

## MIRAI MR18-05C Radiosonde

Last Modified: 2019-05-31

ReadMe Observation Data Data Format

Cruise ID: **MR18-05C**

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/MR18-05C\\_all.pdf](http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR18-05C_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 (MR15-01 - )



### 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 (however, RS41 sonde sensor has only one humidity sensor and is not necessary to calibrate temperature sensor). 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	Type	Serial No.	Age	Atmospheric pressure [hPa]	Air temperature [deg-C]	Relative humidity1 [%]	Relative humidity2 [%]	
18102612.dat	2018/10/26	11:30	40.22N	148.69E	RS41-SGP	M4430435	730	1.22	N/A	0.2	N/A	
18102700.dat	2018/10/26	23:30	41.08N	151.42E	RS41-SGP	M4430436	730	0.66	N/A	0.4	N/A	
18102712.dat	2018/10/27	11:30	42.62N	153.96E	RS41-SGP	N0230280	661	0.82	N/A	0.3	N/A	
18102800.dat	2018/10/27	23:30	44.16N	156.47E	RS41-SGP	N0230291	661	0.40	N/A	0.3	N/A	
18102812.dat	2018/10/28	11:30	45.67N	159.03E	RS41-SGP	M4430437	732	1.26	N/A	0.3	N/A	
18102900.dat	2018/10/28	23:30	47.15N	161.65E	RS41-SGP	N0230284	662	0.76	N/A	0.3	N/A	
18102912.dat	2018/10/29	11:52	47.93N	162.96E	RS41-SGP	N0230287	663	0.39	N/A	0.2	N/A	
18103000.dat	2018/10/29	23:29	49.50N	165.47E	RS41-SGP	M4830606	705	1.09	N/A	0.3	N/A	
18103012.dat	2018/10/30	11:31	51.22N	168.31E	RS41-SGP	N0230286	664	0.61	N/A	0.3	N/A	
18103100.dat	2018/10/30	23:29	53.03N	171.01E	RS41-SGP	N0230285	664	0.73	N/A	0.3	N/A	
18103112.dat	2018/10/31	11:30	55.03N	173.66E	RS41-SGP	N0230288	665	0.47	N/A	0.2	N/A	
18110100.dat	2018/10/31	23:29	57.01N	176.46E	RS41-SGP	N0230283	665	0.81	N/A	0.3	N/A	
18110112.dat	2018/11/01	11:31	58.79N	179.71E	RS41-SGP	N0230282	666	1.00	N/A	0.3	N/A	
18110200.dat	2018/11/01	23:30	60.41N	177.23W	RS41-SGP	M4830601	708	0.70	N/A	0.1	N/A	
18110212.dat	2018/11/02	11:28	62.11N	175.10W	RS41-SGP	M4830485	709	1.12	N/A	0.2	N/A	
18110300.dat	2018/11/02	23:30	63.30N	173.07W	RS41-SGP	M4830483	709	1.38	N/A	0.3	N/A	
18110312.dat	2018/11/03	11:30	64.73N	169.91W	RS41-SGP	M4830484	710	1.17	N/A	0.3	N/A	Max;14574m
18110400.dat	2018/11/03	23:30	65.55N	168.50W	RS41-SGP	M4830492	710	1.66	N/A	0.1	N/A	
18110406.dat	2018/11/04	05:30	66.60N	168.75W	RS41-SGP	M4830477	711	1.15	N/A	0.3	N/A	
18110412.dat	2018/11/04	11:25	67.67N	168.92W	RS41-SGP	M4830486	711	1.11	N/A	0.3	N/A	
18110418.dat	2018/11/04	17:30	68.10N	167.31W	RS41-SGP	M4830481	711	1.12	N/A	0.3	N/A	

18110418.dat	2018/11/04	17:30	68.13N	167.31W	RS41-SGP	M4550091	711	1.12	N/A	0.3	N/A	
Launch time (UTC)	Launch station				Sensor information				Calibration result			
18110500.dat	2018/11/04	23:50	68.65N	168.72W	RS41-SGP	N0230281	669	0.68	N/A	0.3	N/A	Note
Data file								Atmospheric	Air	Relative	Relative	
18110506.dat	2018/11/05	05:30	68.68N	168.73W	RS41-SGP	M4550094	714	1.43	N/A	0.8	N/A	
								pressure	Temperature	Humidity1	Humidity2	
18110512.dat	2018/11/05	11:29	70.64N	168.75W	RS41-SGP	M4830489	712	0.72	N/A	0.2	N/A	
18110518.dat	2018/11/05	17:30	71.75N	168.72W	RS41-SGP	M4430438	740	1.40	N/A	0.3	N/A	
18110600.dat	2018/11/05	23:30	72.85N	168.73W	RS41-SGP	M4620097	727	1.12	N/A	0.3	N/A	Graupel
18110606.dat	2018/11/06	05:30	73.00N	166.88W	RS41-SGP	M4830624	713	0.88	N/A	0.2	N/A	Drizzle,Sleet
18110612.dat	2018/11/06	11:29	73.00N	163.08W	RS41-SGP	M4830605	713	0.95	N/A	0.3	N/A	
18110618.dat	2018/11/06	17:30	73.03N	159.91W	RS41-SGP	M4830478	713	1.36	N/A	0.2	N/A	
18110702.dat	2018/11/07	01:31	73.24N	159.45W	RS41-SGP	M4830482	714	0.82	N/A	0.3	N/A	Max;15434m
18110706.dat	2018/11/07	05:30	73.35N	161.38W	RS41-SGP	M4830476	714	1.09	N/A	0.3	N/A	Snow
18110712.dat	2018/11/07	11:30	74.00N	164.00W	RS41-SGP	M4830475	714	1.16	N/A	0.2	N/A	Snow,Drizzle
18110718.dat	2018/11/07	17:30	73.21N	162.81W	RS41-SGP	M4830479	714	0.88	N/A	0.3	N/A	
18110800.dat	2018/11/07	23:31	72.53N	160.10W	RS41-SGP	M4830480	714	1.25	N/A	0.2	N/A	Graupel
18110806.dat	2018/11/08	05:30	72.00N	158.53W	RS41-SGP	M4830496	715	1.14	N/A	0.3	N/A	
18110812.dat	2018/11/08	11:30	72.34N	161.35W	RS41-SGP	M4550088	734	1.29	N/A	0.4	N/A	
18110818.dat	2018/11/08	17:30	73.00N	163.99W	RS41-SGP	N0230138	673	0.94	N/A	0.3	N/A	Snow
18110900.dat	2018/11/08	23:30	72.18N	162.71W	RS41-SGP	M4430388	743	1.38	N/A	0.3	N/A	Snow
18110906.dat	2018/11/09	05:30	72.09N	164.34W	RS41-SGP	N0230275	674	0.82	N/A	0.3	N/A	
18110912.dat	2018/11/09	11:30	72.74N	162.98W	RS41-SGP	M4550086	735	1.34	N/A	0.3	N/A	Snow
18110918.dat	2018/11/09	17:30	72.75N	163.02W	RS41-SGP	N0230272	674	0.88	N/A	0.3	N/A	Snow
18111000.dat	2018/11/09	23:30	73.30N	160.92W	RS41-SGP	N0230273	674	0.70	N/A	0.3	N/A	Snow
18111006.dat	2018/11/10	05:30	72.75N	162.99W	RS41-SGP	M4550090	736	0.83	N/A	0.3	N/A	Snow
18111009.dat	2018/11/10	08:30	72.50N	164.00W	RS41-SGP	M4550092	736	1.21	N/A	0.3	N/A	Snow
18111012.dat	2018/11/10	11:30	72.25N	164.99W	RS41-SGP	M4550093	736	1.58	N/A	0.3	N/A	Snow
18111018.dat	2018/11/10	17:30	72.77N	162.96W	RS41-SGP	N0230293	675	0.54	N/A	0.3	N/A	Snow
18111100.dat	2018/11/10	23:30	73.16N	161.50W	RS41-SGP	N0230294	675	0.97	N/A	0.3	N/A	Snow
18111106.dat	2018/11/11	05:30	72.77N	162.95W	RS41-SGP	N0230274	676	0.56	N/A	0.4	N/A	Snow
18111109.dat	2018/11/11	08:30	72.50N	163.99W	RS41-SGP	N0230292	676	0.52	N/A	0.3	N/A	
18111112.dat	2018/11/11	11:30	72.25N	165.00W	RS41-SGP	N0230289	676	0.51	N/A	0.3	N/A	Snow
18111118.dat	2018/11/11	17:30	72.76N	163.03W	RS41-SGP	M4550087	737	1.42	N/A	0.3	N/A	Snow
18111121.dat	2018/11/11	20:30	73.09N	161.63W	RS41-SGP	M4550091	737	1.14	N/A	0.3	N/A	Snow
18111200.dat	2018/11/11	23:30	72.95N	162.20W	RS41-SGP	N0230290	676	0.67	N/A	0.3	N/A	
18111206.dat	2018/11/12	05:30	72.30N	164.81W	RS41-SGP	M4020139	776	1.36	N/A	0.4	N/A	Snow
18111212.dat	2018/11/12	11:30	72.25N	165.00W	RS41-SGP	P0830372	264	0.85	N/A	0.3	N/A	Snow
18111218.dat	2018/11/12	17:30	72.75N	162.99W	RS41-SGP	P0830354	264	0.78	N/A	0.3	N/A	Snow
18111221.dat	2018/11/12	20:30	73.07N	161.80W	RS41-SGP	P0830361	264	0.71	N/A	0.3	N/A	
18111300.dat	2018/11/12	23:30	72.94N	162.21W	RS41-SGP	P0830366	264	0.82	N/A	0.2	N/A	
18111306.dat	2018/11/13	05:30	72.28N	164.88W	RS41-SGP	P0830370	265	0.64	N/A	0.3	N/A	Snow
18111312.dat	2018/11/13	11:30	72.24N	164.99W	RS41-SGP	P0830371	265	0.71	N/A	0.3	N/A	Snow
18111318.dat	2018/11/13	17:30	72.75N	163.02W	RS41-SGP	P0830369	265	0.72	N/A	0.4	N/A	Snow
18111321.dat	2018/11/13	20:30	73.05N	161.80W	RS41-SGP	P0830352	265	0.75	N/A	0.3	N/A	
18111400.dat	2018/11/13	23:30	73.00N	162.00W	RS41-SGP	P0920071	259	0.78	N/A	0.3	N/A	
18111406.dat	2018/11/14	05:30	72.33N	164.68W	RS41-SGP	P0830363	266	0.76	N/A	0.3	N/A	Snow
18111412.dat	2018/11/14	11:30	72.25N	164.97W	RS41-SGP	P0830384	266	0.63	N/A	0.2	N/A	Snow
18111418.dat	2018/11/14	17:31	72.74N	162.99W	RS41-SGP	P0830349	266	0.69	N/A	0.3	N/A	Drizzle
18111421.dat	2018/11/14	20:30	73.06N	161.75W	RS41-SGP	P0830358	266	0.80	N/A	0.3	N/A	
18111500.dat	2018/11/14	23:30	73.10N	161.62W	RS41-SGP	P0830351	266	0.84	N/A	0.3	N/A	
18111503.dat	2018/11/15	02:30	72.90N	162.37W	RS41-SGP	M4620083	737	1.17	N/A	0.3	N/A	
18111506.dat	2018/11/15	05:30	72.65N	163.38W	RS41-SGP	P0830367	267	0.65	N/A	0.2	N/A	Snow
18111512.dat	2018/11/15	11:30	72.03N	165.89W	RS41-SGP	P0830376	267	0.58	N/A	0.3	N/A	
18111518.dat	2018/11/15	17:30	72.73N	163.03W	RS41-SGP	P0850059	265	1.05	N/A	0.1	N/A	
18111521.dat	2018/11/15	20:30	73.05N	161.85W	RS41-SGP	P0830390	267	0.89	N/A	0.3	N/A	
18111600.dat	2018/11/15	23:30	73.00N	161.99W	RS41-SGP	P0830381	267	0.75	N/A	0.3	N/A	Snow
18111606.dat	2018/11/16	05:30	72.38N	164.46W	RS41-SGP	P0830383	268	0.70	N/A	0.3	N/A	Snow
18111612.dat	2018/11/16	11:30	72.25N	165.04W	RS41-SGP	P0830359	268	0.52	N/A	0.4	N/A	
18111618.dat	2018/11/16	17:30	72.75N	163.02W	RS41-SGP	P0830377	268	0.82	N/A	0.3	N/A	
18111621.dat	2018/11/16	20:30	73.00N	162.09W	RS41-SGP	P0830392	268	0.64	N/A	0.3	N/A	
18111700.dat	2018/11/16	23:29	72.81N	162.76W	RS41-SGP	P0830375	268	0.86	N/A	0.3	N/A	
18111706.dat	2018/11/17	05:30	72.18N	165.30W	RS41-SGP	P0830374	269	0.73	N/A	0.3	N/A	Graupel
18111712.dat	2018/11/17	11:30	71.99N	166.07W	RS41-SGP	P0830365	269	0.84	N/A	0.3	N/A	
18111718.dat	2018/11/17	17:30	72.71N	163.17W	RS41-SGP	P0830362	269	0.77	N/A	0.3	N/A	Snow
18111721.dat	2018/11/17	20:30	73.05N	161.84W	RS41-SGP	P0830364	269	0.85	N/A	0.3	N/A	
18111800.dat	2018/11/17	23:30	73.05N	161.85W	RS41-SGP	P0830379	269	0.50	N/A	0.3	N/A	
18111806.dat	2018/11/18	05:30	72.43N	164.27W	RS41-SGP	P0830368	270	0.59	N/A	0.3	N/A	
18111812.dat	2018/11/18	11:30	71.75N	167.00W	RS41-SGP	P0830356	270	0.66	N/A	0.3	N/A	
18111818.dat	2018/11/18	17:30	72.45N	164.21W	RS41-SGP	P0830393	270	0.68	N/A	0.3	N/A	
18111900.dat	2018/11/18	23:30	73.10N	161.65W	RS41-SGP	P0830391	270	0.69	N/A	0.3	N/A	
18111906.dat	2018/11/19	05:30	72.48N	164.07W	RS41-SGP	P0830406	271	0.83	N/A	0.3	N/A	
18111912.dat	2018/11/19	11:31	71.77N	166.92W	RS41-SGP	P0810332	273	0.49	N/A	0.3	N/A	
18111918.dat	2018/11/19	17:30	72.42N	164.38W	RS41-SGP	P0830405	271	0.58	N/A	0.3	N/A	Snow
18112000.dat	2018/11/19	23:30	73.02N	162.00W	RS41-SGP	P0830400	271	0.58	N/A	0.3	N/A	
18112006.dat	2018/11/20	05:30	72.35N	164.60W	RS41-SGP	P0830387	272	0.79	N/A	0.2	N/A	Snow

18112012.dat	2018/11/20	17:30	72.49N	164.14W	RS41-SGP	P0830414	272	1.73	N/A	0.3	N/A	Snow
18112018.dat	2018/11/20	17:30	72.49N	164.14W	RS41-SGP	P0830414	272	0.60	N/A	0.3	N/A	Snow
18112100.dat	2018/11/20	23:29	73.00N	161.99W	RS41-SGP	P0810331	274	1.01	N/A	0.2	N/A	Snow
18112106.dat	2018/11/21	05:30	72.39N	164.43W	RS41-SGP	P0830378	273	0.45	N/A	0.2	N/A	Snow
18112112.dat	2018/11/21	11:30	71.75N	167.00W	RS41-SGP	P0830355	273	0.53	N/A	0.3	N/A	Snow
18112118.dat	2018/11/21	17:30	71.69N	165.94W	RS41-SGP	P0830395	273	0.77	N/A	0.2	N/A	Snow
18112200.dat	2018/11/21	23:30	71.65N	163.66W	RS41-SGP	P0830394	273	0.80	N/A	0.2	N/A	Snow
18112206.dat	2018/11/22	05:30	71.32N	162.90W	RS41-SGP	P0830398	274	0.75	N/A	0.3	N/A	Snow
18112212.dat	2018/11/22	11:30	71.23N	165.35W	RS41-SGP	P0830382	274	0.82	N/A	0.3	N/A	Snow
18112218.dat	2018/11/22	17:30	70.98N	168.75W	RS41-SGP	P0830403	274	0.57	N/A	0.3	N/A	Snow
18112300.dat	2018/11/22	23:30	69.99N	168.72W	RS41-SGP	P0830399	274	0.69	N/A	0.3	N/A	
18112306.dat	2018/11/23	05:26	68.85N	168.72W	RS41-SGP	P0830412	275	0.57	N/A	0.2	N/A	
18112312.dat	2018/11/23	11:30	67.76N	168.71W	RS41-SGP	P0810333	277	1.18	N/A	0.2	N/A	
18112318.dat	2018/11/23	17:30	67.52N	168.40W	RS41-SGP	P0810336	277	0.80	N/A	0.2	N/A	
18112400.dat	2018/11/23	23:27	67.98N	167.96W	RS41-SGP	P0810334	277	0.65	N/A	0.3	N/A	
18112406.dat	2018/11/24	05:30	68.29N	167.00W	RS41-SGP	P0810344	278	0.67	N/A	0.3	N/A	
18112412.dat	2018/11/24	11:30	67.24N	168.41W	RS41-SGP	P0810335	278	0.62	N/A	0.3	N/A	
18112418.dat	2018/11/24	17:30	66.92N	168.28W	RS41-SGP	P0810343	278	0.38	N/A	0.3	N/A	Snow
18112500.dat	2018/11/24	23:30	65.95N	168.73W	RS41-SGP	P0830385	276	0.72	N/A	0.3	N/A	Snow
18112512.dat	2018/11/25	11:30	64.99N	169.18W	RS41-SGP	P0830408	277	0.75	N/A	0.3	N/A	
18112600.dat	2018/11/25	23:30	63.57N	172.64W	RS41-SGP	P0830411	277	0.59	N/A	0.2	N/A	Snow
18112612.dat	2018/11/26	11:30	62.22N	174.87W	RS41-SGP	P0830389	278	0.49	N/A	0.3	N/A	
18112700.dat	2018/11/26	23:30	60.39N	173.91W	RS41-SGP	P0830413	278	0.70	N/A	0.3	N/A	
18112712.dat	2018/11/27	11:30	59.39N	178.15W	RS41-SGP	P0830401	279	1.03	N/A	0.2	N/A	
18112800.dat	2018/11/27	23:30	57.95N	178.08E	RS41-SGP	P0810350	281	0.82	N/A	0.3	N/A	
18112806.dat	2018/11/28	05:30	57.06N	176.69E	RS41-SGP	P0810349	282	0.58	N/A	0.2	N/A	
18112812.dat	2018/11/28	11:30	56.17N	175.31E	RS41-SGP	P0810352	282	0.62	N/A	0.3	N/A	
18112900.dat	2018/11/28	23:30	54.59N	172.98E	RS41-SGP	P0810354	282	0.80	N/A	0.3	N/A	
18112912.dat	2018/11/29	11:29	53.26N	171.12E	RS41-SGP	P0810353	283	0.90	N/A	0.3	N/A	
18113000.dat	2018/11/29	23:30	52.18N	169.62E	RS41-SGP	P0810351	283	0.55	N/A	0.3	N/A	
18113012.dat	2018/11/30	11:30	51.04N	168.08E	RS41-SGP	P0810356	284	0.69	N/A	0.3	N/A	
18120100.dat	2018/11/30	23:30	50.08N	166.33E	RS41-SGP	P0810355	284	1.04	N/A	0.3	N/A	
18120112.dat	2018/12/01	11:29	49.04N	164.53E	RS41-SGP	P0830409	283	0.73	N/A	0.3	N/A	
18120200.dat	2018/12/01	23:30	47.55N	161.86E	RS41-SGP	P0830407	283	0.65	N/A	0.3	N/A	
18120212.dat	2018/12/02	11:30	45.69N	158.75E	RS41-SGP	P0830410	284	0.92	N/A	0.3	N/A	
18120300.dat	2018/12/02	23:30	44.33N	156.56E	RS41-SGP	P0810347	286	0.63	N/A	0.3	N/A	

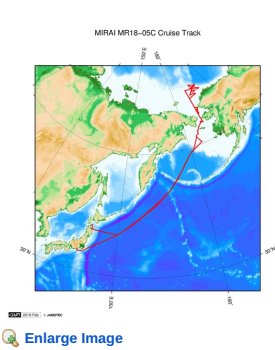
Reference

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, MW41(after 2015 Jun.) [VAISALA, Finland]
- Launcher Location: 22m (from base line)

Related Information



**MR18-05C**  
Ship Name: MIRAI  
Period: 2018-10-24 - 2018-12-06  
Chief Scientist: Jun Inoue (National Institute of Polar Research)  
Project Name: [Arctic Ocean Climate System Reaserch]  
Proposal ▶ Predictability study on weather and sea-ice forecasts linked with user engagement  
Title:

Update History

2019-05-31 An observation data was registered.

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YOKOSUKA  
MIRAI  
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KAIMEI  
SHINSEI MARU  
HAKUHO MARU

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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)

Go to a Cruise Information

Cruise ID:  Go

Go to a Dive Information

Dive ID:  Go



## MIRAI MR18-05C Radiosonde

Last Modified: 2019-05-31

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

Cruise ID: **MR18-05C**

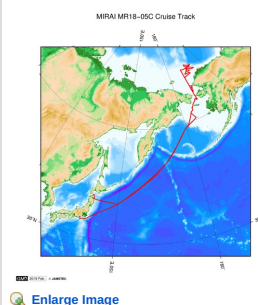
Radiosonde: Processed (DMO)-Corrected

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



#### MR18-05C

Ship Name: MIRAI

Period: 2018-10-24 - 2018-12-06

Chief Scientist: Jun Inoue (National Institute of Polar Research)

Project Name: [Arctic Ocean Climate System Research]

Proposal ▶ Predictability study on weather and sea-ice forecasts linked with user engagement

Title:

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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 MR18-05C Radiosonde

Last Modified: 2019-05-31

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

Cruise ID: [MR18-05C](#)

Radiosonde: Processed (DMO)-Corrected

Data Policy: [JAMSTEC](#)

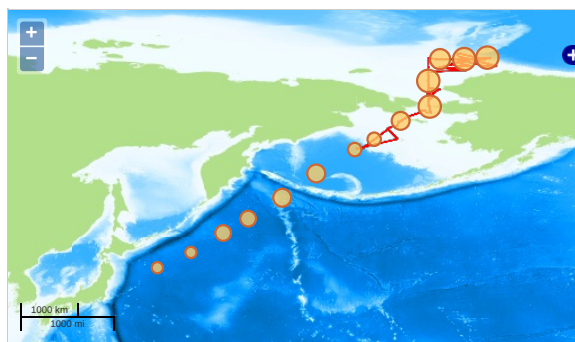
Observation Items: Atmospheric pressure, Air temperature, Dew point temperature, Relative humidity, Wind speed (zonal, meridional), Height

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.

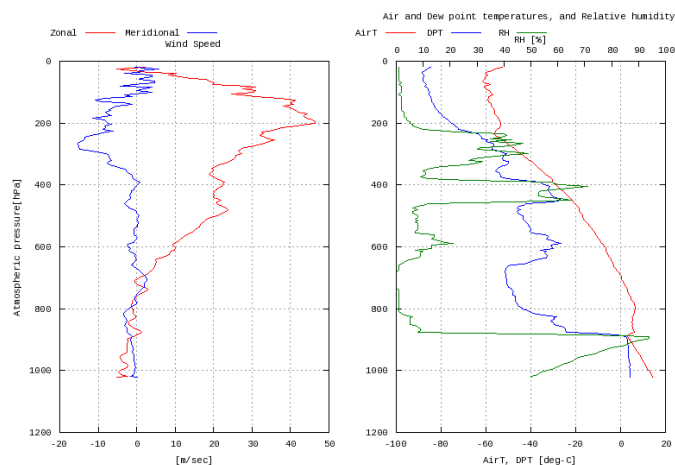


— ... Observation Line — ... Navigation ● ... Observation, Dive Point, Hole

### Figures

18102612

MR18-05C: 18102612  
Radiosonde



### Data List

☐ File names

☐ 18102612.dat

☐ 18102700.dat

☐ 18102712.dat

☐ 18102800.dat

☐ 18102812.dat

☐ 18102900.dat

☐ 18102912.dat

☐ 18103000.dat

☐ 18103012.dat

















































☐ 18103100.dat

☐ 18103112.dat

☐ 18110100.dat

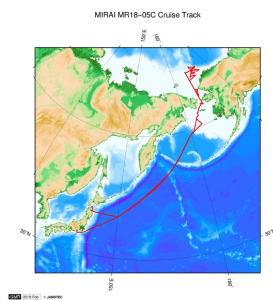
☐ 18110112.dat

☐ 18110200.dat

 File names
 18110300.dat
 18110312.dat
 18110400.dat
 18110406.dat
 18110412.dat
 18110418.dat
 18110500.dat
 18110506.dat
 18110512.dat
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18111912.dat
18111918.dat

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<input type="checkbox"/>	18120100.dat
<input type="checkbox"/>	18120112.dat
<input type="checkbox"/>	18120200.dat
<input type="checkbox"/>	18120212.dat
<input type="checkbox"/>	18120300.dat

#### Related Information



[Enlarge Image](#)

#### MR18-05C

Ship Name: MIRAI  
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 Chief Scientist: Jun Inoue (National Institute of Polar Research)  
 Project Name: [Arctic Ocean Climate System Research]  
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 BMS

#### Go to a Cruise Information

Cruise ID:

#### Go to a Dive Information

Dive ID:

