

## MIRAI MR08-02 Radiosonde

Last Modified: 2014-07-11

ReadMe Observation Data Data Format

Cruise ID: [MR08-02](#)

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/MR08-02\\_all.pdf](http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR08-02_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

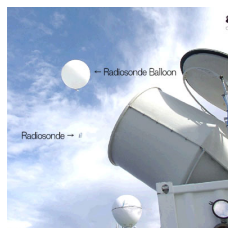
Instrument:

Radiosonde (MR11-03 - MR15-E01  
Leg3)



Instrument:

Radiosonde (MR04-03 Leg1 - MR11-02)



Instrument:

Radiosonde (- MR04-02)



### 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[%]	
08060200.dat	2008/06/01	23:30	14.56N	130.10E	D1814709	34	2.30	-0.29	-0.16	-0.22	
08060203.dat	2008/06/02	02:30	14.00N	130.10E	D1814693	34	1.56	-0.36	-0.04	-0.08	
08060206.dat	2008/06/02	05:30	13.52N	130.10E	D1814226	34	1.20	-0.35	-0.08	0.04	
08060209.dat	2008/06/02	08:30	12.71N	130.11E	D1814716	34	1.70	-0.43	-0.22	-0.26	
08060212.dat	2008/06/02	11:30	12.29N	130.10E	D1814690	34	1.62	-0.30	-0.08	-0.17	
08060215.dat	2008/06/02	14:30	11.55N	130.10E	D1814711	35	1.68	-0.29	-0.04	-0.11	
08060218.dat	2008/06/02	17:30	11.00N	130.10E	D1814689	35	1.82	-0.32	-0.17	-0.28	
08060221.dat	2008/06/02	20:30	10.40N	130.09E	D1814229	35	1.07	-0.13	0.01	-0.03	
08060300.dat	2008/06/02	23:30	9.65N	130.08E	D1814230	35	1.33	-0.26	-0.04	-0.11	
08060303.dat	2008/06/03	02:30	8.87N	130.08E	D1814240	35	1.24	-0.25	-0.07	-0.11	
08060306.dat	2008/06/03	05:30	8.15N	130.06E	D1813368	35	1.42	-0.60	-0.09	-0.14	
08060309.dat	2008/06/03	08:30	7.58N	130.07E	D1813378	35	1.20	-0.28	-0.15	-0.19	
08060312.dat	2008/06/03	11:30	7.09N	130.10E	D1813382	36	1.55	-0.48	-0.13	-0.16	Rain

08060315.dat	2008/06/03	20:30	6.34N	130.09E	D1814231	36	1.55	-0.39	-0.11	2.41	
08060318.dat	2008/06/03	17:30	5.60N	130.08E	D1814231	36	1.79	-0.33	-0.61	-0.69	
08060321.dat	2008/06/03	20:30	5.02N	130.10E	D1814722	36	1.80	-0.26	-0.30	-0.39	Note
08060400.dat	2008/06/03	23:30	5.24N	130.28E	D1814231	36	1.39	-0.37	-0.09	-0.39	
08060403.dat	2008/06/04	02:30	5.85N	130.71E	D1813369	36	1.35	-0.43	-0.24	-0.28	
08060409.dat	2008/06/04	08:30	6.95N	131.52E	C2826803	329	1.55	-0.40	-0.53	-0.52	
08060412.dat	2008/06/04	11:30	7.31N	131.77E	C2826809	330	1.74	-0.29	-0.62	-0.69	
08060415.dat	2008/06/04	14:30	7.83N	132.12E	C2816385	331	1.14	-0.36	-0.53	-0.52	
08060418.dat	2008/06/04	17:30	8.30N	132.46E	C2816419	331	1.49	-0.39	-0.50	-0.64	
08060421.dat	2008/06/04	20:30	8.62N	132.69E	C2826127	330	1.27	-0.33	-0.93	-0.47	Rain
08060500.dat	2008/06/04	23:30	9.10N	133.00E	C2816390	331	1.11	-0.50	-0.47	-0.49	
08060503.dat	2008/06/05	02:30	9.62N	133.32E	C2826784	330	1.67	-0.40	-0.73	-0.64	
08060506.dat	2008/06/05	05:30	10.15N	133.73E	C2826118	330	1.28	-0.33	-0.74	-0.37	
08060509.dat	2008/06/05	08:30	10.72N	134.11E	C2816389	331	1.11	-0.39	-0.51	-0.48	
08060512.dat	2008/06/05	11:30	11.01N	134.34E	C2826810	330	1.72	-0.40	-0.52	-0.54	
08060515.dat	2008/06/05	14:30	11.50N	134.66E	C2826817	331	1.10	-0.38	-0.30	-0.44	
08060518.dat	2008/06/05	17:30	11.99N	134.99E	D1814238	38	1.29	-0.27	0.06	0.03	
08060521.dat	2008/06/05	20:30	12.02N	134.99E	D1813380	38	1.23	-0.38	-0.04	-0.06	
08060600.dat	2008/06/05	23:30	12.03N	134.99E	D1814715	38	1.81	-0.28	-0.05	-0.10	
08060603.dat	2008/06/06	02:30	12.00N	134.99E	D1813383	38	0.87	-0.35	-0.02	-0.05	
08060606.dat	2008/06/06	05:30	12.01N	134.99E	D1814719	38	1.46	-0.24	-0.19	-0.30	
08060609.dat	2008/06/06	08:30	12.03N	134.99E	D1814721	38	1.74	-0.38	-0.22	-0.46	
08060612.dat	2008/06/06	11:30	12.00N	134.99E	D1715647	46	1.82	-0.40	-0.15	-0.13	
08060615.dat	2008/06/06	14:30	12.02N	135.02E	D1814278	39	1.42	-0.46	-0.26	-0.29	
08060618.dat	2008/06/06	17:30	12.00N	135.00E	D1814233	39	1.35	-0.35	0.01	-0.10	
08060621.dat	2008/06/06	20:30	12.00N	134.99E	D1814702	39	1.47	-0.29	-0.20	-0.25	
08060700.dat	2008/06/06	23:30	12.00N	135.01E	D1813367	39	1.51	-0.54	0.00	-0.03	
08060703.dat	2008/06/07	02:30	12.01N	135.00E	D1714572	46	1.33	-0.31	-0.11	-0.12	
08060706.dat	2008/06/07	05:30	12.00N	135.00E	D1814726	39	1.39	-0.48	-0.17	-0.25	
08060709.dat	2008/06/07	08:30	11.96N	135.00E	D1814239	39	1.14	-0.23	-0.14	-0.19	
08060712.dat	2008/06/07	11:30	12.01N	134.99E	D1814703	40	1.64	-0.39	-0.27	-0.23	
08060715.dat	2008/06/07	14:30	12.03N	135.00E	D1814707	40	1.69	-0.25	-0.12	-0.19	
08060718.dat	2008/06/07	17:30	12.00N	135.00E	D1814221	40	1.30	-0.34	-0.07	-0.12	
08060721.dat	2008/06/07	20:30	12.02N	135.00E	D1813340	40	1.41	-0.40	-0.05	-0.07	
08060800.dat	2008/06/07	23:30	12.01N	135.00E	D1754816	43	1.63	-0.51	-0.04	-0.11	
08060803.dat	2008/06/08	02:30	12.00N	135.00E	D1813327	40	1.29	-0.40	-0.10	-0.17	
08060806.dat	2008/06/08	05:30	12.03N	135.00E	D1754149	43	1.23	-0.33	-0.21	-0.22	
08060809.dat	2008/06/08	08:30	12.07N	135.01E	D1754129	43	1.04	-0.34	-0.10	-0.37	
08060812.dat	2008/06/08	11:30	12.00N	135.00E	D1813343	40	1.05	-0.32	-0.13	-0.16	
08060815.dat	2008/06/08	14:30	12.02N	135.01E	D1813331	41	0.82	-0.37	-0.13	-0.16	
08060818.dat	2008/06/08	17:30	12.01N	135.02E	D1754812	44	1.37	-0.20	-0.23	-0.24	
08060821.dat	2008/06/08	20:30	12.00N	135.00E	D1824331	40	1.19	-0.26	-0.16	-0.20	
08060900.dat	2008/06/08	23:30	12.01N	135.01E	D1754147	44	1.17	-0.21	-0.20	-0.21	
08060903.dat	2008/06/09	02:30	12.00N	135.00E	D1813324	41	1.19	-0.24	-0.18	-0.23	
08060906.dat	2008/06/09	05:30	12.02N	135.01E	D1813342	41	1.09	-0.30	-0.13	-0.15	
08060909.dat	2008/06/09	08:30	12.01N	135.00E	D1824330	40	1.41	-0.44	-0.18	-0.29	
08060912.dat	2008/06/09	11:30	12.05N	135.00E	D1813336	42	1.47	-0.49	-0.18	-0.23	
08060915.dat	2008/06/09	14:30	12.02N	135.01E	D1813344	42	1.39	-0.35	-0.20	-0.21	
08060918.dat	2008/06/09	17:30	12.02N	135.01E	D1813326	42	1.08	-0.56	-0.28	-0.25	
08060921.dat	2008/06/09	20:30	12.03N	135.01E	D1824334	41	1.19	-0.21	-0.11	-0.13	
08061000.dat	2008/06/09	23:30	12.02N	135.01E	D1824309	41	1.79	-0.30	0.00	-0.01	
08061003.dat	2008/06/10	02:30	12.00N	135.00E	D1824320	41	1.18	-0.33	-0.16	-0.22	
08061006.dat	2008/06/10	05:30	12.01N	135.00E	D1824319	41	1.19	-0.43	-0.01	-0.06	
08061009.dat	2008/06/10	08:30	12.06N	135.01E	D1824321	41	1.61	-0.58	-0.16	-0.40	
08061012.dat	2008/06/10	11:30	12.00N	135.00E	D1754143	46	1.32	-0.43	-0.24	-0.26	
08061015.dat	2008/06/10	14:30	12.03N	135.01E	D1824324	42	1.30	-0.08	-0.11	-0.21	
08061018.dat	2008/06/10	17:30	12.03N	135.00E	D1824316	42	1.45	-0.62	0.00	-0.03	
08061021.dat	2008/06/10	20:30	12.04N	134.99E	D1824317	42	1.68	-0.58	0.01	-0.04	
08061100.dat	2008/06/10	23:30	12.02N	135.00E	D1813377	43	1.39	-0.60	-0.19	-0.20	
08061103.dat	2008/06/11	02:30	12.00N	135.00E	D1813370	43	1.31	-0.45	-0.12	-0.14	
08061106.dat	2008/06/11	05:30	12.03N	135.01E	D1813375	43	1.19	-0.42	-0.15	-0.18	
08061109.dat	2008/06/11	08:30	12.05N	135.00E	D1824299	42	1.50	-0.63	-0.08	-0.11	
08061112.dat	2008/06/11	11:30	12.00N	135.01E	D1814727	44	1.84	-0.45	-0.38	-0.48	
08061115.dat	2008/06/11	14:30	12.03N	135.01E	D1813357	44	1.39	-0.37	-0.16	-0.28	
08061118.dat	2008/06/11	17:30	12.03N	135.00E	D1824301	43	1.38	-0.44	0.01	0.09	
08061121.dat	2008/06/11	20:30	12.02N	135.00E	D1824300	43	1.55	-0.61	-0.10	-0.13	
08061200.dat	2008/06/11	23:30	12.02N	135.01E	D1824303	43	1.38	-0.48	0.20	0.04	
08061203.dat	2008/06/12	02:30	12.00N	135.00E	D1813356	44	1.20	-0.34	-0.10	-0.24	
08061206.dat	2008/06/12	05:30	12.00N	135.00E	D1813359	44	1.22	-0.34	-0.11	-0.13	
08061209.dat	2008/06/12	08:30	12.03N	134.98E	D1813376	44	0.79	-0.43	-0.09	-0.10	
08061212.dat	2008/06/12	11:30	12.00N	135.00E	D1814227	44	1.01	-0.37	0.26	-0.07	
08061215.dat	2008/06/12	14:30	12.04N	134.99E	D1813381	45	1.14	-0.47	-0.13	-0.17	
08061218.dat	2008/06/12	17:30	12.00N	135.00E	D1813358	45	1.06	-0.37	-0.11	-0.15	

	Launch time (UTC)	Launch Date	Time	Latitude	Longitude	Sensor information Serial No.	Age	Altitude [m]	Calibration offset	Relative humidity1[%]	Relative humidity2[%]	
08061221.dat	2008/06/12 20:30	2008/06/12	20:30	12.00N	135.00E	D1823184	44	1.40	-0.49	-0.17	-0.24	
08061300.dat	2008/06/12 23:30	2008/06/12	23:30	12.02N	135.00E	D1823191	44	1.28	-0.29	-0.17	-0.20	Note
08061303.dat	2008/06/13 02:30	2008/06/13	02:30	12.00N	135.00E	D1823963	44	1.33	-0.29	-0.04	-0.12	
08061306.dat	2008/06/13 05:30	2008/06/13	05:30	12.01N	134.99E	D1754311	48	1.34	-0.50	-0.14	-0.21	
08061309.dat	2008/06/13 08:30	2008/06/13	08:30	12.04N	135.00E	D1823182	44	1.10	-0.51	-0.12	-0.15	
08061312.dat	2008/06/13 11:30	2008/06/13	11:30	12.00N	135.00E	D1823192	44	1.37	-0.27	-0.20	-0.25	
08061315.dat	2008/06/13 14:30	2008/06/13	14:30	12.04N	135.00E	D1755093	49	1.27	-0.49	-0.04	-0.12	
08061318.dat	2008/06/13 17:30	2008/06/13	17:30	12.00N	135.00E	D1755084	49	1.45	-0.43	0.01	-0.05	
08061321.dat	2008/06/13 20:30	2008/06/13	20:30	12.03N	134.99E	D1823187	45	1.22	-0.43	-0.21	-0.27	
08061400.dat	2008/06/13 23:30	2008/06/13	23:30	12.02N	134.99E	D1755086	49	0.88	-0.48	-0.02	-0.09	
08061403.dat	2008/06/14 02:30	2008/06/14	02:30	12.00N	135.00E	D1823185	45	1.90	-0.33	-0.11	-0.18	
08061406.dat	2008/06/14 05:30	2008/06/14	05:30	12.00N	135.00E	D1754304	49	1.49	-0.42	-0.07	-0.26	Rain
08061409.dat	2008/06/14 08:30	2008/06/14	08:30	12.04N	135.00E	D1754323	49	1.43	-0.31	-0.25	-0.20	Rain
08061412.dat	2008/06/14 11:30	2008/06/14	11:30	12.00N	135.00E	D1754920	50	1.66	-0.37	-0.11	-0.16	
08061415.dat	2008/06/14 14:30	2008/06/14	14:30	12.03N	135.00E	D1823189	46	1.19	-0.43	-0.22	-0.25	
08061418.dat	2008/06/14 17:30	2008/06/14	17:30	12.02N	135.00E	D1814708	47	1.46	-0.27	-0.26	-0.20	
08061421.dat	2008/06/14 20:30	2008/06/14	20:30	12.04N	134.99E	D1755104	50	1.72	-0.51	-0.15	-0.22	Rain
08061500.dat	2008/06/14 23:30	2008/06/14	23:30	12.03N	135.01E	D1754316	50	1.26	-0.41	-0.09	-0.13	
08061503.dat	2008/06/15 02:30	2008/06/15	02:30	12.00N	135.00E	D1743567	51	0.37	-0.34	0.11	0.06	
08061506.dat	2008/06/15 05:30	2008/06/15	05:30	12.02N	135.01E	D1755092	50	1.49	-0.39	-0.15	-0.16	
08061509.dat	2008/06/15 08:30	2008/06/15	08:30	12.04N	135.02E	D1755077	50	1.32	-0.47	-0.03	-0.06	
08061512.dat	2008/06/15 11:30	2008/06/15	11:30	12.00N	135.00E	D1755098	50	1.53	-0.42	-0.12	-0.18	
08061515.dat	2008/06/15 14:30	2008/06/15	14:30	12.03N	135.00E	D1754290	51	1.44	-0.38	-0.08	-0.18	
08061518.dat	2008/06/15 17:30	2008/06/15	17:30	12.02N	135.01E	D1743527	52	0.58	-0.34	-0.03	-0.10	
08061521.dat	2008/06/15 20:30	2008/06/15	20:30	11.99N	135.00E	D1755094	51	1.35	-0.57	-0.19	-0.23	
08061600.dat	2008/06/15 23:30	2008/06/15	23:30	12.03N	135.02E	D1755080	51	1.40	-0.37	-0.12	-0.24	
08061603.dat	2008/06/16 02:30	2008/06/16	02:30	12.00N	135.00E	D1814665	48	1.62	-0.32	-0.11	-0.16	
08061606.dat	2008/06/16 05:30	2008/06/16	05:30	12.01N	135.00E	D1755099	51	1.51	-0.58	-0.16	-0.18	
08061609.dat	2008/06/16 08:30	2008/06/16	08:30	12.03N	135.01E	D1744590	52	1.26	-0.37	-0.13	-0.12	
08061612.dat	2008/06/16 11:30	2008/06/16	11:30	12.00N	135.00E	D1755107	52	1.30	-0.34	-0.09	-0.11	
08061615.dat	2008/06/16 14:30	2008/06/16	14:30	12.03N	135.01E	D1823188	48	1.72	-0.60	-0.14	-0.17	
08061618.dat	2008/06/16 17:30	2008/06/16	17:30	12.02N	135.01E	D1744598	53	1.31	-0.34	-0.13	-0.18	
08061621.dat	2008/06/16 20:30	2008/06/16	20:30	12.03N	135.01E	D1755110	52	1.17	-0.19	-0.20	-0.22	
08061700.dat	2008/06/16 23:30	2008/06/16	23:30	12.03N	135.02E	D1754330	52	1.42	-0.42	-0.10	-0.14	
08061703.dat	2008/06/17 02:30	2008/06/17	02:30	12.00N	135.00E	D1755096	52	1.57	-0.30	-0.11	-0.17	
08061706.dat	2008/06/17 05:30	2008/06/17	05:30	12.03N	135.00E	D1755079	52	1.23	-0.57	-0.17	-0.21	
08061709.dat	2008/06/17 08:30	2008/06/17	08:30	12.02N	135.01E	D1755081	52	1.19	-0.36	-0.22	-0.27	
08061712.dat	2008/06/17 11:30	2008/06/17	11:30	12.01N	134.99E	D1755083	52	1.37	-0.53	-0.09	-0.07	
08061715.dat	2008/06/17 14:30	2008/06/17	14:30	12.02N	135.00E	D1755085	53	1.67	-0.50	-0.10	-0.19	
08061718.dat	2008/06/17 17:30	2008/06/17	17:30	12.03N	135.01E	D1754808	53	1.58	-0.11	-0.19	-0.25	
08061721.dat	2008/06/17 20:30	2008/06/17	20:30	12.02N	135.03E	D1824342	49	1.13	-0.27	-0.25	-0.32	
08061800.dat	2008/06/17 23:30	2008/06/17	23:30	12.04N	135.01E	D1754825	53	1.65	-0.65	-0.23	-0.21	
08061803.dat	2008/06/18 02:30	2008/06/18	02:30	12.01N	135.00E	D1824087	49	1.18	-0.18	-0.11	-0.19	
08061806.dat	2008/06/18 05:30	2008/06/18	05:30	12.01N	135.00E	D1824083	49	1.16	-0.16	-0.15	-0.19	Rain
08061809.dat	2008/06/18 08:30	2008/06/18	08:30	12.02N	135.02E	D1754828	53	1.89	-0.58	-0.18	-0.21	Rain
08061812.dat	2008/06/18 11:30	2008/06/18	11:30	12.01N	135.00E	D1824336	50	1.17	-0.31	-0.12	-0.18	
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08061821.dat	2008/06/18 20:30	2008/06/18	20:30	12.01N	135.04E	D1754837	54	1.44	-0.12	0.07	-0.27	
08061900.dat	2008/06/18 23:30	2008/06/18	23:30	12.01N	135.02E	D1754823	54	1.44	-0.47	-0.25	-0.26	
08061903.dat	2008/06/19 02:30	2008/06/19	02:30	12.00N	135.00E	D1754818	54	1.33	-0.38	-0.15	-0.30	
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08061918.dat	2008/06/19 17:30	2008/06/19	17:30	11.98N	135.01E	D1754821	55	1.34	-0.52	-0.15	-0.17	
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08062103.dat	2008/06/21 02:30	2008/06/21	02:30	12.00N	135.01E	D1824337	52	1.36	-0.25	-0.09	-0.22	Rain
08062106.dat	2008/06/21 05:30	2008/06/21	05:30	11.99N	135.01E	D1754138	56	1.43	-0.27	-0.22	-0.24	
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08062115.dat	2008/06/21 14:30	2008/06/21	14:30	12.01N	135.04E	D1754139	57	1.30	-0.34	-0.20	-0.22	
08062118.dat	2008/06/21 17:30	2008/06/21	17:30	12.00N	135.02E	D1824323	53	0.97	-0.31	-0.12	-0.20	Rain

08062121.dat	2008/06/21 12:30	12.00N	135.02E	D1754799	57	1.69	-0.49	-0.31	-0.36	
08062200.dat	2008/06/22 23:30	12.00N	135.02E	D1754122	57	1.12	-0.41	-0.17	-0.21	
08062201.dat	2008/06/22 02:30	12.00N	135.01E	D1743677	58	1.78	0.02	-0.13	-0.28	Note
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08062215.dat	2008/06/22 14:30	11.98N	135.00E	D1755111	58	1.55	-0.51	-0.15	-0.26	
08062218.dat	2008/06/22 17:30	11.99N	135.02E	D1755089	58	1.40	-0.43	-0.20	-0.26	
08062221.dat	2008/06/22 20:30	11.98N	135.02E	D1755097	58	1.02	-0.53	-0.17	-0.22	
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08062406.dat	2008/06/24 05:30	12.01N	135.01E	D1723548	62	1.42	-0.32	-0.14	-0.17	
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08062418.dat	2008/06/24 17:30	12.01N	135.01E	D1723133	63	1.52	-0.58	-0.19	-0.23	
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08062500.dat	2008/06/24 23:30	12.02N	135.00E	D1715632	64	1.56	-0.31	-0.12	-0.19	
08062503.dat	2008/06/25 02:30	12.00N	135.00E	D1715215	64	1.33	-0.42	-0.05	-0.08	
08062506.dat	2008/06/25 05:30	11.99N	135.02E	D1814673	57	1.27	-0.34	-0.02	-0.04	
08062509.dat	2008/06/25 08:30	12.00N	135.00E	D1814676	57	1.36	-0.23	-0.05	-0.20	
08062512.dat	2008/06/25 11:30	12.00N	135.00E	D1814688	58	1.29	-0.39	-0.29	-0.31	Rain
08062515.dat	2008/06/25 14:30	12.00N	135.01E	D1814677	58	1.28	-0.09	-0.11	-0.34	
08062518.dat	2008/06/25 17:30	12.02N	135.01E	D1723543	64	1.37	-0.34	-0.16	-0.19	
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08062606.dat	2008/06/26 05:30	12.01N	135.01E	D1755091	61	1.60	-0.51	-0.11	-0.15	
08062609.dat	2008/06/26 08:30	12.01N	135.00E	D1723146	64	1.58	-0.39	-0.08	-0.13	
08062612.dat	2008/06/26 11:30	12.00N	135.00E	D1743552	62	1.60	-0.47	-0.06	-0.10	Rain
08062615.dat	2008/06/26 14:30	12.00N	134.99E	D1755109	62	1.21	-0.36	-0.16	-0.22	Rain
08062618.dat	2008/06/26 17:30	11.98N	135.01E	D1755100	62	1.16	-0.59	-0.16	-0.22	Rain
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08062700.dat	2008/06/26 23:30	11.99N	135.00E	D1814685	59	1.43	-0.38	-0.08	-0.18	
08062703.dat	2008/06/27 02:30	12.00N	135.00E	D1814697	59	1.39	-0.28	-0.18	-0.19	
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08062715.dat	2008/06/27 14:30	11.99N	135.00E	D1814686	60	1.72	-0.19	-0.09	-0.24	
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08062800.dat	2008/06/27 23:30	12.23N	136.50E	D1814701	60	1.48	-0.44	-0.05	-0.24	

Reference

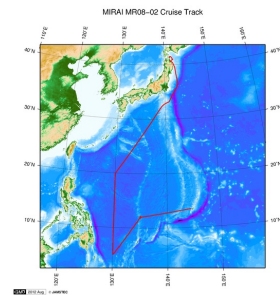
- K. Yoneyama, M.Hanyu, S.Sueyoshi, F.Yoshiura, and M.Katsumata, 2002:Radiosonde observation from the ship in the tropical region.[\[PDF:400kbyte\]](#)  
JAMSTECR, Vol.45, 31-39.
- K. Yoneyama, M.fujita, N.Sato, M.Fujiwara, Y.Inai, and F.Hasebe, 2008:Correction for Radiation Dry Bias Found in RS92 Radiosonde 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



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#### MR08-02

Ship Name: MIRAI

Period: 2008-05-26 - 2008-06-30

Chief Scientist: Kunio Yoneyama (JAMSTEC)

Project Name: [MJO Research]

Proposal ▶ Observational Study on the Air-Sea Interaction in the Tropical Western Pacific Ocean

Title:

#### Update History

2014-07-11	An observation data was registerd.
2014-06-13	An observation data was registerd.
2012-10-26	An observation data was registerd.

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[SHINKAI 6500](#)  
[DEEP TOW](#)  
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[URASHIMA](#)  
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[KM-ROV](#)  
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#### Go to a Cruise Information

Cruise ID:

#### Go to a Dive Information

Dive ID:

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JAPAN AGENCY FOR MARINE-EARTH SCIENCE AND TECHNOLOGY

国立研究開発法人  
海洋研究開発機構

## MIRAI MR08-02 Radiosonde

Last Modified: 2014-07-11

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

Cruise ID: **MR08-02**

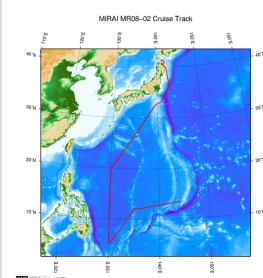
Radiosonde: Processed (DMO)-Corrected

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



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#### MR08-02

Ship Name: MIRAI

Period: 2008-05-26 - 2008-06-30

Chief Scientist: Kunio Yoneyama (JAMSTEC)

Project Name: [MJO Research]

Proposal ▶ Observational Study on the Air-Sea Interaction in the Tropical Western Pacific Ocean

Title:

### Update History

2014-07-11	An observation data was registerd.
2014-06-13	An observation data was registerd.
2012-10-26	An observation data was registerd.

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[SHINKAI 6500](#)  
[DEEP TOW](#)  
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[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 MR08-02 Radiosonde

Last Modified: 2014-07-11

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

Cruise ID: [MR08-02](#)

Radiosonde: Processed (DMO)-Corrected

Data Policy: [JAMSTEC](#)

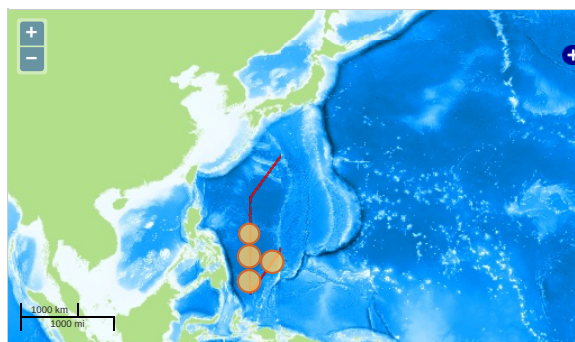
Observation Items: Atmospheric pressure, Air temperature, Dew point temperature, Relative humidity, Wind speed (zonal, meridional), Height

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.

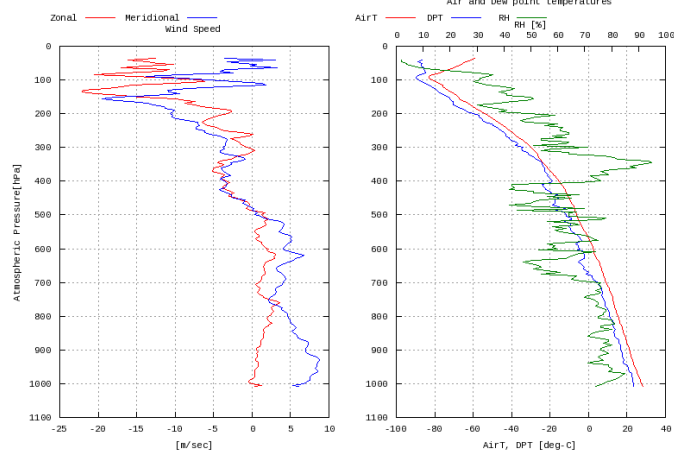


— ... Observation Line — ... Navigation ● ... Observation, Dive Point, Hole

### Figures

08060200

MR08-02: 08060200  
Radiosonde



### Data List

☐ File names

- ☐ 08060200.dat
- ☐ 08060203.dat
- ☐ 08060206.dat
- ☐ 08060209.dat
- ☐ 08060212.dat
- ☐ 08060215.dat
- ☐ 08060218.dat
- ☐ 08060221.dat
- ☐ 08060300.dat
- ☐ 08060303.dat
- ☐ 08060306.dat
- ☐ 08060309.dat
- ☐ 08060312.dat
- ☐ 08060315.dat

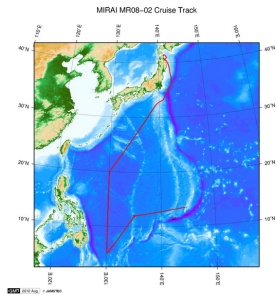
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#### Related Information



[Enlarge Image](#)

#### MR08-02

Ship Name: MIRAI  
Period: 2008-05-26 - 2008-06-30  
Chief Scientist: Kunio Yoneyama (JAMSTEC)  
Project Name: [MJO Research]  
Proposal ▶ Observational Study on the Air-Sea Interaction in the Tropical Western Pacific Ocean  
Title:

#### Update History

2014-07-11	An observation data was registerd.
2014-06-13	An observation data was registerd.
2012-10-26	An observation data was registerd.

#### JAMSTEC

Site Policy  
Privacy Policy  
Application for Data and Samples  
Data Policy  
What's New  
Update History  
Feeds

#### Lists

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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:

