S	81.03E	B3344958	77	0.35	-0.26	-0.44	Rain
06102618.dat	2006/10/26 17:30	2006/10/26 20:30	0.48S	81.45E	B3551098	62	0.53	-0.26	-0.23	Rain
06102621.dat	2006/10/26 20:30	2006/10/26 23:30	0.00N	81.91E	B3550168	62	0.59	-0.29	-0.18	
06102700.dat	2006/10/26 23:30	2006/10/27 02:30	0.01S	81.99E	B3611631	59	-0.10	-0.19	-0.33	
06102703.dat	2006/10/27 02:30	2006/10/27 05:30	0.01S	81.86E	B3611623	59	0.57	-0.22	-0.30	
06102706.dat	2006/10/27 05:30	2006/10/27 08:30	0.01S	81.90E	B2825462	114	0.19	-0.18	-0.40	
06102709.dat	2006/10/27 08:30	2006/10/27 11:30	0.01S	81.89E	B3551102	62	0.63	-0.24	-0.19	
06102712.dat	2006/10/27 11:30	2006/10/27 14:30	0.00N	82.06E	B3551105	62	0.39	-0.32	-0.17	
06102715.dat	2006/10/27 14:30	2006/10/27 17:30	0.01N	81.68E	B3551103	63	0.07	-0.31	-0.14	
06102718.dat	2006/10/27 17:30	2006/10/27 20:30	0.00N	81.23E	B3620048	59	0.40	-0.33	-0.34	Rain
06102721.dat	2006/10/27 20:30	2006/10/27 23:30	0.00N	80.83E	B3620055	59	0.34	-0.25	-0.30	Rain
06102800.dat	2006/10/27 23:30	2006/10/28 02:30	0.00N	80.50E	B3511230	67	0.36	-0.17	-0.29	
06102803.dat	2006/10/28 02:30	2006/10/28 05:30	0.00N	80.50E	B3531688	65	0.66	-0.21	-0.30	
06102806.dat	2006/10/28 05:30	2006/10/28 08:30	0.01N	80.51E	B3344944	78	0.34	-0.29	-0.46	
06102809.dat	2006/10/28 08:30	2006/10/28 11:30	0.01N	80.51E	B3620665	59	0.30	-0.19	-0.32	
06102812.dat	2006/10/28 11:30	2006/10/28 14:30	0.02S	80.49E	B3620651	60	0.31	-0.24	-0.16	
06102815.dat	2006/10/28 14:30	2006/10/28 17:30	0.01S	80.48E	B3640943	58	0.49	-0.14	-0.42	
06102818.dat	2006/10/28 17:30	2006/10/28 20:30	0.00N	80.49E	B3620057	60	0.24	-0.18	-0.34	
06102821.dat	2006/10/28 20:30	2006/10/28 23:30	0.00N	80.49E	B3620657	60	0.33	-0.04	-0.28	
06102900.dat	2006/10/28 23:30	2006/10/29 02:30	0.01S	80.47E	B3620658	60	0.33	0.12	-0.38	
06102903.dat	2006/10/29 02:30	2006/10/29 05:30	0.03S	80.47E	B3214014	89	0.57	-0.16	-0.30	
06102906.dat	2006/10/29 05:30	2006/10/29 08:30	0.00N	80.48E	B3540428	65	0.65	-0.11	-0.25	
06102909.dat	2006/10/29 08:30	2006/10/29 11:30	0.01N	80.49E	B3551118	64	0.54	-0.30	-0.20	
06102912.dat	2006/10/29 11:30	2006/10/29 14:30	0.01N	80.49E	B3511241	68	0.20	-0.19	-0.44	
06102915.dat	2006/10/29 14:30	2006/10/29 17:30	0.01N	80.48E	B3611620	62	-0.24	-0.21	-0.35	
06102918.dat	2006/10/29 17:30	2006/10/29 20:30	0.00N	80.48E	B2824771	117	0.32	-0.10	-0.12	
06102921.dat	2006/10/29 20:30	2006/10/29 23:30	0.01S	80.48E	B3620058	61	0.46	-0.17	-0.35	
06103000.dat	2006/10/29 23:30	2006/10/30 02:30	0.00N	80.48E	B3611630	62	0.63	-0.13	-0.45	
06103003.dat	2006/10/30 02:30	2006/10/30 05:30	0.00N	80.49E	B3620652	61	0.40	0.05	-0.32	
06103006.dat	2006/10/30 05:30	2006/10/30 08:30	0.00N	80.49E	B3611616	62	0.59	-0.24	-0.56	
06103009.dat	2006/10/30 08:30	2006/10/30 11:30	0.01S	80.48E	B3551054	65	0.62	-0.28	-0.41	
06103012.dat	2006/10/30 11:30	2006/10/30 14:30	0.02S	80.50E	B3551116	66	0.46	-0.28	-0.18	
06103015.dat	2006/10/30 14:30	2006/10/30 17:30	0.00N	80.49E	B3540769	67	0.74	-0.37	-0.30	
06103018.dat	2006/10/30 17:30	2006/10/30 20:30	0.01S	80.47E	B3540768	67	0.75	-0.23	-0.09	
06103021.dat	2006/10/30 20:30	2006/10/30 23:30	0.01S	80.48E	B3551131	66	0.71	-0.27	-0.16	
06103100.dat	2006/10/30 23:30	2006/10/31 02:30	0.02S	80.47E	B3551112	66	0.57	-0.21	-0.22	Rain
06103103.dat	2006/10/31 02:30	2006/10/31 05:30	0.01S	80.48E	B3551141	66	0.57	-0.29	-0.26	Rain
06103106.dat	2006/10/31 05:30	2006/10/31 08:30	0.01S	80.48E	B3551108	66	0.52	-0.27	-0.21	
06103109.dat	2006/10/31 08:30	2006/10/31 11:30	0.01S	80.49E	B3550593	66	0.47	-0.28	-0.27	
06103112.dat	2006/10/31 11:30	2006/10/31 14:30	0.02S	80.49E	B3550584	66	0.53	-0.31	-0.41	
06103115.dat	2006/10/31 14:30	2006/10/31 17:30	0.01S	80.48E	B3550587	67	0.64	-0.36	-0.30	
06103118.dat	2006/10/31 17:30	2006/10/31 20:30	0.00N	80.48E	B3550372	67	0.73	-0.35	-0.11	
06103121.dat	2006/10/31 20:30	2006/11/01 02:30	0.01S	80.48E	B3550591	67	0.73	-0.34	-0.38	
06110100.dat	2006/10/31 23:30	2006/11/01 02:30	0.02S	80.47E	B3551274	67	0.49	-0.33	-0.37	
06110103.dat	2006/11/01 02:30	2006/11/01 05:30	0.01S	80.46E	B3550598	67	0.61	-0.48	-0.35	
06110106.dat	2006/11/01 05:30	2006/11/01 08:30	0.03N	80.49E	B3550610	67	0.75	-0.27	-0.31	
06110109.dat	2006/11/01 08:30	2006/11/01 11:30	0.04N	80.51E	B3550602	67	0.48	-0.32	-0.31	
06110112.dat	2006/11/01 11:30	2006/11/01 14:30	0.02N	80.49E	B3550613	68	0.47	-0.38	-0.20	
06110115.dat	2006/11/01 14:30	2006/11/01 17:30	0.01N	80.48E	B3550755	68	0.44	-0.29	-0.36	
06110118.dat	2006/11/01 17:30	2006/11/01 20:30	0.01N	80.48E	B3550162	68	0.74	-0.27	-0.27	
06110121.dat	2006/11/01 20:30	2006/11/01 23:30	0.01N	80.49E	B3550383	68	0.60	-0.36	-0.20	
06110200.dat	2006/11/01 23:30		0.02N	80.50E	B3550622	68	0.43	-0.27	-0.29	

06110203.dat	2006/11/02 02:30	0.02N	80.49E	B3550163	68	0.62	-0.29	-0.19	-0.20	
06110206.dat	2006/11/02 05:30	0.03N	80.49E	B3550166	68	0.57	-0.27	-0.24	-0.27	
06110209.dat	2006/11/02 08:30	0.03N	80.50E	B3550735	68	0.38	-0.35	-0.32	-0.35	Note
06110212.dat	2006/11/02 11:30	0.01S	80.49E	B3551122	69	0.46	-0.43	-0.43	-0.42	
06110215.dat	2006/11/02 14:30	0.01S	80.49E	B3551122	69	0.63	-0.29	-0.26	-0.27	
06110218.dat	2006/11/02 17:30	0.00N	80.50E	B3551126	69	0.41	-0.26	-0.16	-0.16	
06110221.dat	2006/11/02 20:30	0.01N	80.49E	B3551130	69	0.75	-0.26	-0.28	-0.25	
06110300.dat	2006/11/02 23:30	0.00N	80.50E	B3551133	69	0.56	-0.33	-0.19	-0.24	
06110303.dat	2006/11/03 02:30	0.03S	80.49E	B3550599	69	0.58	-0.43	-0.28	-0.23	
06110306.dat	2006/11/03 05:30	0.03S	80.50E	B3551140	69	0.47	-0.42	-0.15	-0.15	
06110309.dat	2006/11/03 08:30	0.01S	80.49E	B3551139	69	0.09	-0.25	-0.27	-0.25	
06110312.dat	2006/11/03 11:30	0.02S	80.50E	B3551144	70	0.54	-0.25	-0.23	-0.26	
06110315.dat	2006/11/03 14:30	0.00N	80.49E	B3551125	70	0.43	-0.28	-0.17	-0.18	
06110318.dat	2006/11/03 17:30	0.00N	80.49E	B3551123	70	0.32	-0.23	-0.09	-0.13	
06110321.dat	2006/11/03 20:30	0.00N	80.49E	B3551113	70	0.47	-0.22	-0.26	-0.28	
06110400.dat	2006/11/03 23:30	0.01S	80.49E	B3551121	70	0.67	-0.31	-0.32	-0.33	
06110403.dat	2006/11/04 02:30	0.02S	80.49E	B3551114	70	0.50	-0.04	-0.24	-0.26	
06110406.dat	2006/11/04 05:30	0.00N	80.48E	B3551142	70	0.60	-0.19	-0.26	-0.25	
06110409.dat	2006/11/04 08:30	0.02S	80.49E	B3551275	70	0.57	-0.24	-0.38	-0.40	
06110412.dat	2006/11/04 11:30	0.01S	80.49E	B3551059	70	0.47	-0.30	-0.29	-0.33	
06110415.dat	2006/11/04 14:30	0.00N	80.48E	B3550582	71	0.37	-0.26	-0.30	-0.32	
06110418.dat	2006/11/04 17:30	0.00N	80.49E	B3551078	71	0.66	-0.29	-0.27	-0.27	Rain
06110421.dat	2006/11/04 20:30	0.01N	80.48E	B3550597	71	0.59	-0.41	-0.46	-0.50	
06110500.dat	2006/11/04 23:30	0.00N	80.50E	B3551082	71	0.41	-0.36	-0.34	-0.31	
06110503.dat	2006/11/05 02:30	0.00N	80.49E	B3550614	71	0.53	-0.35	-0.23	-0.19	
06110506.dat	2006/11/05 05:30	0.02S	80.49E	B3551263	71	0.56	-0.35	-0.34	-0.37	
06110509.dat	2006/11/05 08:30	0.00N	80.50E	B3551264	71	0.57	-0.27	-0.47	-0.45	
06110512.dat	2006/11/05 11:30	0.00N	80.49E	B3550615	72	0.42	-0.26	-0.34	-0.33	
06110515.dat	2006/11/05 14:30	0.00N	80.49E	B3551063	72	0.39	-0.34	-0.33	-0.35	
06110518.dat	2006/11/05 17:30	0.00N	80.50E	B3550374	72	0.38	-0.31	-0.25	-0.25	
06110521.dat	2006/11/05 20:30	0.00N	80.48E	B3550371	72	0.47	-0.32	-0.28	-0.28	
06110600.dat	2006/11/05 23:30	0.01S	80.49E	B3550604	72	0.65	-0.27	-0.31	-0.30	
06110603.dat	2006/11/06 02:30	0.01S	80.49E	B3551262	72	0.64	-0.27	-0.35	-0.38	
06110606.dat	2006/11/06 05:30	0.01S	80.51E	B3551265	72	0.63	-0.29	-0.43	-0.45	Rain
06110609.dat	2006/11/06 08:30	0.00N	80.48E	B3551226	72	0.68	-0.26	-0.36	-0.37	Rain
06110612.dat	2006/11/06 11:30	0.01S	80.46E	B3550706	72	0.51	-0.30	-0.31	-0.31	Rain
06110615.dat	2006/11/06 14:30	0.02S	80.50E	B3550247	73	0.68	-0.23	-0.14	-0.16	
06110618.dat	2006/11/06 17:30	0.01S	80.49E	B3551233	73	0.46	-0.22	-0.37	-0.38	
06110621.dat	2006/11/06 20:30	0.00N	80.49E	B3550234	73	0.53	-0.28	-0.37	-0.35	
06110700.dat	2006/11/06 23:30	0.02S	80.49E	B3550762	73	0.64	-0.24	-0.34	-0.34	
06110703.dat	2006/11/07 02:30	0.03S	80.49E	B3550216	73	0.39	-0.36	-0.34	-0.35	
06110706.dat	2006/11/07 05:30	0.03S	80.48E	B3550229	73	0.66	-0.34	-0.16	-0.17	
06110709.dat	2006/11/07 08:30	0.01S	80.48E	B3550592	73	0.65	-0.37	-0.35	-0.33	
06110712.dat	2006/11/07 11:30	0.01S	80.48E	B3550595	74	0.06	-0.39	-0.25	-0.29	
06110715.dat	2006/11/07 14:30	0.00N	80.48E	B3550596	74	0.57	-0.43	-0.32	-0.30	
06110718.dat	2006/11/07 17:30	0.01S	80.49E	B3550764	74	0.65	-0.30	-0.26	-0.24	
06110721.dat	2006/11/07 20:30	0.00N	80.48E	B3550581	74	0.53	-1.87	-0.33	-0.30	
06110800.dat	2006/11/07 23:30	0.01S	80.49E	B3550752	74	0.53	-0.30	-0.13	-0.14	
06110803.dat	2006/11/08 02:30	0.00N	80.52E	B3550623	74	0.55	-0.41	-0.29	-0.32	
06110806.dat	2006/11/08 05:30	0.00N	80.46E	B3550748	74	0.38	-0.37	-0.20	-0.17	
06110809.dat	2006/11/08 08:30	0.01N	80.47E	B3550725	74	0.32	-0.39	-0.33	-0.37	
06110812.dat	2006/11/08 11:30	0.00N	80.47E	B3550594	74	0.54	-0.39	-0.38	-0.33	
06110815.dat	2006/11/08 14:30	0.00N	80.48E	B3550730	75	0.46	-0.36	-0.37	-0.36	
06110818.dat	2006/11/08 17:30	0.01S	80.48E	B3551267	75	0.42	-0.28	-0.21	-0.25	
06110821.dat	2006/11/08 20:30	0.01S	80.48E	B3551249	75	0.66	-0.35	-0.31	-0.32	
06110900.dat	2006/11/08 23:30	0.02S	80.48E	B3550369	75	0.63	-0.36	-0.28	-0.26	
06110903.dat	2006/11/09 02:30	0.02S	80.48E	B3550733	75	0.32	-0.32	-0.40	-0.39	
06110906.dat	2006/11/09 05:30	0.03S	80.50E	B3550375	75	0.61	-0.38	-0.16	-0.11	
06110909.dat	2006/11/09 08:30	0.01S	80.50E	B3551261	75	0.85	-0.36	-0.38	-0.39	
06110912.dat	2006/11/09 11:30	0.01S	80.47E	B3551277	76	0.62	-0.35	-0.90	-0.93	
06110915.dat	2006/11/09 14:30	0.00N	80.49E	B3550616	76	0.57	-0.42	-0.56	-0.58	
06110918.dat	2006/11/09 17:30	0.01S	80.51E	B3551271	76	0.57	-0.32	-0.53	-0.56	
06110921.dat	2006/11/09 20:30	0.01N	80.48E	B3551252	76	0.44	-1.08	-0.48	-0.46	
06111000.dat	2006/11/09 23:30	0.02S	80.48E	B3551250	76	0.54	-0.36	-0.56	-0.54	
06111003.dat	2006/11/10 02:30	0.00N	80.48E	B3551235	76	0.58	-0.34	-0.43	-0.35	
06111006.dat	2006/11/10 05:30	0.00N	80.50E	B3551057	76	0.77	-0.37	-1.21	-1.30	Rain
06111009.dat	2006/11/10 08:30	0.00N	80.48E	B3550228	76	0.69	-0.39	-0.49	-0.52	
06111012.dat	2006/11/10 11:30	0.00N	80.47E	B3551077	76	0.58	-0.41	-0.64	-0.68	
06111015.dat	2006/11/10 14:30	0.00N	80.47E	B3551132	77	0.49	-0.33	-0.46	-0.46	
06111018.dat	2006/11/10 17:30	0.01S	80.47E	B3551107	77	0.57	-0.35	-0.42	-0.41	
06111021.dat	2006/11/10 20:30	0.01S	80.48E	B3550167	77	0.81	-0.29	-0.51	-0.52	
06111100.dat	2006/11/10 23:30	0.01S	80.49E	B3550606	77	0.30	-0.60	-0.42	-0.37	Rain
06111103.dat	2006/11/11 02:30	0.00N	80.49E	B3551026	77	0.63	-0.37	-0.41	-0.36	

06111106.dat	2006/11/11	08:30	0.01S	80.48E	B3550777	0.63	-0.34	-0.58	-0.63	
06111109.dat	2006/11/11	08:30	0.01S	80.50E	B3550777	0.58	-0.44	-0.48		
06111112.dat	2006/11/11	11:30	0.00N	80.50E	B3550720	78	0.52	-0.33	-0.49	Note
06111115.dat	2006/11/11	14:30	0.01S	80.50E	B3550377	78	0.64	-0.35	-0.35	
06111118.dat	2006/11/11	17:30	0.01S	80.48E	B3550618	78	0.53	-0.80	-0.42	
06111121.dat	2006/11/11	20:30	0.01S	80.50E	B3550719	78	0.68	-0.22	-0.54	
06111200.dat	2006/11/11	23:30	0.00N	80.50E	B3551270	78	0.76	-0.33	-0.33	
06111203.dat	2006/11/12	02:30	0.00N	80.48E	B3550246	78	0.62	-0.29	-0.29	
06111206.dat	2006/11/12	05:30	0.00N	80.48E	B3551073	78	0.68	-0.37	-0.42	
06111209.dat	2006/11/12	08:30	0.00N	80.47E	B3551060	78	0.56	-0.33	-0.35	
06111212.dat	2006/11/12	11:30	0.00N	80.46E	B3550203	78	0.42	-0.40	-0.32	Rain
06111215.dat	2006/11/12	14:30	0.07S	80.50E	B3551075	79	0.69	-0.36	-0.31	Rain
06111218.dat	2006/11/12	17:30	0.00N	80.48E	B3551232	79	0.64	-0.31	-0.15	Rain
06111221.dat	2006/11/12	20:30	0.01N	80.45E	B3550955	79	0.74	-0.31	-0.38	Rain
06111300.dat	2006/11/12	23:30	0.02S	80.48E	B3550590	79	0.53	-0.39	-0.33	
06111303.dat	2006/11/13	02:30	0.00N	80.47E	B3550588	79	0.45	-0.40	-0.40	
06111306.dat	2006/11/13	05:30	0.01N	80.47E	B3550953	79	0.93	-0.24	-0.34	
06111309.dat	2006/11/13	08:30	0.00N	80.48E	B3550950	79	0.72	-0.25	-0.28	
06111312.dat	2006/11/13	11:30	0.01S	80.46E	B3550367	80	0.52	-0.41	-0.28	
06111315.dat	2006/11/13	14:30	0.03N	80.50E	B3610704	77	0.62	-0.40	-0.21	Rain
06111318.dat	2006/11/13	17:30	0.01S	80.47E	B3610700	77	0.83	-0.20	-0.39	Rain
06111321.dat	2006/11/13	20:30	0.01N	80.47E	B3610699	77	0.65	-0.23	-0.36	
06111400.dat	2006/11/13	23:30	0.01S	80.48E	B3610696	77	-0.87	-0.25	-0.28	
06111403.dat	2006/11/14	02:30	0.00N	80.48E	B3610694	77	0.71	-0.24	-0.44	
06111406.dat	2006/11/14	05:30	0.01S	80.49E	B3610667	77	0.61	-0.28	-1.61	
06111409.dat	2006/11/14	08:30	0.00N	80.49E	B3610652	77	0.72	-0.23	-0.34	
06111412.dat	2006/11/14	11:30	0.00N	80.50E	B3611002	78	0.60	-0.32	-0.48	
06111415.dat	2006/11/14	14:30	0.00N	80.49E	B3611003	78	0.57	-0.29	-0.74	
06111418.dat	2006/11/14	17:30	0.00N	80.49E	B3610992	78	0.71	-0.17	-0.47	
06111421.dat	2006/11/14	20:30	0.00N	80.52E	B3611010	78	0.68	-0.27	-0.44	
06111500.dat	2006/11/14	23:30	0.00N	80.50E	B3610997	78	0.34	-0.31	-0.39	
06111503.dat	2006/11/15	02:30	0.01S	80.51E	B3611001	78	0.48	-0.22	-0.58	
06111506.dat	2006/11/15	05:30	0.00N	80.48E	B3611007	78	0.78	-0.30	-0.36	
06111509.dat	2006/11/15	08:30	0.00N	80.50E	B3611014	78	0.47	-0.25	-0.45	
06111512.dat	2006/11/15	11:30	0.00N	80.49E	B3611624	78	0.38	-0.26	-0.47	Rain
06111515.dat	2006/11/15	14:30	0.02N	80.49E	B3611773	79	0.53	-0.27	-0.40	
06111518.dat	2006/11/15	17:30	0.00N	80.49E	B3610995	79	0.72	-0.23	-0.53	
06111521.dat	2006/11/15	20:30	0.00N	80.50E	B3610998	79	0.49	-0.28	-0.49	
06111600.dat	2006/11/15	23:30	0.00N	80.50E	B3611006	79	0.62	-0.29	-0.34	
06111603.dat	2006/11/16	02:30	0.00N	80.52E	B3611005	79	0.76	-0.30	-0.38	
06111606.dat	2006/11/16	05:30	0.00N	80.48E	B3611004	79	0.87	-0.36	-0.41	
06111609.dat	2006/11/16	08:30	0.00N	80.48E	B3611652	79	0.47	-0.20	-0.65	
06111612.dat	2006/11/16	11:30	0.00N	80.48E	B3611651	80	0.62	-0.24	-0.75	
06111615.dat	2006/11/16	14:30	0.00N	80.52E	B3611663	80	1.04	-0.24	-0.48	
06111618.dat	2006/11/16	17:30	0.00N	80.48E	B3611658	80	0.55	-0.22	-0.54	
06111621.dat	2006/11/16	20:30	0.00N	80.46E	B3611766	80	0.56	-0.22	-0.46	Rain
06111700.dat	2006/11/16	23:30	0.01S	80.49E	B3611642	80	0.72	-0.22	-0.57	
06111703.dat	2006/11/17	02:30	0.04S	80.49E	B3611656	80	0.56	-0.27	-0.34	
06111706.dat	2006/11/17	05:30	0.00N	80.48E	B3610993	80	0.50	-0.27	-0.50	
06111709.dat	2006/11/17	08:30	0.00N	80.48E	B3610990	80	0.57	-0.16	-0.40	
06111712.dat	2006/11/17	11:30	0.01S	80.48E	B3621392	80	0.64	-0.23	-0.27	
06111715.dat	2006/11/17	14:30	0.00N	80.49E	B3621041	80	0.54	-0.24	-0.58	
06111718.dat	2006/11/17	17:30	0.00N	80.49E	B3611639	81	0.64	-0.26	-0.53	
06111721.dat	2006/11/17	20:30	0.00N	80.50E	B3611637	81	0.61	-0.15	-0.56	
06111800.dat	2006/11/17	23:30	0.00N	80.49E	B3611653	81	0.48	-0.22	-0.58	
06111803.dat	2006/11/18	02:30	0.03N	80.50E	B3610991	81	0.59	-0.15	-0.57	
06111806.dat	2006/11/18	05:30	0.00N	80.48E	B3611771	81	0.68	-0.23	-0.44	
06111809.dat	2006/11/18	08:30	0.02N	80.49E	B3830412	65	0.52	-0.16	-0.45	Rain
06111812.dat	2006/11/18	11:30	0.02N	80.50E	B3830414	66	0.71	-0.17	-0.64	Rain
06111815.dat	2006/11/18	14:30	0.00N	80.49E	B3830415	66	0.53	-0.21	-0.50	
06111818.dat	2006/11/18	17:30	0.01N	80.48E	B3830416	66	0.68	-0.17	-0.53	Rain
06111821.dat	2006/11/18	20:30	0.02N	80.46E	B3821073	67	0.83	-0.14	-0.80	
06111900.dat	2006/11/18	23:30	0.01N	80.48E	B3821025	67	0.68	-0.17	-0.40	
06111903.dat	2006/11/19	02:30	0.03N	80.45E	B3821049	67	1.05	-0.35	-0.47	
06111906.dat	2006/11/19	05:30	0.01S	80.48E	B3830407	66	0.54	-0.20	-0.47	
06111909.dat	2006/11/19	08:30	0.00N	80.47E	B3830434	66	0.55	-0.25	-0.59	
06111912.dat	2006/11/19	11:30	0.00N	80.47E	B3830436	66	0.72	-0.21	-0.59	Rain
06111915.dat	2006/11/19	14:30	0.00N	80.47E	B3830439	67	0.86	-0.32	-0.41	
06111918.dat	2006/11/19	17:30	0.00N	80.48E	B3830440	67	0.87	-0.15	-0.36	
06111921.dat	2006/11/19	20:30	0.01S	80.47E	B3830437	67	0.57	-0.27	-0.54	
06112000.dat	2006/11/19	23:30	0.01S	80.49E	B3830438	67	0.64	-0.20	-0.31	Rain
06112003.dat	2006/11/20	02:30	0.04S	80.49E	B3830446	67	0.63	-0.27	-0.45	
06112006.dat	2006/11/20	05:30	0.00N	80.48E	B3830444	67	0.50	-0.13	-0.39	

	Launch time (UTC)	Altitude (km)	Latitude (deg)	Longitude (deg)	Sensor information	Pressure (hPa)	Temperature (deg-C)	Relative humidity1[%]	Relative humidity2[%]	Note
06112009.dat	2006/11/20 08:30	0.00N	80.48E	B3830443	67	0.59	0.52	Calibration result	-0.53	
06112013.dat	2006/11/20 11:30	0.00N	80.48E	B3830442	68	0.72	-0.14	Air	-0.59	
06112015.dat	2006/11/20 11:30	0.01S	80.48E	B3830440	68	0.63	-0.50	Temperature[deg-C]	-0.49	
06112018.dat	2006/11/20 17:30	0.01S	80.48E	B3830410	68	0.64	-0.22	Relative humidity1[%]	-0.47	
06112021.dat	2006/11/20 20:30	0.04S	80.47E	B3830411	68	0.60	-0.15		-0.52	
06112100.dat	2006/11/20 23:30	0.00N	80.48E	B3830429	68	0.93	-0.25		-0.29	
06112103.dat	2006/11/21 02:30	0.03S	80.48E	B3830427	68	0.68	-0.25		-0.51	
06112106.dat	2006/11/21 05:30	0.00N	80.48E	B3830430	68	0.76	-0.25		-0.40	
06112109.dat	2006/11/21 08:30	0.01S	80.47E	B3830431	68	0.56	-0.28		-0.43	
06112112.dat	2006/11/21 11:30	0.01S	80.47E	B3830428	68	0.68	-0.15		-0.55	
06112115.dat	2006/11/21 14:30	0.01S	80.47E	B3830432	69	0.59	-0.22		-0.49	
06112118.dat	2006/11/21 17:30	0.00N	80.48E	B3830433	69	0.95	-0.35		-0.62	Rain
06112121.dat	2006/11/21 20:30	0.02N	81.09E	B3830435	69	0.91	-0.18		-0.54	
06112200.dat	2006/11/21 23:30	0.01S	81.81E	B3830418	69	0.62	-0.21		-0.30	
06112203.dat	2006/11/22 02:30	0.01S	81.87E	B3830420	69	0.61	-0.14		-0.36	
06112206.dat	2006/11/22 05:30	0.00N	81.87E	B3830421	69	0.51	-0.18		-0.52	
06112209.dat	2006/11/22 08:30	0.00N	82.03E	B3830422	69	0.43	-0.21		-0.48	
06112212.dat	2006/11/22 11:30	0.00N	82.04E	B3830417	70	0.68	-0.23		-0.46	
06112215.dat	2006/11/22 14:30	0.01S	81.52E	B3830424	70	0.64	-0.26		-0.48	
06112218.dat	2006/11/22 17:30	0.00N	80.76E	B3830423	70	0.73	-0.24		-0.48	
06112221.dat	2006/11/22 20:30	0.01S	80.00E	B3830426	70	0.70	-0.14		-0.60	
06112300.dat	2006/11/22 23:30	0.01S	79.28E	B3640207	83	0.55	-0.23		-0.38	
06112303.dat	2006/11/23 02:30	0.02S	79.02E	B3640795	83	0.45	-0.21		-0.40	
06112306.dat	2006/11/23 05:30	0.11S	79.00E	B3640612	83	0.60	-0.22		-0.52	
06112309.dat	2006/11/23 08:30	0.05S	79.00E	B3640949	83	0.87	-0.23		-0.25	
06112312.dat	2006/11/23 11:30	0.01S	79.01E	B3640958	84	0.77	-0.23		-0.39	
06112315.dat	2006/11/23 14:30	0.05N	79.00E	B3630483	85	0.80	-0.30		-0.53	
06112318.dat	2006/11/23 17:30	0.12N	78.98E	B3630478	85	0.93	-0.23		-0.50	
06112321.dat	2006/11/23 20:30	0.10N	78.98E	B3630572	85	0.73	-0.22		-0.59	
06112400.dat	2006/11/23 23:30	0.00N	79.00E	B3630486	85	0.83	-0.31		-0.37	
06112403.dat	2006/11/24 02:30	0.01S	79.03E	B3610002	87	0.82	-0.25		-0.37	
06112406.dat	2006/11/24 05:30	0.01S	79.01E	B3610006	87	0.88	-0.25		-0.40	
06112409.dat	2006/11/24 08:30	0.00N	78.87E	B3610047	87	1.05	-0.19		-0.36	
06112412.dat	2006/11/24 11:30	0.00N	78.84E	B3611407	88	0.47	-0.25		-0.37	
06112415.dat	2006/11/24 14:30	0.01N	78.84E	B3610015	88	0.93	-0.24		-0.51	
06112418.dat	2006/11/24 17:30	0.04N	78.81E	B3611404	88	0.41	-0.24		-0.43	
06112421.dat	2006/11/24 20:30	0.00N	78.84E	B3610057	88	0.79	-0.24		-0.36	Rain
06112500.dat	2006/11/24 23:30	0.01N	78.85E	B3640756	85	0.69	-0.24		-0.44	Rain
06112503.dat	2006/11/25 02:30	0.01N	78.85E	B3640736	85	0.88	-0.25		-0.35	
06112506.dat	2006/11/25 05:30	0.01N	78.85E	B3640209	85	0.63	-0.25		-0.54	
06112509.dat	2006/11/25 08:30	0.00N	78.84E	B3610208	88	0.50	-0.22		-0.49	
06112512.dat	2006/11/25 11:30	0.00N	78.84E	B3640755	86	0.71	-0.03		-0.42	
06112515.dat	2006/11/25 14:30	0.00N	78.84E	B3640774	86	0.60	-0.26		-0.39	
06112518.dat	2006/11/25 17:30	0.00N	78.85E	B3640790	86	0.56	-0.31		-0.59	
06112521.dat	2006/11/25 20:30	0.22N	78.57E	B3640240	86	0.64	-0.27		-0.69	
06112600.dat	2006/11/25 23:30	0.68N	77.96E	B3420188	102	0.48	-0.25		-0.35	

Reference

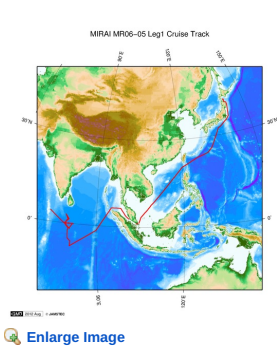
- K. Yoneyama, M.Hanyu, S.Sueyoshi, F.Yoshiura, and M.Katsumata, 2002:Radiosonde observation from the ship in the tropical region.[PDF:400kbyte]
JAMSTECR, Vol.45, 31-39.
- K. Yoneyama, M.fujita, N.Sato, M.Fujiwara, Y.Inai, and F.Hasebe, 2008:Correction for Radiation Dry Bias Found in RS92 Radiosonde Data during the MISMO Field Experiment.[PDF:400kbyte] SOLA, Vol.4, 13-16.

Others

- Main processor: DigiCORAll. MW21(from 2004 Jul. to 2011 Mar.) [VAISALA, Finland]
- Radiosonde Sensor: RS92-SGP, RS80-15GH, RS80-15G [VAISALA, Finland]
 - * The observations which using the RS80 sensors were mentioned in the "Note" of data page (other observations were performed using the RS92 sensors).
- Launcher Location: 22m (from base line)

Note

Related Information



MR06-05 Leg1
Ship Name: MIRAI
Period: 2006-10-03 - 2006-11-27
Chief Scientist: Kunio Yoneyama (JAMSTEC)
Project Name: [Mirai Indian ocean cruise for the Study of the MJO convection Onset,MJO Research]

Update History

2014-07-11	An observation data was registerd.
2014-06-13	An observation data was registerd.
2012-11-25	An observation data was registerd.

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海洋研究開発機構

JAPAN AGENCY FOR MARINE-EARTH SCIENCE AND TECHNOLOGY

MIRAI MR06-05 Leg1 Radiosonde

Last Modified: 2014-07-11

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Cruise ID: [MR06-05 Leg1](#)

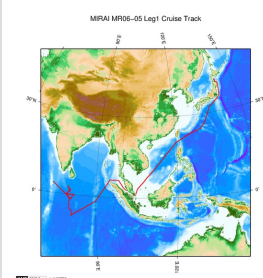
Radiosonde: Processed (DMO)-Corrected

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](#)

MR06-05 Leg1

Ship Name: MIRAI

Period: 2006-10-03 - 2006-11-27

Chief Scientist: Kunio Yoneyama (JAMSTEC)

Project Name: [Mirai Indian ocean cruise for the Study of the MJO convection Onset, MJO Research]

Update History

2014-07-11	An observation data was registerd.
2014-06-13	An observation data was registerd.
2012-11-25	An observation data was registerd.

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Dive ID:

MIRAI MR06-05 Leg1 Radiosonde

Last Modified: 2014-07-11

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

Cruise ID: [MR06-05 Leg1](#)

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

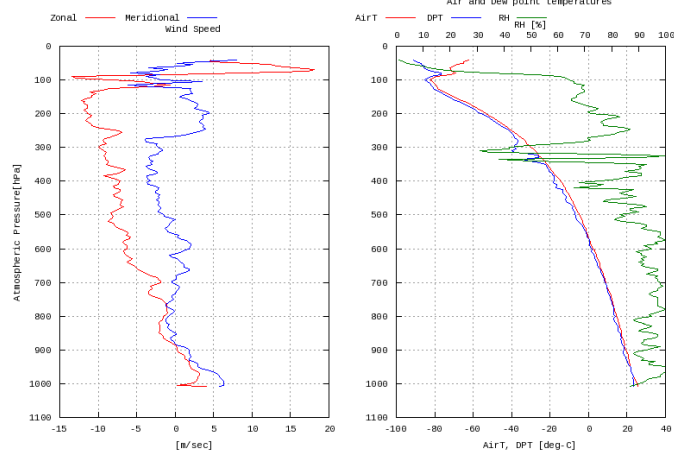
- Clicking the icon displays a balloon with observation information.
- Then click the observation name, figures will be displayed.



Figures

06102212












































MR06-05 Leg1: 06102212
Radiosonde
















Data List

☐ File names

- ☐ 06102212.dat
- ☐ 06102215.dat
- ☐ 06102218.dat
- ☐ 06102221.dat
- ☐ 06102300.dat
- ☐ 06102303.dat
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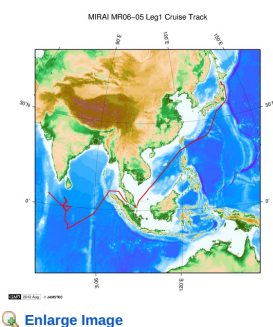
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Related Information



MR06-05 Leg1

Ship Name: MIRAI

Period: 2006-10-03 - 2006-11-27

Chief Scientist: Kunio Yoneyama (JAMSTEC)

Project Name: [Mirai Indian ocean cruise for the Study of the MJO convection Onset,MJO Research]

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