

MIRAI MR14-05 Radiosonde

Last Modified: 2016-10-21

ReadMe Observation Data Data Format

Cruise ID: **MR14-05**

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/MR14-05_all.pdf

For Using Data

Principal Investigator

Data Management Office

Use Constraints

See [Terms and Conditions](#) about constrain of use.

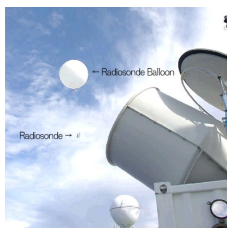
Data Citation

See [Terms and Conditions](#) about data citation.

Instrument

Instrument:

Radiosonde (MR11-03 - MR15-E01
Leg3)



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 humidity1[%]	Relative humidity2[%]	
14090118.dat	2014/09/01	17:30	58.53N	167.60W	J4223234	321	-0.06	-0.20	-0.07	-0.08	
14090200.dat	2014/09/01	23:30	59.73N	167.92W	J4223249	321	-0.10	-0.02	-0.21	-0.27	
14090206.dat	2014/09/02	05:30	60.91N	167.72W	J4223241	321	-0.06	-0.27	-0.07	-0.05	Drizzle
14090212.dat	2014/09/02	11:30	62.14N	167.37W	J4214894	322	-0.28	-0.24	-0.23	-0.24	
14090218.dat	2014/09/02	17:30	63.35N	167.63W	J4223237	322	-0.25	-0.21	-0.06	-0.11	
14090300.dat	2014/09/02	23:30	64.56N	168.42W	J4223221	322	-0.45	-0.22	-0.52	-0.53	
14090306.dat	2014/09/03	05:30	65.75N	168.76W	J4223236	322	-0.42	-0.17	-0.52	-0.56	
14090312.dat	2014/09/03	11:30	66.63N	168.82W	J4223213	322	-0.56	-0.23	-0.31	-0.33	
14090318.dat	2014/09/03	17:30	67.50N	168.83W	J4214893	324	-0.75	-0.15	-0.34	-0.35	
14090506.dat	2014/09/05	05:30	72.01N	158.58W	J4214892	325	-0.41	-0.23	-0.27	-0.23	GPS Lost; 11059-12050m
14090509.dat	2014/09/05	08:30	72.48N	159.76W	J4214891	325	-0.20	-0.29	-0.25	-0.24	Snow
14090512.dat	2014/09/05	11:30	72.94N	160.95W	J4214895	326	-0.49	-0.33	-0.26	-0.26	Snow
14090515.dat	2014/09/05	14:30	73.33N	162.00W	J4214897	326	-0.51	-0.29	-0.20	-0.20	Snow
14090518.dat	2014/09/05	17:30	73.61N	162.82W	J4223251	325	-0.74	-0.24	-0.15	-0.16	Snow
14090521.dat	2014/09/05	20:30	74.00N	164.01W	J4214898	326	-0.66	-0.24	-0.23	-0.16	
14090600.dat	2014/09/05	23:30	74.38N	163.00W	J4214907	326	-0.67	-0.23	-0.23	-0.27	Snow
14090603.dat	2014/09/06	02:30	74.53N	162.59W	J4223215	325	-0.57	-0.23	-0.10	-0.14	Snow
14090606.dat	2014/09/06	05:30	75.03N	161.26W	J4223243	325	-0.63	-0.22	-0.12	-0.08	Drizzle
14090609.dat	2014/09/06	08:30	75.09N	160.97W	J4223229	325	-1.11	-0.21	-0.12	-0.11	

	Launch time (UTC)	Latitude	Longitude	Sensor Information	Pressure	Temperature	Calibration result	Relative humidity	Relative humidity	Note	
Data File	Date	Time	Latitude	Longitude	Serial No.	Age	Atmospheric pressure[hPa]	Air temperature[deg. C]	Relative humidity1[%]		Relative humidity2[%]
14090612.dat	2014/09/06	11:30	74.56N	161.00W	J4214914	326	-0.22	-0.23	-0.27		-0.29
14090615.dat	2014/09/06	14:30	74.38N	161.00W	J4214886	327	-0.02	-0.26	-0.33		-0.26
14090618.dat	2014/09/06	17:30	74.75N	162.00W	J4223207	326	-1.05	-0.24	-0.18	-0.18	
14090621.dat	2014/09/06	20:30	74.75N	161.98W	J4223222	326	-0.45	-0.20	-0.18	-0.19	
14090700.dat	2014/09/06	23:30	74.74N	162.03W	J4223206	326	-0.91	-0.29	-0.19	-0.03	
14090703.dat	2014/09/07	02:30	74.76N	161.97W	J4214903	327	-0.48	-0.24	-0.22	-0.26	
14090706.dat	2014/09/07	05:30	74.75N	161.96W	J4214905	327	-0.44	-0.23	-0.24	-0.22	
14090709.dat	2014/09/07	08:30	74.75N	161.99W	J4214896	327	-0.95	-0.30	-0.22	-0.30	
14090712.dat	2014/09/07	11:30	74.75N	162.04W	J4214887	328	-0.70	-0.26	-0.31	-0.27	
14090715.dat	2014/09/07	14:30	74.76N	161.98W	J4214920	328	-0.06	-0.31	-0.28	-0.21	
14090718.dat	2014/09/07	17:30	74.75N	162.00W	J4214879	328	-0.98	-0.31	-0.29	-0.29	
14090721.dat	2014/09/07	20:30	74.73N	161.95W	J4214865	328	-0.80	-0.27	-0.25	-0.27	
14090800.dat	2014/09/07	23:30	74.80N	162.04W	J4214880	328	-0.44	-0.24	-0.27	-0.33	
14090803.dat	2014/09/08	02:30	74.75N	161.99W	J4223242	327	-0.28	-0.28	-0.13	-0.13	
14090806.dat	2014/09/08	05:30	74.76N	161.97W	J4223233	327	-0.58	-0.25	-0.14	-0.14	
14090809.dat	2014/09/08	08:30	74.74N	161.99W	J4214890	328	-0.63	-0.25	-0.28	-0.24	
14090812.dat	2014/09/08	11:30	74.74N	162.00W	J4214900	328	0.01	-0.22	-0.30	-0.37	
14090815.dat	2014/09/08	14:30	74.75N	161.97W	J4114058	336	-0.63	-0.25	-0.09	-0.08	
14090818.dat	2014/09/08	17:30	74.74N	162.01W	J4223214	328	-0.44	-0.24	-0.16	-0.18	
14090821.dat	2014/09/08	20:30	74.78N	161.95W	J4114025	336	-1.14	-0.23	-0.05	-0.01	
14090900.dat	2014/09/08	23:30	74.75N	161.99W	J4223230	328	-0.56	-0.34	-0.20	-0.20	
14090903.dat	2014/09/09	02:30	74.75N	161.99W	J4443297	312	1.25	-0.22	-0.44	-0.46	
14090906.dat	2014/09/09	05:30	74.74N	161.98W	J4424087	314	-0.19	-0.26	-0.30	-0.37	
14090909.dat	2014/09/09	08:30	74.75N	161.99W	J4424217	314	-0.43	-0.18	-0.22	-0.28	
14090912.dat	2014/09/09	11:30	74.74N	161.99W	J4424242	314	-0.39	-0.19	-0.28	-0.28	
14090915.dat	2014/09/09	14:30	74.75N	162.00W	J4424240	315	-0.46	-0.31	-0.26	-0.37	
14090918.dat	2014/09/09	17:30	74.75N	162.01W	J4424234	315	-0.35	-0.26	-0.27	-0.27	
14090921.dat	2014/09/09	20:30	74.76N	162.04W	J4424079	315	0.17	-0.27	-0.22	-0.24	
14091000.dat	2014/09/09	23:30	74.76N	162.02W	J4443313	313	-0.06	-0.21	-0.34	-0.34	
14091003.dat	2014/09/10	02:30	74.77N	162.01W	J4443301	313	-0.62	-0.27	-0.19	-0.19	
14091006.dat	2014/09/10	05:30	74.76N	162.04W	J4424248	315	-0.89	-0.24	-0.16	-0.20	
14091009.dat	2014/09/10	08:30	74.76N	162.09W	J4424252	315	0.13	-0.16	-0.21	-0.23	
14091012.dat	2014/09/10	11:30	74.75N	161.99W	J4113897	338	-0.23	-0.23	-0.23	-0.23	
14091015.dat	2014/09/10	14:30	74.77N	162.02W	J4424238	316	-0.30	-0.27	-0.24	-0.23	
14091018.dat	2014/09/10	17:30	74.77N	161.97W	J4424237	316	0.51	-0.15	-0.41	-0.45	
14091021.dat	2014/09/10	20:30	74.81N	162.00W	J4134734	336	-0.44	-0.42	-0.03	-0.04	
14091100.dat	2014/09/10	23:30	74.75N	161.98W	J4424241	316	-1.46	-0.11	-0.26	-0.29	
14091103.dat	2014/09/11	02:30	74.76N	162.00W	J4424085	316	0.61	-0.25	-0.21	-0.30	
14091106.dat	2014/09/11	05:30	74.75N	161.98W	J4124141	337	-0.61	-0.36	-0.17	-0.17	
14091109.dat	2014/09/11	08:30	74.78N	161.97W	J4124143	337	-0.56	-0.29	-0.12	-0.15	
14091112.dat	2014/09/11	11:30	74.73N	162.04W	J4113939	338	-0.26	-0.27	-0.18	-0.18	
14091115.dat	2014/09/11	14:30	74.77N	161.97W	J4124113	338	-0.86	-0.30	-0.14	-0.16	
14091118.dat	2014/09/11	17:30	74.82N	161.83W	J4153942	335	-0.39	-0.26	-0.21	1.16	
14091121.dat	2014/09/11	20:30	74.74N	161.95W	J4124147	338	0.21	-0.36	-0.18	-0.19	
14091200.dat	2014/09/11	23:30	74.74N	161.97W	J4033811	344	-0.49	-0.31	-0.11	-0.16	
14091203.dat	2014/09/12	02:30	74.75N	161.98W	J4424222	317	-0.55	-0.16	-0.21	-0.22	
14091206.dat	2014/09/12	05:30	74.76N	161.98W	J4424245	317	-0.05	-0.18	-0.19	-0.27	
14091209.dat	2014/09/12	08:30	74.79N	162.05W	J4424221	317	-0.28	-0.28	-0.22	-0.26	
14091212.dat	2014/09/12	11:30	74.75N	162.02W	J4124129	338	-0.37	-0.28	-0.18	-0.19	
14091215.dat	2014/09/12	14:30	74.78N	162.03W	J4153949	336	-1.09	-0.25	-0.23	-0.26	
14091218.dat	2014/09/12	17:30	74.75N	161.99W	J4134745	338	-0.26	-0.24	-0.12	-0.13	
14091221.dat	2014/09/12	20:30	74.79N	162.05W	J4024144	346	-0.34	-0.28	-0.09	-0.11	
14091300.dat	2014/09/12	23:30	74.75N	162.01W	J4124139	339	-0.74	-0.27	-0.11	-0.08	
14091303.dat	2014/09/13	02:30	74.75N	162.07W	J4134752	338	-0.52	-0.25	-0.08	-0.06	
14091306.dat	2014/09/13	05:30	74.75N	162.04W	J4424077	318	0.14	-0.24	-0.10	-0.11	
14091309.dat	2014/09/13	08:30	74.79N	162.09W	J4124140	339	-0.11	-0.23	-0.06	-0.07	
14091312.dat	2014/09/13	11:30	74.77N	162.03W	J4124134	340	-0.78	-0.23	-0.07	-0.09	
14091315.dat	2014/09/13	14:30	74.75N	162.03W	J4443310	317	-0.20	-0.20	-0.13	-0.14	
14091318.dat	2014/09/13	17:30	74.76N	162.02W	J4424074	319	0.33	-0.21	-0.22	-0.16	
14091321.dat	2014/09/13	20:30	74.79N	162.13W	J4443311	317	-0.41	-0.20	-0.17	-0.16	
14091400.dat	2014/09/13	23:30	74.75N	162.03W	J4443282	317	-0.43	-0.13	-0.15	-0.18	
14091403.dat	2014/09/14	02:30	74.75N	162.01W	J4424236	319	-1.10	-0.23	-0.19	-0.17	
14091406.dat	2014/09/14	05:30	74.75N	162.02W	J4443268	317	-1.09	-0.27	-0.36	-0.35	
14091409.dat	2014/09/14	08:30	74.75N	162.05W	J4113900	341	-0.17	-0.36	-0.15	-0.15	
14091412.dat	2014/09/14	11:30	74.63N	162.30W	J4424218	320	-0.40	-0.18	-0.19	-0.16	
14091415.dat	2014/09/14	14:30	74.77N	162.03W	J4424224	320	0.11	-0.19	-0.24	-0.29	
14091418.dat	2014/09/14	17:30	74.83N	161.79W	J4424075	320	0.09	-0.23	-0.25	-0.23	
14091421.dat	2014/09/14	20:30	74.81N	162.01W	J4443300	318	-0.12	-0.19	-0.24	-0.18	
14091500.dat	2014/09/14	23:30	74.75N	162.05W	J4443305	318	-1.26	-0.23	-0.41	-0.41	
14091503.dat	2014/09/15	02:30	74.76N	162.04W	J4424244	320	-0.94	-0.35	-0.32	-0.35	
14091506.dat	2014/09/15	05:30	74.75N	162.01W	J4443271	318	-0.66	-0.22	-0.29	-0.31	
14091509.dat	2014/09/15	08:30	74.81N	162.01W	J4424076	320	0.41	-0.25	-0.33	-0.29	
14091512.dat	2014/09/15	11:30	74.76N	162.02W	J4443312	318	0.48	-0.20	-0.20	-0.26	

File ID	Launch time (UTC)	Latitude	Longitude	Sensor information		Altitude (km)	Pressure (hPa)	Temperature (deg C)	Relative humidity1 [%]	Relative humidity2 [%]	Weather
14091515.dat	2014/09/15 14:30	74.76N	162.03W	J4424067	321	-0.04	-0.23	Calibration result	-0.30		
14091521.dat	2014/09/15 17:30	74.76N	162.03W	J4424067	321	-0.27	-0.18	Air	-0.29	-0.30	Note
14091600.dat	2014/09/15 23:30	74.75N	162.01W	J4424065	321	0.12	-0.28	C]	-0.29	-0.30	
14091603.dat	2014/09/16 02:30	74.77N	162.00W	J4443302	319	-0.19	-0.23		-0.22	-0.22	
14091606.dat	2014/09/16 05:30	74.76N	162.00W	J4424251	321	-0.65	-0.16		-0.24	-0.19	
14091609.dat	2014/09/16 08:30	74.80N	162.07W	J4424239	321	-0.46	-0.32		-0.14	-0.14	Snow
14091612.dat	2014/09/16 11:30	74.76N	162.01W	J4424219	322	-0.01	-0.16		-0.16	-0.20	
14091615.dat	2014/09/16 14:30	74.76N	162.01W	J4424223	322	-0.59	-0.20		-0.15	-0.13	
14091618.dat	2014/09/16 17:30	74.76N	162.03W	J4443306	320	-0.62	-0.13		-0.23	-0.24	
14091621.dat	2014/09/16 20:30	74.77N	162.04W	J4424086	322	-0.09	-0.23		-0.16	-0.24	
14091700.dat	2014/09/16 23:30	74.75N	162.01W	J4443307	320	-0.52	-0.28		-0.49	-0.51	
14091703.dat	2014/09/17 02:30	74.76N	162.03W	J4223491	336	-0.08	-0.18		-0.24	-0.26	
14091706.dat	2014/09/17 05:30	74.75N	162.01W	J4443303	320	-0.45	-0.15		-0.29	-0.28	
14091709.dat	2014/09/17 08:30	74.79N	162.09W	J4443273	320	-0.36	-0.16		-0.26	-0.27	
14091712.dat	2014/09/17 11:30	74.75N	162.00W	J4134743	342	0.36	-0.31		-0.15	-0.16	
14091715.dat	2014/09/17 14:30	74.76N	162.07W	J4134736	343	-0.31	-0.21		-0.14	-0.11	
14091718.dat	2014/09/17 17:30	74.76N	162.04W	J4124130	344	-0.58	-0.27		-0.14	-0.17	
14091721.dat	2014/09/17 20:30	74.79N	162.10W	J4124123	344	-0.36	-0.28		-0.16	-0.18	
14091800.dat	2014/09/17 23:30	74.75N	161.99W	J4153943	341	0.02	-0.26		-0.18	-0.24	
14091803.dat	2014/09/18 02:30	74.75N	162.01W	J4134741	343	-0.81	-0.27		-0.17	-0.11	
14091806.dat	2014/09/18 05:30	74.81N	161.85W	J4134739	343	-1.17	-0.34		-0.03	-0.03	Snow
14091809.dat	2014/09/18 08:30	74.77N	162.14W	J4134755	343	-0.38	-0.20		-0.12	-0.14	
14091812.dat	2014/09/18 11:30	74.72N	162.09W	J4443309	322	-0.24	-0.30		-0.19	-0.17	
14091815.dat	2014/09/18 14:30	74.76N	162.08W	J4443314	322	-0.70	-0.20		-0.23	-0.20	Snow
14091818.dat	2014/09/18 17:30	74.80N	162.04W	J4443299	322	-0.03	-0.20		-0.17	-0.20	Snow
14091821.dat	2014/09/18 20:30	74.78N	162.09W	J4443298	322	-0.66	-0.21		-0.25	-0.24	Fog
14091900.dat	2014/09/18 23:30	74.77N	161.95W	J4124135	345	-1.98	-0.31		-0.21	-0.23	
14091903.dat	2014/09/19 02:30	74.76N	162.03W	J4443308	322	-0.41	-0.18		-0.26	-0.27	
14091906.dat	2014/09/19 05:30	74.75N	161.92W	J4143003	343	-1.17	-0.34		-0.03	-0.03	
14091909.dat	2014/09/19 08:30	74.79N	162.20W	J4134742	344	-0.69	-0.24		-0.17	-0.15	
14091912.dat	2014/09/19 11:30	74.75N	161.98W	J4134737	344	-0.43	-0.23		-0.22	-0.23	
14091915.dat	2014/09/19 14:30	74.78N	161.92W	J4134763	345	-0.90	-0.24		-0.20	-0.20	
14091918.dat	2014/09/19 17:30	74.76N	161.86W	J4134772	345	-0.58	-0.22		-0.27	-0.25	
14091921.dat	2014/09/19 20:30	74.80N	162.03W	J4134733	345	-0.64	-0.24		-0.19	-0.23	
14092000.dat	2014/09/19 23:30	74.75N	161.94W	J4134760	345	-1.06	-0.24		-0.33	-0.33	
14092003.dat	2014/09/20 02:30	74.77N	161.97W	J4134768	345	-0.08	-0.29		-0.30	-0.31	
14092006.dat	2014/09/20 05:30	74.73N	161.98W	J4124151	346	-1.29	-0.26		-0.20	-0.22	
14092009.dat	2014/09/20 08:30	74.78N	162.11W	J4433916	324	-0.87	-0.33		-0.21	-0.24	
14092012.dat	2014/09/20 11:30	74.76N	162.02W	J4124142	346	-1.29	-0.28		-0.23	-0.22	
14092015.dat	2014/09/20 14:30	74.76N	162.01W	J4134769	346	-0.84	-0.23		-0.21	-0.21	
14092018.dat	2014/09/20 17:30	74.76N	162.00W	J4433950	325	-0.38	-0.29		-0.24	-0.22	
14092021.dat	2014/09/20 20:30	74.70N	161.99W	J4134753	346	-0.68	-0.24		-0.19	-0.21	
14092100.dat	2014/09/20 23:30	74.74N	162.08W	J4134744	346	-0.16	-0.18		-0.26	-0.26	
14092103.dat	2014/09/21 02:30	74.75N	162.01W	J4134731	346	-0.42	-0.25		-0.28	-0.29	
14092106.dat	2014/09/21 05:30	74.74N	162.00W	J4124115	347	-0.40	-0.27		-0.20	-0.21	
14092109.dat	2014/09/21 08:30	74.77N	162.13W	J4134757	346	-0.43	-0.19		-0.26	-0.39	
14092112.dat	2014/09/21 11:30	74.75N	162.04W	J4134762	346	-0.59	-0.23		-0.14	-0.15	
14092115.dat	2014/09/21 14:30	74.75N	162.01W	J4134771	347	-0.81	-0.25		-0.16	-0.14	
14092118.dat	2014/09/21 17:30	74.74N	162.01W	J4124136	348	-0.39	-0.22		-0.19	-0.20	
14092121.dat	2014/09/21 20:30	74.75N	162.03W	J4124122	348	-1.23	-0.27		-0.20	-0.22	
14092200.dat	2014/09/21 23:30	74.75N	162.02W	J4134758	347	-0.41	-0.15		-0.44	-0.44	Fog
14092203.dat	2014/09/22 02:30	74.76N	161.99W	J4134761	347	-0.35	-0.26		-0.35	-0.36	Snow
14092206.dat	2014/09/22 05:30	74.75N	161.99W	J4143032	346	-0.45	-0.37		-0.18	-0.08	Snow
14092209.dat	2014/09/22 08:30	74.71N	162.01W	J4134750	347	-0.18	-0.22		-0.23	-0.25	Snow
14092212.dat	2014/09/22 11:30	74.75N	162.00W	J4134749	348	-0.78	-0.22		-0.16	-0.13	Snow
14092215.dat	2014/09/22 14:30	74.75N	162.03W	J4124119	349	-1.06	-0.23		-0.20	-0.19	
14092218.dat	2014/09/22 17:30	74.74N	161.98W	J4134774	348	-0.69	-0.19		-0.26	-0.26	Fog
14092221.dat	2014/09/22 20:30	74.72N	162.00W	J4134767	348	-0.30	-0.23		-0.26	-0.25	Fog, Snow
14092300.dat	2014/09/22 23:30	74.75N	162.00W	J4134756	348	-0.32	-0.17		-0.23	-0.23	
14092303.dat	2014/09/23 02:30	74.76N	162.01W	J4134765	348	-0.29	-0.21		-0.40	-0.44	
14092306.dat	2014/09/23 05:30	74.76N	162.00W	J4213455	343	-0.53	-0.28		-0.15	-0.15	
14092309.dat	2014/09/23 08:30	74.73N	161.93W	J4213512	343	0.04	-0.32		-0.20	-0.22	Snow
14092312.dat	2014/09/23 11:30	74.75N	162.01W	J4213508	344	-0.63	-0.28		-0.16	-0.18	Snow
14092315.dat	2014/09/23 14:30	74.75N	161.97W	J4213491	344	-0.40	-0.29		-0.17	-0.18	Snow
14092318.dat	2014/09/23 17:30	74.76N	161.96W	J4214541	344	-0.58	-0.19		-0.47	-0.50	
14092321.dat	2014/09/23 20:30	74.73N	162.14W	J4223231	343	-0.82	-0.22		-0.58	-0.60	
14092400.dat	2014/09/23 23:30	74.75N	162.00W	J4214543	344	-0.48	-0.22		-0.59	-0.60	
14092403.dat	2014/09/24 02:30	74.75N	162.05W	J4223228	343	-0.94	-0.27		-0.34	-0.35	
14092406.dat	2014/09/24 05:30	74.76N	161.99W	J4114026	351	-0.86	-0.21		-0.27	-0.29	
14092409.dat	2014/09/24 08:30	74.75N	162.11W	J4223235	343	-1.34	-0.26		-0.32	-0.34	
14092412.dat	2014/09/24 11:30	74.74N	162.01W	J4114036	352	-0.96	-0.25		-0.26	-0.27	

14092415.dat	2014/09/24	17:30	74.76N	162.01W	J4114057	352	-1.12	-0.24	-0.26	-0.28	
14092418.dat	2014/09/24	17:30	74.75N	162.09W	J4114058	352	-1.06	-0.23	-0.29	-0.32	
14092421.dat	2014/09/24	20:30	74.72N	162.22W	J4114057	352	-0.67	-0.25	-0.33	-0.38	Note
14092500.dat	2014/09/24	23:30	74.75N	161.99W	J4213476	345	-1.50	-0.34	-0.26	-0.26	
14092503.dat	2014/09/25	02:30	74.65N	162.25W	J4014194	359	-0.37	-0.25	-0.25	-0.29	Fog, Snow
14092506.dat	2014/09/25	05:30	74.38N	163.01W	J3924730	365	-0.35	-0.24	-0.30	-0.28	
14092509.dat	2014/09/25	08:30	74.00N	164.00W	J4113511	352	-0.46	-0.16	-0.23	-0.33	
14092512.dat	2014/09/25	11:30	73.78N	165.38W	J4114051	352	-1.08	-0.22	-0.24	-0.28	
14092515.dat	2014/09/25	14:30	73.50N	166.98W	J4114035	353	-0.94	-0.26	-0.21	-0.25	
14092518.dat	2014/09/25	17:30	73.11N	167.77W	J4114040	353	-0.83	-0.29	-0.29	-0.32	
14092521.dat	2014/09/25	20:30	72.75N	168.25W	J4114049	353	-1.03	-0.24	-0.28	-0.29	
14092600.dat	2014/09/25	23:30	72.60N	168.25W	J4213496	346	-0.82	-0.23	-0.17	-0.16	
14092603.dat	2014/09/26	02:30	72.75N	168.24W	J4113503	353	0.02	-0.27	-0.33	-0.33	
14092606.dat	2014/09/26	05:30	72.79N	168.13W	J4114041	353	-0.67	-0.21	-0.26	-0.26	
14092609.dat	2014/09/26	08:30	72.75N	168.23W	J4113504	353	-0.57	-0.27	-0.30	-0.31	Snow
14092612.dat	2014/09/26	11:30	72.76N	168.24W	J4114043	354	-1.03	-0.33	-0.26	-0.27	
14092615.dat	2014/09/26	14:30	72.73N	168.23W	J4113512	354	-0.76	-0.19	-0.22	-0.23	
14092618.dat	2014/09/26	17:30	72.27N	168.62W	J4114050	354	0.03	-0.21	-0.28	-0.30	
14092621.dat	2014/09/26	20:30	72.08N	168.83W	J4213505	347	-0.66	-0.33	-0.20	-0.21	
14092700.dat	2014/09/26	23:30	71.61N	168.83W	J4213504	347	-0.48	-0.33	-0.20	-0.19	
14092703.dat	2014/09/27	02:30	71.04N	168.83W	J4213494	347	-0.29	-0.25	-0.14	-0.20	Drizzle
14092706.dat	2014/09/27	05:30	70.55N	168.81W	J4213506	347	-0.51	-0.31	-0.19	-0.18	Fog
14092709.dat	2014/09/27	08:30	70.00N	168.82W	J4223247	346	-1.30	-0.25	-0.27	-0.32	Fog
14092712.dat	2014/09/27	11:30	69.45N	168.82W	J4213479	348	-0.05	-0.26	-0.40	-0.36	
14092715.dat	2014/09/27	14:30	69.14N	168.82W	J4213510	348	-0.51	-0.24	-0.26	-0.24	
14092718.dat	2014/09/27	17:30	68.98N	168.76W	J4214912	348	-0.39	-0.22	-0.49	-0.51	
14092721.dat	2014/09/27	20:30	68.54N	168.79W	J4214869	348	-0.79	-0.25	-0.46	-0.53	Drizzle
14092800.dat	2014/09/27	23:30	68.01N	168.83W	J4214871	348	-0.01	-0.22	-0.50	-0.43	
14092803.dat	2014/09/28	02:30	67.63N	168.82W	J4123979	354	-0.79	-0.30	-0.23	-0.16	
14092806.dat	2014/09/28	05:30	67.09N	168.78W	J4223240	347	-0.31	-0.23	-0.29	-0.28	
14092809.dat	2014/09/28	08:30	66.59N	168.80W	J4124000	354	-0.94	-0.27	-0.01	-0.01	Drizzle
14092812.dat	2014/09/28	11:30	66.06N	168.78W	J4123990	354	-1.14	-0.26	-0.03	-0.05	Drizzle
14092818.dat	2014/09/28	17:30	65.14N	169.51W	J4214858	349	-0.60	-0.13	-0.23	-0.20	
14092900.dat	2014/09/28	23:30	64.18N	171.57W	J4214874	349	-0.77	-0.20	-0.12	-0.16	
14092906.dat	2014/09/29	05:30	63.28N	173.07W	J4214877	349	-0.47	-0.32	-0.16	-0.22	
14092912.dat	2014/09/29	11:30	62.24N	174.51W	J4123995	356	-1.06	-0.21	-0.06	-0.07	
14092918.dat	2014/09/29	17:30	61.16N	175.98W	J4214883	350	-0.60	-0.13	-0.23	-0.20	
14093000.dat	2014/09/29	23:30	60.09N	177.37W	J4214870	350	-0.77	-0.20	-0.12	-0.16	
14093006.dat	2014/09/30	05:30	58.97N	178.86W	J4123982	356	-0.47	-0.32	-0.16	-0.22	
14093012.dat	2014/09/30	11:30	57.94N	179.41E	J4124007	356	-0.42	-0.39	-0.07	-0.08	
14093018.dat	2014/09/30	17:30	56.96N	177.82E	J4214861	351	-0.33	-0.12	-0.20	-0.24	
14100100.dat	2014/09/30	23:30	55.85N	176.05E	J4124008	357	-0.82	-0.24	-0.02	-0.05	
14100106.dat	2014/10/01	05:30	54.90N	174.58E	J4123988	357	-0.55	-0.17	-0.01	-0.08	
14100112.dat	2014/10/01	11:30	53.90N	173.09E	J4123978	358	-0.91	-0.18	-0.05	-0.08	
14100118.dat	2014/10/01	17:30	52.93N	171.77E	J4123991	358	-0.30	-0.17	-0.02	-0.02	Rain
14100200.dat	2014/10/01	23:30	51.94N	170.94E	J4214876	352	-0.24	-0.27	-0.21	-0.23	
14100206.dat	2014/10/02	05:30	50.95N	170.10E	J4124004	358	-0.81	-0.19	-0.07	-0.05	
14100212.dat	2014/10/02	11:30	50.05N	169.35E	J4123999	358	-0.57	-0.22	-0.05	-0.04	
14100218.dat	2014/10/02	17:30	49.11N	168.58E	J4124002	359	-0.17	-0.26	-0.02	-0.02	
14100300.dat	2014/10/02	23:30	48.05N	167.74E	J4214882	353	-0.71	-0.20	-0.16	-0.19	
14100306.dat	2014/10/03	05:30	47.25N	167.05E	J4123997	359	-0.73	-0.19	0.00	-0.03	
14100312.dat	2014/10/03	11:30	46.23N	166.30E	J4214875	354	-0.17	-0.21	-0.19	-0.19	
14100318.dat	2014/10/03	17:30	45.79N	165.81E	J4124001	360	-0.72	-0.26	-0.05	-0.06	
14100400.dat	2014/10/03	23:30	45.17N	164.79E	J4223030	353	-0.38	-0.24	-0.40	-0.39	Fog
14100406.dat	2014/10/04	05:30	45.59N	163.60E	J4123984	360	0.19	-0.20	0.03	0.05	Rain
14100412.dat	2014/10/04	11:30	45.09N	162.11E	J4214873	354	-0.30	-0.21	-0.24	-0.21	Drizzle
14100418.dat	2014/10/04	17:30	44.64N	160.74E	J4214878	355	-0.64	-0.28	-0.25	-0.26	
14100500.dat	2014/10/04	23:30	44.20N	159.44E	J4214889	355	-0.68	-0.22	-0.13	-0.20	
14100506.dat	2014/10/05	05:30	43.92N	158.55E	J4214862	355	-0.24	-0.15	-0.10	-0.06	
14100512.dat	2014/10/05	11:30	43.63N	157.65E	J4123986	362	-0.78	-0.18	0.05	0.02	
14100518.dat	2014/10/05	17:30	43.31N	156.66E	J4214773	356	-0.27	-0.15	-0.15	-0.18	
14100600.dat	2014/10/05	23:30	42.93N	155.54E	J4214734	356	-0.85	-0.21	-0.11	-0.09	
14100603.dat	2014/10/06	02:30	42.70N	154.90E	J4214627	356	-0.14	-0.10	-0.03	-0.04	
14100606.dat	2014/10/06	05:30	42.46N	154.23E	J4214781	356	0.13	-0.23	-0.10	-0.10	
14100609.dat	2014/10/06	08:30	42.22N	153.50E	J4214743	356	-0.75	-0.27	-0.08	-0.14	Drizzle
14100612.dat	2014/10/06	11:30	41.91N	152.68E	J4214750	356	-0.71	-0.28	-0.19	-0.17	Rain, Max;3349m
14100613.dat	2014/10/06	12:30	41.85N	152.47E	J4214618	357	-0.70	-0.21	0.01	-0.02	Rain, Max;3565m
14100615.dat	2014/10/06	14:30	41.72N	152.05E	J4223044	356	0.10	-0.28	-1.55	-1.51	Rain, Max;3467m
14100618.dat	2014/10/06	17:30	41.45N	151.29E	J4214620	357	-0.26	-0.24	-0.08	-0.06	
14100621.dat	2014/10/06	20:30	41.20N	150.58E	J4214611	357	-0.34	-0.27	-0.08	-0.09	
14100700.dat	2014/10/06	23:30	40.98N	149.96E	J4223063	356	-0.94	-0.19	-0.53	-0.56	
14100706.dat	2014/10/07	05:30	40.32N	148.87E	J4214759	357	-0.38	-0.21	-0.18	-0.19	
14100712.dat	2014/10/07	11:30	39.58N	147.87E	J4214608	356	-0.10	-0.14	-0.20	-0.20	GPS Lost;14616-

14100712.dat	2014/10/07 11:30	39.56N	147.67E	J4214602	358	0.13		-0.14	-0.06	-0.06	15599m
Launch time (UTC)	Launch station	Sensor information		Calibration result							
14100712.dat	2014/10/07 17:30	38.85N	146.50E	J4214771	358	-0.24	-0.15	Air	-0.10	-0.13	GPS
Date	Time	Latitude	Longitude	Serial No.	Age	Atmospheric pressure[hPa]		temperature[deg-C]	Relative Humidity1[%]	Relative Humidity2[%]	Note
14100800.dat	2014/10/07 23:30	38.12N	143.33E	J4214610	399	-0.31	-0.28				Lost;17064m-
											Max;13530m

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: DigiCORAlll, MW31(after 2011 Apr.) [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

MR14-05

Ship Name: MIRAI

Period: 2014-08-31 - 2014-10-10

Chief Scientist: Jun Inoue (JAMSTEC)

Project Name: [Arctic Ocean Climate System Reaserch]

Proposal ▶ Predictability study of Arctic cyclones

Title:

Update History

2016-10-21	An observation data was registered.
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HAKUHO MARU

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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

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Go

Go to a Dive Information

Dive ID:

Go

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海洋研究開発機構

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MIRAI MR14-05 Radiosonde

Last Modified: 2016-10-21

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

Cruise ID: [MR14-05](#)

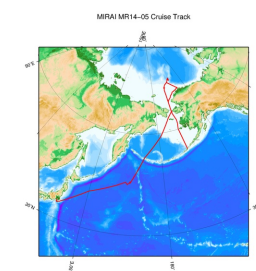
Radiosonde: Processed (DMO)-Corrected

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](#)

MR14-05

Ship Name: MIRAI

Period: 2014-08-31 - 2014-10-10

Chief Scientist: Jun Inoue (JAMSTEC)

Project Name: [Arctic Ocean Climate System Research]

Proposal ▶ Predictability study of Arctic cyclones

Title:

Update History

2016-10-21 An observation data was registered.

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Go to a Dive Information

Dive ID:

MIRAI MR14-05 Radiosonde

Last Modified: 2016-10-21

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Cruise ID: [MR14-05](#)

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

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

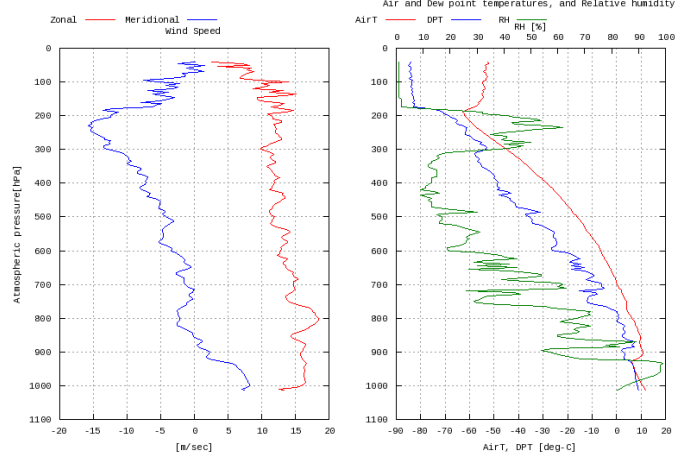


Imagery reproduced from ...

Figures

14090118

MR14-05: 14090118
Radiosonde



Data List

☐ File names

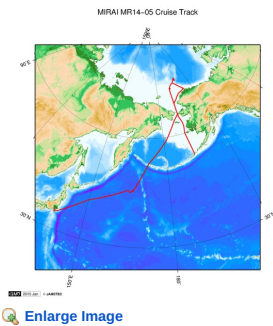
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Related Information



MR14-05

Ship Name: MIRAI
 Period: 2014-08-31 - 2014-10-10
 Chief Scientist: Jun Inoue (JAMSTEC)
 Project Name: [Arctic Ocean Climate System Reaserch]
 Proposal ▶ Predictability study of Arctic cyclones
 Title:

Update History

2016-10-21	An observation data was registerd.
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JAMSTEC

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 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:

