

## MIRAI MR13-06 Leg1 Radiosonde

Last Modified: 2015-10-07

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

Cruise ID: [MR13-06 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/MR13-06\\_leg1-2\\_all.pdf](http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR13-06_leg1-2_all.pdf)

#### For Using Data

##### Principal Investigator

Data Management Office

##### Use Constraints

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

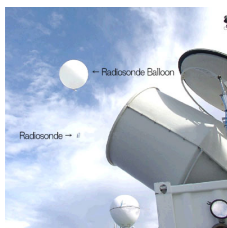
##### Data Citation

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

### Instrument

Instrument:

Radiosonde (MR11-03 - MR15-E01  
Leg3)



### Overview

#### Correction method

· Correction of ship body warming

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

#### Note

Information about each radiosonde data are listed in the table of data page. 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[%]	
13083000.dat	2013/08/29	23:30	59.26N	167.76W	H4423344	310	-0.23	-0.10	-0.15	-0.16	
13083012.dat	2013/08/30	11:30	61.17N	167.61W	H4423355	310	-0.83	-0.11	0.20	0.05	
13083100.dat	2013/08/30	23:30	63.07N	167.47W	H4423341	311	-0.60	-0.17	-0.20	-0.20	
13083112.dat	2013/08/31	11:30	64.87N	168.64W	H4423336	312	-0.04	-0.17	-0.16	-0.16	
13090100.dat	2013/08/31	23:30	65.66N	168.26W	H4423949	312	-0.35	-0.10	-0.09	-0.17	
13090103.dat	2013/09/01	02:30	66.01N	168.75W	H4423338	312	-0.83	-0.15	-0.11	-0.14	
13090106.dat	2013/09/01	05:30	66.51N	168.76W	H4423347	312	-0.31	-0.07	-0.15	-0.16	
13090109.dat	2013/09/01	08:30	67.00N	168.74W	H4423343	312	-1.39	-0.12	-0.26	-0.24	
13090112.dat	2013/09/01	11:30	67.50N	168.75W	H4423359	312	-0.69	-0.15	-0.21	-0.05	
13090115.dat	2013/09/01	14:30	67.90N	168.20W	H4623281	299	-0.85	-0.18	-0.18	-0.20	
13090118.dat	2013/09/01	17:30	68.00N	168.78W	H4423358	313	-0.36	-0.18	-0.40	-0.27	
13090121.dat	2013/09/01	20:30	68.16N	168.78W	H4423353	313	-0.86	-0.13	-0.18	-0.21	
13090200.dat	2013/09/01	23:30	68.52N	168.74W	H4423364	313	-0.87	-0.28	-0.20	-0.20	
13090203.dat	2013/09/02	02:30	69.00N	168.75W	H4423959	313	0.15	-0.14	-0.22	-0.22	
13090206.dat	2013/09/02	05:30	69.42N	167.22W	H4423346	313	-0.61	-0.17	-0.23	-0.30	
13090209.dat	2013/09/02	08:30	69.84N	165.63W	H4434109	312	-0.25	-0.26	-0.16	-0.17	
13090212.dat	2013/09/02	11:30	70.26N	164.01W	H4423948	314	-1.23	-0.11	-0.13	-0.14	
13090215.dat	2013/09/02	14:30	70.66N	162.36W	H4423350	314	-0.26	-0.16	-0.22	-0.27	

13090218.dat	2013/09/02 17:30	71.04N	160.68W	H4623278	300	-1.26	-0.23	-0.33	-0.33	
13090221.dat	2013/09/02 20:30	71.26N	158.78W	H4633309	299	-1.15	-0.15	-0.39	-0.43	GPS Lost; 1189-
13090300.dat	2013/09/02 02:30	71.33N	157.68W	H4423325	314	-0.30	-0.16	-0.31	-0.33	12894m
13090303.dat	2013/09/03 05:30	71.34N	157.61W	H4423323	314	-0.84	-0.14	-0.28	-0.35	Snow
13090306.dat	2013/09/03 08:30	71.59N	157.86W	H4423335	314	-0.39	-0.10	-0.26	-0.29	Max; 4310m
13090312.dat	2013/09/03 11:30	71.31N	157.29W	H4533024	306	-1.29	-0.13	-0.43	-0.46	
13090315.dat	2013/09/03 14:30	71.56N	157.81W	H4513290	309	0.21	-0.24	-0.38	-0.42	
13090318.dat	2013/09/03 17:30	71.45N	157.60W	H4633510	300	-0.85	-0.22	-0.35	-0.33	Max; 7222m
13090321.dat	2013/09/03 20:30	71.26N	157.13W	H4423367	315	-0.15	-0.15	-0.28	-0.30	
13090400.dat	2013/09/03 23:30	71.27N	157.12W	H4423998	315	-0.27	-0.21	-0.32	-0.35	Snow
13090403.dat	2013/09/04 02:30	71.28N	157.26W	H4423326	315	-0.60	-0.09	-0.35	-0.36	Snow
13090406.dat	2013/09/04 05:30	71.37N	157.46W	H4424001	315	-0.73	-0.19	-0.40	-0.42	
13090409.dat	2013/09/04 08:30	71.42N	157.56W	H4434112	314	0.06	-0.19	-0.11	-0.13	
13090412.dat	2013/09/04 11:30	71.49N	157.14W	H4423597	316	-0.35	-0.16	-0.14	-0.15	
13090415.dat	2013/09/04 14:30	71.55N	156.36W	H4423591	316	-0.42	-0.19	-0.11	-0.11	
13090418.dat	2013/09/04 17:30	71.63N	155.70W	H4423352	316	-0.38	-0.15	-0.30	-0.31	
13090421.dat	2013/09/04 20:30	71.65N	154.94W	H4423953	316	-0.58	-0.17	-0.09	-0.11	
13090500.dat	2013/09/04 23:30	71.74N	155.11W	H4423592	316	-0.13	-0.15	-0.03	-0.09	
13090503.dat	2013/09/05 02:30	71.86N	155.44W	H4423947	316	-1.39	-0.11	-0.03	-0.07	
13090506.dat	2013/09/05 05:30	72.15N	155.23W	H4423617	316	-0.31	-0.14	-0.10	-0.11	
13090509.dat	2013/09/05 08:30	72.68N	154.80W	H4434308	315	-0.33	-0.14	-0.11	-0.15	
13090512.dat	2013/09/05 11:30	72.67N	154.83W	H4424565	316	-0.72	-0.10	-0.20	0.08	
13090515.dat	2013/09/05 14:30	72.29N	154.88W	H4424111	317	0.11	-0.26	-0.14	-0.11	
13090518.dat	2013/09/05 17:30	71.84N	155.00W	H4424549	317	-0.17	-0.17	-0.10	-0.12	
13090521.dat	2013/09/05 20:30	71.67N	155.01W	H4424472	317	0.33	-0.13	-0.29	-0.25	
13090600.dat	2013/09/05 23:30	71.77N	155.28W	H4333654	323	-0.40	-0.24	-0.19	-0.26	
13090603.dat	2013/09/06 02:30	71.73N	155.12W	H4424597	317	-0.96	-0.17	-0.28	0.01	
13090606.dat	2013/09/06 05:30	71.75N	155.16W	H4424108	317	-0.11	-0.14	-0.13	-0.19	Snow
13090609.dat	2013/09/06 08:30	71.79N	155.29W	H4343654	322	-0.79	-0.14	-0.14	-0.15	Rain
13090612.dat	2013/09/06 11:30	71.74N	155.18W	H4424005	318	-0.56	-0.14	-0.46	-0.43	Rain
13090615.dat	2013/09/06 14:30	71.87N	155.49W	H4424013	318	-0.84	-0.15	-0.32	-0.33	Rain
13090618.dat	2013/09/06 17:30	71.69N	155.02W	H4423348	318	-1.01	-0.16	-0.09	-0.12	Rain
13090621.dat	2013/09/06 20:30	71.68N	155.02W	H4424023	318	-0.16	-0.18	-0.35	-0.34	
13090700.dat	2013/09/06 23:30	71.78N	155.29W	H4423331	318	-0.26	-0.20	-0.26	-0.34	
13090703.dat	2013/09/07 02:30	71.94N	155.21W	H4423329	318	-0.73	-0.10	-0.23	-0.21	
13090706.dat	2013/09/07 05:30	72.50N	154.80W	H4633067	303	-0.67	-0.16	-0.20	-0.28	
13090709.dat	2013/09/07 08:30	72.93N	155.57W	H4343652	323	-0.56	-0.11	-0.07	-0.11	
13090712.dat	2013/09/07 11:30	73.20N	157.22W	H4333684	324	-0.30	-0.12	-0.12	-0.11	Fog
13090715.dat	2013/09/07 14:30	73.53N	159.16W	H4343658	324	-0.57	-0.12	0.30	-0.13	Fog
13090718.dat	2013/09/07 17:30	73.82N	160.88W	H4333679	325	-0.25	-0.08	-0.13	-0.14	Fog, Drizzle
13090721.dat	2013/09/07 20:30	74.21N	162.01W	H4343646	324	-0.52	-0.17	-0.14	-0.22	
13090800.dat	2013/09/07 23:30	74.51N	161.98W	H4343647	324	-0.66	-0.12	-0.26	-0.27	Graupel
13090803.dat	2013/09/08 02:30	74.81N	161.97W	H4423327	319	-0.91	-0.17	-0.28	-0.27	
13090806.dat	2013/09/08 05:30	74.53N	161.93W	H4333680	325	-0.78	-0.19	-0.19	-0.21	Drizzle
13090809.dat	2013/09/08 08:30	74.55N	161.91W	H4623295	305	-1.49	-0.31	-0.30	-0.28	
13090812.dat	2013/09/08 11:30	74.50N	161.99W	H4343661	324	-1.10	-0.17	-0.32	-0.04	Fog
13090815.dat	2013/09/08 14:30	74.51N	161.97W	H4424000	320	-0.60	-0.20	-0.23	-0.24	
13090818.dat	2013/09/08 17:30	74.52N	161.85W	H4423334	320	-0.73	-0.13	-0.25	-0.24	Fog
13090821.dat	2013/09/08 20:30	74.56N	161.97W	H4343666	325	-0.64	-0.13	-0.20	-0.22	Fog
13090900.dat	2013/09/08 23:30	74.53N	161.92W	H4343663	325	-0.93	-0.21	-0.29	-0.37	Snow
13090903.dat	2013/09/09 02:30	74.54N	161.97W	H4343644	325	-0.64	-0.03	-0.16	-0.26	
13090906.dat	2013/09/09 05:30	74.54N	161.96W	H4423328	320	-0.54	-0.11	-0.33	-0.35	Fog
13090909.dat	2013/09/09 08:30	74.19N	162.00W	H4424012	320	-0.95	-0.11	-0.32	-0.33	Snow
13090912.dat	2013/09/09 11:30	74.24N	162.61W	H4423360	320	-0.65	-0.12	-0.31	-0.30	
13090915.dat	2013/09/09 14:30	74.50N	164.75W	H4424007	321	-0.98	-0.18	-0.51	-0.56	
13090918.dat	2013/09/09 17:30	74.50N	166.98W	H4424011	321	-1.02	-0.20	-0.29	-0.03	
13090921.dat	2013/09/09 20:30	74.16N	168.44W	H4343653	326	-0.57	-0.17	-0.16	0.07	
13091000.dat	2013/09/09 23:30	74.00N	168.74W	H4424003	321	-0.64	-0.19	-0.18	-0.18	Fog
13091003.dat	2013/09/10 02:30	73.63N	168.45W	H4424009	321	-0.72	-0.19	-0.12	-0.17	Fog
13091006.dat	2013/09/10 05:30	73.41N	168.35W	H4423330	321	-0.42	-0.13	-0.02	0.02	Drizzle; GPS Lost
13091009.dat	2013/09/10 08:30	73.00N	168.75W	H4424002	321	-0.86	-0.22	-0.24	-0.27	
13091012.dat	2013/09/10 11:30	72.75N	168.75W	H4424016	322	-0.40	-0.14	-0.18	-0.17	
13091015.dat	2013/09/10 14:30	72.50N	168.03W	H4623312	308	-1.13	-0.24	-0.17	-0.18	
13091018.dat	2013/09/10 17:30	72.77N	167.74W	H4423324	322	-0.72	-0.12	-0.05	-0.08	
13091021.dat	2013/09/10 20:30	72.79N	168.17W	H4424006	322	-0.02	-0.21	-0.16	-0.16	
13091100.dat	2013/09/10 23:30	72.76N	168.33W	H4623311	308	-1.00	-0.23	-0.22	-0.30	GPS Lost; 1789-
13091103.dat	2013/09/11 02:30	72.76N	168.25W	H4424004	322	-0.43	-0.14	-0.20	-0.24	3496m
13091106.dat	2013/09/11 05:30	72.76N	168.24W	H4423999	322	-0.97	-0.17	-0.13	-0.10	
13091109.dat	2013/09/11 08:30	72.74N	168.25W	H4533760	314	-1.08	-0.19	-0.30	-0.31	
13091112.dat	2013/09/11 11:30	72.73N	168.27W	H4434315	322	-0.28	-0.17	-0.19	-0.16	Fog

13091115.dat	2013/09/11 14:30	72.75N	168.24W	H4343559	328	-0.50	-0.19	-0.32	-0.41	Fog
13091118.dat	2013/09/11 17:30	72.75N	168.27W	H4343560	328	-0.26	-0.10	-0.17	-0.19	
13091119.dat	2013/09/11 20:30	72.75N	168.28W	H4423968	323	-0.15	-0.03	-0.33	-0.37	Note
13091200.dat	2013/09/11 02:30	72.75N	168.25W	H4423969	301	-0.20	-0.15	-0.51	-0.65	
13091203.dat	2013/09/12 02:30	72.77N	168.25W	H4733909	301	0.40	-0.15	-0.29	-0.32	Rain
13091206.dat	2013/09/12 05:30	72.75N	168.29W	H4733921	301	-0.22	-0.17	-0.31	-0.37	Rain
13091209.dat	2013/09/12 08:30	72.74N	168.25W	H4543596	314	-0.91	-0.26	-0.27	-0.27	Fog
13091212.dat	2013/09/12 11:30	72.76N	168.22W	H4733912	302	-0.28	-0.12	-0.36	-0.38	Fog
13091215.dat	2013/09/12 14:30	72.75N	168.22W	H4733927	302	-0.30	-0.15	-0.72	-0.77	
13091218.dat	2013/09/12 17:30	72.75N	168.21W	H4423608	324	-0.10	-0.09	-0.05	-0.08	
13091221.dat	2013/09/12 20:30	72.75N	168.28W	H4733923	302	0.10	-0.09	-0.20	-0.31	
13091300.dat	2013/09/12 23:30	72.77N	168.35W	H4424586	324	-0.78	-0.14	-0.15	-0.14	
13091303.dat	2013/09/13 02:30	72.75N	168.25W	H4633500	309	-0.83	-0.21	0.04	-0.19	
13091306.dat	2013/09/13 05:30	72.75N	168.28W	H4423616	324	0.09	-0.17	-0.05	-0.05	
13091309.dat	2013/09/13 08:30	72.74N	168.26W	H4733899	302	-0.18	-0.13	-0.18	-0.17	Drizzle
13091312.dat	2013/09/13 11:30	72.74N	168.26W	H4423973	324	-0.50	-0.13	0.01	-0.08	
13091315.dat	2013/09/13 14:30	72.75N	168.22W	H4733926	303	-0.07	-0.15	-0.45	-0.43	Fog
13091318.dat	2013/09/13 17:30	72.75N	168.26W	H4423967	325	-0.82	-0.01	-0.14	-0.14	Drizzle
13091321.dat	2013/09/13 20:30	72.75N	168.30W	H4733928	303	-0.32	-0.11	-0.24	-0.23	
13091400.dat	2013/09/13 23:30	72.75N	168.26W	H4423963	325	0.84	-0.10	-0.18	-0.16	Fog
13091403.dat	2013/09/14 02:30	72.76N	168.25W	H4423638	325	-0.34	-0.14	-0.14	-0.20	Snow
13091406.dat	2013/09/14 05:30	72.74N	168.28W	H4423976	325	-0.41	-0.13	-0.13	-0.13	Snow
13091409.dat	2013/09/14 08:30	72.74N	168.25W	H4423962	325	-0.31	-0.06	-0.19	-0.19	
13091412.dat	2013/09/14 11:30	72.74N	168.28W	H4423637	326	-0.47	-0.14	-0.02	-0.07	
13091415.dat	2013/09/14 14:30	72.75N	168.26W	H4423975	326	-0.96	-0.22	-0.16	-0.18	
13091418.dat	2013/09/14 17:30	72.75N	168.28W	H4424024	326	0.09	-0.22	-0.14	-0.17	
13091421.dat	2013/09/14 20:30	72.76N	168.31W	H4423605	326	0.08	-0.16	-0.18	-0.18	
13091500.dat	2013/09/14 23:30	72.77N	168.29W	H4733917	304	-0.40	-0.14	-0.25	-0.33	Snow
13091503.dat	2013/09/15 02:30	72.76N	168.25W	H4733905	304	-0.60	-0.12	-0.21	-0.28	
13091506.dat	2013/09/15 05:30	72.74N	168.26W	H4543583	317	-0.99	-0.16	-0.21	-0.24	
13091509.dat	2013/09/15 08:30	72.73N	168.25W	H4423615	326	-0.84	-0.17	-0.15	-0.21	
13091512.dat	2013/09/15 11:30	72.76N	168.31W	H4733902	304	-0.24	-0.18	-0.17	-0.25	
13091515.dat	2013/09/15 14:30	72.75N	168.22W	H4733901	305	-0.22	-0.06	-0.21	-0.35	
13091518.dat	2013/09/15 17:30	72.75N	168.27W	H4423966	327	-0.30	-0.13	-0.07	-0.03	
13091521.dat	2013/09/15 20:30	72.75N	168.30W	H4424469	327	-0.21	-0.21	-0.27	-0.31	
13091600.dat	2013/09/15 23:30	72.75N	168.28W	H4733931	305	-0.12	-0.10	-0.21	-0.18	
13091603.dat	2013/09/16 02:30	72.77N	168.25W	H4423587	327	0.12	-0.20	-0.05	-0.12	Snow
13091606.dat	2013/09/16 05:30	72.75N	168.30W	H4423577	327	-0.03	-0.22	-0.08	-0.10	
13091609.dat	2013/09/16 08:30	72.74N	168.26W	H4423585	327	-0.14	-0.18	-0.06	0.37	Snow
13091612.dat	2013/09/16 11:30	72.76N	168.28W	H4423580	328	-0.35	-0.13	-0.07	-0.10	Snow
13091615.dat	2013/09/16 14:30	72.75N	168.22W	H4423601	328	-0.30	-0.21	0.01	-0.04	Snow
13091618.dat	2013/09/16 17:30	72.74N	168.27W	H4423960	328	-1.01	-0.20	-0.07	-0.02	Snow
13091621.dat	2013/09/16 20:30	72.75N	168.28W	H4434111	327	-0.08	-0.19	-0.12	-0.20	
13091700.dat	2013/09/16 23:30	72.78N	168.32W	H4434098	327	0.02	-0.20	0.34	0.11	
13091703.dat	2013/09/17 02:30	72.77N	168.25W	H4434303	327	-0.48	-0.23	-0.10	-0.11	
13091706.dat	2013/09/17 05:30	72.75N	168.28W	H4423578	328	-0.28	-0.26	-0.06	-0.09	
13091709.dat	2013/09/17 08:30	72.75N	168.25W	H4513305	322	-0.87	-0.18	-0.11	-0.29	
13091712.dat	2013/09/17 11:30	72.76N	168.27W	H4523932	322	-0.74	-0.21	-0.35	-0.38	
13091715.dat	2013/09/17 14:30	72.75N	168.21W	H4423596	329	-0.38	-0.16	-0.05	-0.09	
13091718.dat	2013/09/17 17:30	72.74N	168.26W	H4623177	315	-1.49	-0.15	-0.30	-0.33	
13091721.dat	2013/09/17 20:30	72.75N	168.30W	H4514622	323	-0.70	-0.21	-0.31	-0.33	
13091800.dat	2013/09/17 23:30	72.76N	168.29W	H4423589	329	-0.24	-0.03	-0.07	-0.10	
13091803.dat	2013/09/18 02:30	72.76N	168.25W	H4423369	329	-0.21	-0.29	-0.16	-0.17	
13091806.dat	2013/09/18 05:30	72.76N	168.28W	H4514625	323	-0.88	-0.16	-0.07	-0.18	
13091809.dat	2013/09/18 08:30	72.74N	168.29W	H4423357	329	-0.61	-0.14	-0.08	-0.05	
13091812.dat	2013/09/18 11:30	72.74N	168.30W	H4423594	330	-0.30	-0.10	-0.11	-0.18	
13091815.dat	2013/09/18 14:30	72.76N	168.20W	H4423945	330	-0.47	-0.13	0.03	-0.01	Snow
13091818.dat	2013/09/18 17:30	72.75N	168.28W	H4423363	330	-0.34	-0.16	-0.06	-0.08	
13091821.dat	2013/09/18 20:30	72.75N	168.29W	H4434100	329	-0.36	-0.21	0.02	-0.01	
13091900.dat	2013/09/18 23:30	72.74N	168.30W	H4423652	330	-0.07	-0.13	-0.04	-0.01	
13091903.dat	2013/09/19 02:30	72.77N	168.25W	H4423944	330	1.37	-0.25	0.02	-0.06	Snow
13091906.dat	2013/09/19 05:30	72.76N	168.28W	H4434089	329	-0.53	-0.21	-0.02	-0.05	
13091909.dat	2013/09/19 08:30	72.73N	168.25W	H4423586	330	-0.12	-0.20	-0.02	-0.06	
13091912.dat	2013/09/19 11:30	72.75N	168.31W	H4423593	330	-0.06	-0.24	-0.03	-0.08	Snow
13091915.dat	2013/09/19 14:30	72.75N	168.21W	H4423927	331	-0.76	-0.17	0.13	0.10	
13091918.dat	2013/09/19 17:30	72.75N	168.27W	H4423361	331	-0.22	-0.15	0.00	-0.03	
13091921.dat	2013/09/19 20:30	72.77N	168.29W	H4533752	323	-0.41	-0.16	-0.26	-0.26	
13092000.dat	2013/09/19 23:30	72.75N	168.29W	H4553659	321	-0.60	-0.30	-0.13	-0.15	
13092003.dat	2013/09/20 02:30	72.76N	168.24W	H4533705	323	-0.53	-0.22	-0.25	-0.34	
13092006.dat	2013/09/20 05:30	72.75N	168.29W	H4553218	321	-0.35	-0.14	-0.20	-0.24	
13092009.dat	2013/09/20 08:30	72.77N	168.22W	H4623189	317	-0.32	-0.19	-0.32	-0.36	
13092012.dat	2013/09/20 11:30	72.76N	168.25W	H4553658	322	-0.81	-0.27	-0.23	-0.25	
13092015.dat	2013/09/20 14:30	72.76N	168.19W	H4533759	324	-0.47	-0.22	-0.14	-0.22	

Data file	Date	Time	Latitude	Longitude	Serial No.	Age	Atmospheric pressure[hPa]	Air temperature[deg C]	Relative humidity1[%]	Relative humidity2[%]	Note
13092018.dat	2013/09/20	20:30	72.76N	168.25W	H4423332	0.00	-0.08	-0.26	0.05	-0.02	
13092021.dat	2013/09/20	20:30	72.75N	168.24W	H4423332	0.00	-0.88	-0.08	0.02	-0.02	
13092100.dat	2013/09/20	23:30	72.76N	168.29W	H4513598	326	-0.30	-0.20	-0.06	-0.06	
13092103.dat	2013/09/21	02:30	72.78N	168.25W	H4423349	332	-0.88	-0.20	0.02	0.06	
13092106.dat	2013/09/21	05:30	72.77N	168.24W	H4423362	332	-0.15	-0.21	0.02	0.01	
13092109.dat	2013/09/21	08:30	72.77N	168.22W	H4423356	332	-0.44	-0.14	0.14	0.21	
13092112.dat	2013/09/21	11:30	72.78N	168.25W	H4423339	332	-1.05	-0.07	0.02	0.04	
13092115.dat	2013/09/21	14:30	72.76N	168.18W	H4623184	319	-1.01	-0.23	-0.13	-0.16	
13092118.dat	2013/09/21	17:30	72.74N	168.28W	H4643070	317	-0.88	-0.15	0.03	-0.02	
13092121.dat	2013/09/21	20:30	72.75N	168.30W	H4553669	323	-0.40	-0.12	-0.04	-0.05	
13092200.dat	2013/09/21	23:30	72.74N	168.21W	H4533755	325	-1.10	-0.17	-0.10	-0.22	
13092203.dat	2013/09/22	02:30	72.76N	168.25W	H4433782	332	-0.42	-0.26	0.14	0.13	Snow
13092206.dat	2013/09/22	05:30	72.75N	168.28W	H4553221	323	-1.43	-0.23	-0.07	-0.11	Snow
13092209.dat	2013/09/22	08:30	72.73N	168.25W	H4553665	323	-0.70	-0.05	-0.04	-0.07	
13092212.dat	2013/09/22	11:30	72.74N	168.25W	H4553668	324	-0.58	-0.14	-0.04	-0.06	Snow
13092215.dat	2013/09/22	14:30	72.75N	168.25W	H4434342	333	-0.52	-0.13	-0.06	-0.10	
13092218.dat	2013/09/22	17:30	72.75N	168.26W	H4434115	333	-0.39	-0.20	0.00	0.01	
13092221.dat	2013/09/22	20:30	72.75N	168.31W	H4434116	333	-0.27	-0.13	0.04	0.47	
13092300.dat	2013/09/22	23:30	72.75N	168.24W	H4423954	334	-0.91	-0.16	0.09	0.10	
13092303.dat	2013/09/23	02:30	72.77N	168.25W	H4434311	333	-0.39	-0.17	-0.02	-0.02	
13092306.dat	2013/09/23	05:30	72.76N	168.25W	H4434318	333	-0.13	-0.18	-0.04	-0.05	
13092309.dat	2013/09/23	08:30	72.73N	168.26W	H4434113	333	-0.93	-0.15	0.03	-0.02	
13092312.dat	2013/09/23	11:30	72.75N	168.27W	H4533447	326	-0.92	-0.23	-0.06	-0.07	
13092315.dat	2013/09/23	14:30	72.75N	168.19W	H4434108	334	-0.52	-0.19	-0.03	-0.03	
13092318.dat	2013/09/23	17:30	72.75N	168.27W	H4423951	335	-0.54	-0.22	0.08	0.02	
13092321.dat	2013/09/23	20:30	72.75N	168.31W	H4423602	335	-0.20	-0.14	0.11	0.05	
13092400.dat	2013/09/23	23:30	72.76N	168.23W	H4423952	335	-0.49	-0.21	0.01	0.13	Snow
13092403.dat	2013/09/24	02:30	72.77N	168.25W	H4423590	335	0.05	-0.20	0.30	0.28	Snow
13092406.dat	2013/09/24	05:30	72.75N	168.22W	H4423582	335	-0.41	-0.19	0.04	0.02	
13092409.dat	2013/09/24	08:30	72.73N	168.24W	H4423600	335	0.18	-0.27	0.09	-0.01	Snow
13092412.dat	2013/09/24	11:30	72.76N	168.20W	H4533743	328	-0.36	-0.27	-0.11	-0.21	
13092415.dat	2013/09/24	14:30	72.75N	168.16W	H4653120	319	-0.52	-0.19	-0.03	-0.03	
13092418.dat	2013/09/24	17:30	72.76N	168.24W	H4623175	322	-0.66	-0.20	-0.11	-0.11	
13092421.dat	2013/09/24	20:30	72.75N	168.29W	H4523931	329	-0.50	-0.17	0.05	-0.09	
13092500.dat	2013/09/24	23:30	72.76N	168.24W	H4434335	335	0.07	-0.28	-0.02	0.01	
13092503.dat	2013/09/25	02:30	72.78N	168.25W	H4434105	335	-0.12	-0.26	0.02	-0.02	Snow
13092506.dat	2013/09/25	05:30	72.76N	168.26W	H4443524	334	0.12	-0.23	0.04	-0.08	
13092509.dat	2013/09/25	08:30	72.72N	168.25W	H4423961	336	0.29	-0.22	0.06	0.00	Snow
13092512.dat	2013/09/25	11:30	72.74N	168.21W	H4434302	336	-0.61	-0.23	0.06	0.04	Snow
13092515.dat	2013/09/25	14:30	72.76N	167.92W	H4733924	315	-0.22	-0.16	-0.08	-0.06	
13092518.dat	2013/09/25	17:30	72.74N	168.19W	H4733930	315	-0.08	-0.21	-0.09	0.30	
13092521.dat	2013/09/25	20:30	72.75N	168.29W	H4424468	337	0.33	-0.25	-0.08	-0.10	
13092600.dat	2013/09/25	23:30	72.75N	168.23W	H4434330	336	-0.26	-0.22	0.02	-0.05	
13092603.dat	2013/09/26	02:30	73.09N	168.91W	H4423604	337	-0.15	-0.15	0.05	-0.01	
13092606.dat	2013/09/26	05:30	73.81N	168.78W	H4643779	321	-0.62	-0.23	-0.01	-0.01	
13092609.dat	2013/09/26	08:30	74.01N	168.76W	H4424596	337	-0.94	-0.20	-0.09	-0.12	
13092612.dat	2013/09/26	11:30	73.50N	168.76W	H4423971	338	-0.52	-0.22	0.04	0.00	
13092615.dat	2013/09/26	14:30	73.49N	167.76W	H4343649	343	-0.22	-0.24	0.22	0.07	
13092618.dat	2013/09/26	17:30	73.00N	167.64W	H4423606	338	-0.18	-0.19	0.08	0.01	
13092621.dat	2013/09/26	20:30	73.04N	165.45W	H4733920	316	-0.04	-0.14	0.14	-0.03	
13092700.dat	2013/09/26	23:30	73.06N	164.61W	H4423612	338	-0.14	-0.15	0.05	0.07	
13092703.dat	2013/09/27	02:30	73.38N	163.30W	H4423972	338	-0.26	-0.21	0.14	0.11	
13092706.dat	2013/09/27	05:30	73.69N	162.65W	H4434333	337	-0.33	-0.22	0.02	0.08	
13092709.dat	2013/09/27	08:30	74.00N	161.99W	H4424541	338	-0.49	-0.13	0.17	0.15	
13092712.dat	2013/09/27	11:30	73.82N	160.19W	H4434339	338	-0.29	-0.19	0.02	0.01	
13092715.dat	2013/09/27	14:30	73.80N	159.98W	H4434309	338	-0.03	-0.25	-0.05	0.02	
13092718.dat	2013/09/27	17:30	73.81N	159.97W	H4433893	338	-0.59	-0.17	0.06	0.05	
13092721.dat	2013/09/27	20:30	73.59N	160.34W	H4424562	339	-0.46	-0.21	0.04	0.03	
13092800.dat	2013/09/27	23:30	73.30N	160.84W	H4434307	338	-0.90	-0.19	0.14	0.21	
13092803.dat	2013/09/28	02:30	73.15N	162.32W	H4733937	317	-0.12	-0.21	-0.13	0.04	
13092806.dat	2013/09/28	05:30	72.78N	162.46W	H4424553	339	-0.83	-0.23	0.01	-0.06	Snow
13092809.dat	2013/09/28	08:30	72.41N	161.28W	H4423607	339	-0.19	-0.25	0.08	0.00	Snow
13092812.dat	2013/09/28	11:30	71.97N	159.79W	H4424548	340	-0.53	-0.25	0.16	0.13	
13092815.dat	2013/09/28	14:30	71.56N	158.45W	H4434316	339	-0.23	-0.24	0.05	0.03	
13092818.dat	2013/09/28	17:30	71.33N	157.66W	H4424455	340	-0.43	-0.26	-0.08	-0.07	
13092821.dat	2013/09/28	20:30	71.33N	157.67W	H4733940	318	-0.35	-0.12	-0.07	-0.11	Snow
13092900.dat	2013/09/28	23:30	71.41N	157.63W	H4643778	324	-0.54	-0.15	0.07	0.03	
13092903.dat	2013/09/29	02:30	72.09N	157.28W	H4424570	340	-0.58	-0.19	0.18	0.05	
13092906.dat	2013/09/29	05:30	72.78N	156.65W	H4423620	340	-0.24	-0.12	0.09	0.07	
13092909.dat	2013/09/29	08:30	73.14N	156.69W	H4424561	340	-1.37	-0.16	-0.05	0.00	
13092912.dat	2013/09/29	11:30	72.63N	157.15W	H4434325	340	0.95	0.02	-0.03	-0.16	
13092915.dat	2013/09/29	14:30	71.85N	157.46W	H4643777	325	-0.75	-0.20	0.24	0.18	
13092918.dat	2013/09/29	17:30	71.33N	157.66W	H4434306	340	-0.65	-0.15	0.11	0.00	

	Launch time (UTC)	Latitude	Longitude	Sensor information	Age	Calibration result			
13092921.dat	2013/09/29 20:30	71.33N	157.63W	H4434296	340	-0.34	-0.19	0.08	0.09
13093000.dat	2013/09/29 23:30	71.33N	157.63W	H4434367	346	0.30	-0.18	0.08	0.14
13093003.dat	2013/09/30 02:30	71.33N	157.63W	H4434367	347	-0.52	-0.22	0.30	0.22
13093006.dat	2013/09/30 05:30	71.74N	160.65W	H4643822	325	-0.59	-0.22	0.07	0.06
13093009.dat	2013/09/30 08:30	71.99N	162.54W	H4643818	325	-0.69	-0.17	0.10	0.07
13093012.dat	2013/09/30 11:30	72.25N	164.41W	H4333663	348	-0.53	-0.24	0.32	0.26
13093015.dat	2013/09/30 14:30	72.49N	166.29W	H4333687	348	-0.19	-0.29	0.22	0.19
13093018.dat	2013/09/30 17:30	72.74N	168.15W	H4333682	348	-0.54	-0.19	0.13	0.11
13093021.dat	2013/09/30 20:30	72.75N	168.30W	H4333672	348	-0.44	-0.17	0.21	0.23
13100100.dat	2013/09/30 23:30	72.75N	168.25W	H4333665	348	-0.29	-0.16	0.23	0.21
13100103.dat	2013/10/01 02:30	72.77N	168.25W	H4424015	342	-0.19	-0.22	0.08	0.08
13100106.dat	2013/10/01 05:30	72.74N	168.26W	H4423332	342	-0.11	-0.09	0.02	0.03
13100109.dat	2013/10/01 08:30	72.73N	168.24W	H4423635	342	-0.21	-0.16	0.04	0.03
13100112.dat	2013/10/01 11:30	72.76N	168.22W	H4733898	320	-0.29	-0.20	-0.03	-0.06
13100115.dat	2013/10/01 14:30	72.75N	168.18W	H4643821	327	-0.34	-0.19	0.08	0.09
13100118.dat	2013/10/01 17:30	72.75N	168.27W	H4733929	321	-0.29	-0.07	-0.26	-0.10
13100121.dat	2013/10/01 20:30	72.48N	168.74W	H4543604	334	-0.91	-0.19	-0.05	-0.08
13100200.dat	2013/10/01 23:30	72.00N	168.74W	H4333671	349	-0.26	-0.19	0.22	0.16
13100203.dat	2013/10/02 02:30	71.50N	168.75W	H4643819	327	-0.71	-0.18	0.10	0.04
13100206.dat	2013/10/02 05:30	71.00N	168.75W	H4733911	321	-0.40	-0.20	-0.08	-0.32
13100209.dat	2013/10/02 08:30	70.50N	168.75W	H4343667	348	-0.71	-0.18	0.02	0.10
13100212.dat	2013/10/02 11:30	70.09N	168.75W	H4333666	350	-0.27	-0.14	0.30	0.20
13100215.dat	2013/10/02 14:30	69.64N	168.75W	H4733900	322	-0.08	-0.10	-0.04	-0.08
13100218.dat	2013/10/02 17:30	69.13N	168.75W	H4343651	349	-0.46	-0.21	0.32	0.28
13100221.dat	2013/10/02 20:30	68.73N	168.11W	H4733919	322	-0.34	-0.20	-0.03	-0.04
13100300.dat	2013/10/02 23:30	68.30N	167.05W	H4333667	350	-0.34	-0.08	0.23	0.23
13100303.dat	2013/10/03 02:30	68.20N	167.33W	H4333673	350	-0.62	-0.13	0.19	0.18
13100306.dat	2013/10/03 05:30	68.00N	168.00W	H4733903	322	-0.32	-0.13	-0.06	-0.08
13100309.dat	2013/10/03 08:30	67.76N	168.46W	H4333664	350	-0.08	-0.16	0.21	0.26
13100312.dat	2013/10/03 11:30	68.02N	168.59W	H4643816	328	-0.84	-0.23	0.02	0.00
13100315.dat	2013/10/03 14:30	68.42N	168.72W	H4333683	351	-0.35	-0.25	0.12	0.11
13100318.dat	2013/10/03 17:30	68.26N	168.75W	H4333669	351	-0.16	-0.13	0.14	0.12
13100321.dat	2013/10/03 20:30	68.00N	168.75W	H4333674	351	-0.47	-0.18	0.12	0.14
13100400.dat	2013/10/03 23:30	67.89N	168.75W	H4343645	350	-0.33	-0.08	0.12	0.12
13100403.dat	2013/10/04 02:30	67.53N	168.75W	H4333686	351	-0.20	-0.24	0.22	0.24
13100406.dat	2013/10/04 05:30	67.25N	168.75W	H4333676	351	-0.84	-0.20	0.32	0.24
13100409.dat	2013/10/04 08:30	67.00N	168.76W	H4333685	351	-0.38	-0.20	0.12	0.14
13100412.dat	2013/10/04 11:30	66.50N	168.76W	H4343643	350	-0.69	-0.24	0.14	0.08
13100415.dat	2013/10/04 14:30	66.02N	168.75W	H4343660	351	-0.84	-0.21	0.74	0.16
13100418.dat	2013/10/04 17:30	65.78N	168.76W	H4533726	338	-0.61	-0.20	-0.05	-0.11
13100421.dat	2013/10/04 20:30	65.70N	168.52W	H4343662	351	-0.41	-0.24	0.17	0.06
13100500.dat	2013/10/04 23:30	65.39N	168.42W	H4424445	346	-0.62	-0.17	-0.06	-0.08
13100506.dat	2013/10/05 05:30	64.08N	168.10W	H4434289	345	-0.48	-0.22	-0.05	-0.05
13100512.dat	2013/10/05 11:30	62.83N	167.34W	H4733932	324	-0.31	-0.14	-0.05	-0.10
13100518.dat	2013/10/05 17:30	61.89N	167.36W	H4733938	325	-0.50	-0.12	-0.11	-0.10
13100600.dat	2013/10/05 23:30	60.87N	167.74W	H4434299	346	-0.07	-0.20	0.08	0.07
13100606.dat	2013/10/06 05:30	59.87N	167.92W	H4434283	346	-0.09	-0.12	0.01	0.01
13100612.dat	2013/10/06 11:30	58.87N	167.65W	H4424588	348	-0.27	-0.15	-0.03	0.01
13100618.dat	2013/10/06 17:30	57.89N	167.40W	H4733936	326	-0.10	-0.12	-0.01	0.01
13100700.dat	2013/10/06 23:30	56.82N	167.15W	H4434317	347	0.02	-0.19	0.00	0.04
13100706.dat	2013/10/07 05:30	55.79N	166.90W	H4434291	347	0.00	-0.25	0.11	0.09

Reference

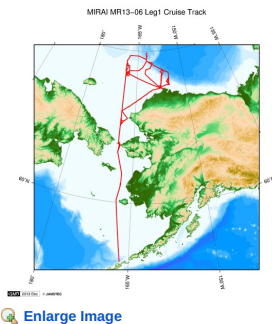
K. Yoneyama, M.Hanyu, S.Sueyoshi, F.Yoshiura, and M.Katsumata, 2002:Radiosonde observation from the ship in the tropical region. [\[PDF:400kbyte\]](#)  
JAMSTECR, Vol.45, 31-39

Others

- Main processor: DigiCORALIII ■ ■ 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



#### MR13-06 Leg1

Ship Name: MIRAI

Period: 2013-08-28 - 2013-10-07

Chief Scientist: Shigeto Nishino (JAMSTEC)

Project Name: [Arctic Ocean Climate System Research]

Proposal ▶ Study on environmental changes in the sea-ice reduction regions of the Arctic Ocean

Title:

#### Update History

2015-10-07	An observation data was registered.
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#### JAMSTEC

Site Policy

Privacy Policy

Application for Data and Samples

Data Policy

#### What's New

Update History

Feeds

#### Lists

Publication List

Amount of Public Info.

#### Data

Map Search

Data Tree

Detailed Search

#### Information of the Ships

NATSUSHIMA

KAIYO

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KAIKO

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6K Sonar DEEP TOW

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POWER GRAB SAMPLER

(SHELL)

POWER GRAB SAMPLER

(CLOW)

BMS

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Cruise ID:

#### Go to a Dive Information

Dive ID:

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## MIRAI MR13-06 Leg1 Radiosonde

Last Modified: 2015-10-07

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

Cruise ID: [MR13-06 Leg1](#)

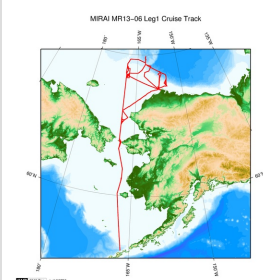
Radiosonde: Processed (DMO)-Corrected

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](#)

#### MR13-06 Leg1

Ship Name: MIRAI

Period: 2013-08-28 - 2013-10-07

Chief Scientist: Shigeto Nishino (JAMSTEC)

Project Name: [Arctic Ocean Climate System Reaserch]

Proposal ▶ Study on environmental changes in the sea-ice reduction regions of the Arctic Ocean

Title:

### Update History

2015-10-07 An observation data was registerd.

**JAMSTEC**  
[Site Policy](#)  
[Privacy Policy](#)  
[Application for Data and Samples](#)  
[Data Policy](#)  
**What's New**  
[Update History](#)  
[Feeds](#)

**Lists**  
[Publication List](#)  
[Amount of Public Info.](#)  
**Data**  
[Map Search](#)  
[Data Tree](#)  
[Detailed Search](#)

**Information of the Ships**  
[NATSUSHIMA](#)  
[KAIYO](#)  
[YOKOSUKA](#)  
[MIRAI](#)  
[KAIREI](#)  
[CHIKYU](#)  
[KAIMEI](#)  
[SHINSEI MARU](#)  
[HAKUHO MARU](#)

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[KAIKO](#)  
[SHINKAI 2000](#)  
[SHINKAI 6500](#)  
[DEEP TOW](#)  
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[YOKOSUKA DEEP TOW](#)  
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Cruise ID:

#### Go to a Dive Information

Dive ID:

## MIRAI MR13-06 Leg1 Radiosonde

Last Modified: 2015-10-07

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

Cruise ID: [MR13-06 Leg1](#)

Radiosonde: Processed (DMO)-Corrected

Data Policy: [JAMSTEC](#)

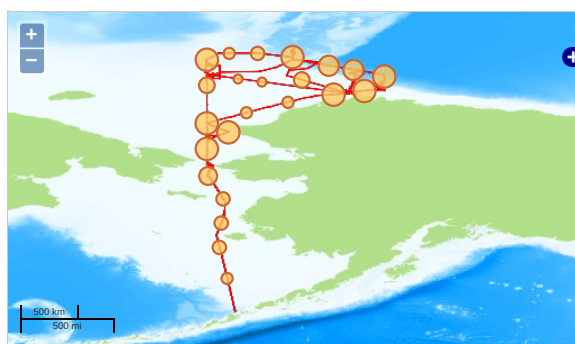
Observation Items: Atmospheric pressure, Air temperature, Dew point temperature, Relative humidity, Wind speed (zonal, meridional), Height

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

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

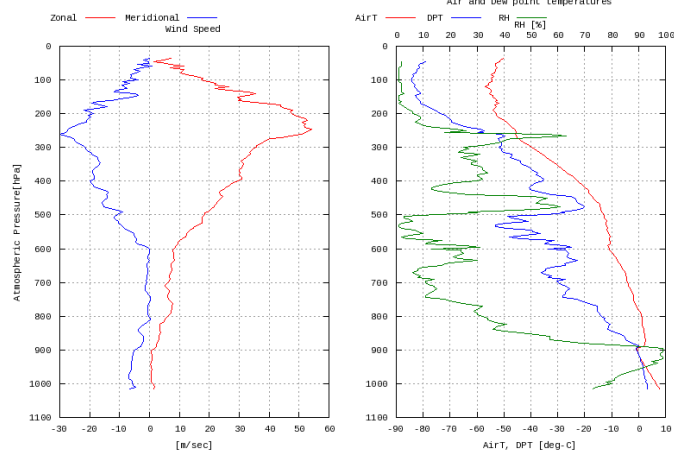


— ... Observation Line — ... Navigation ● ... Observation, Dive Point, Hole

### Figures

13083000

MR13-06 Leg1: 13083000  
Radiosonde



### Data List

☐ File names

☐ 13083000.dat

☐ 13083012.dat

☐ 13083100.dat

☐ 13083112.dat

☐ 13090100.dat

☐ 13090103.dat

☐ 13090106.dat

☐ 13090109.dat

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☐ 13090115.dat

















☐ 13090118.dat

☐ 13090121.dat

☐ 13090200.dat

☐ 13090203.dat



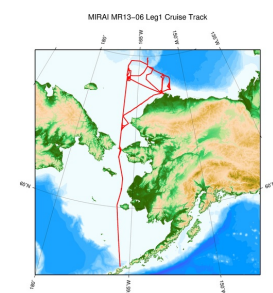
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#### MR13-06 Leg1

Ship Name: MIRAI

Period: 2013-08-28 - 2013-10-07

Chief Scientist: Shigeto Nishino (JAMSTEC)

Project Name: [Arctic Ocean Climate System Reaserch]

Proposal ▶ Study on environmental changes in the sea-ice reduction regions of the Arctic Ocean

Title:

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[Application for Data and Samples](#)

[Data Policy](#)

[What's New](#)

[Update History](#)

[Feeds](#)

#### Lists

[Publication List](#)

[Amount of Public Info.](#)

#### Data

[Map Search](#)

[Data Tree](#)

[Detailed Search](#)

#### Information of the Ships

[NATSUSHIMA](#)

[KAIYO](#)

[YOKOSUKA](#)

[MIRAI](#)

[KAIREI](#)

[CHIKYU](#)

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