

**For Using Data**

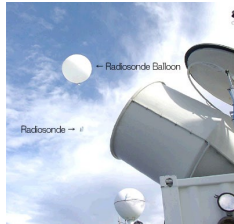
Data Policy	JAMSTEC
Principal Investigator	Data Management Office
Use Constraints	See Terms and Conditions about constrain of use.
Data Citation	See Terms and Conditions about data citation.

**Quality level**

Processed(DMO)-Corrected

**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)\*.

\* [https://www.godac.jamstec.go.jp/doc\\_catalog/view/metadata?key=shiken45\\_04&lang=en](https://www.godac.jamstec.go.jp/doc_catalog/view/metadata?key=shiken45_04&lang=en)

**Measurement System**

Sounding system

Manufacture : VAISALA  
Type : MW41 with DigiCORA Software  
Location : Radiosonde container

Sensor

Manufacture : VAISALA  
Type : RS41-SG/SGP \* See "Type" of "Radiosonde observation information"

Launch altitude: 18 m from the sea surface

**Note**

If you would like the raw data set, please contact DMO at "dmo@jamstec.go.jp".

## Radiosonde observation information

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 atomospheric 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	Atomospheric pressure [hPa]	Air temperature [deg-C]	Relative humidity1 [%]	Relative humidity2 [%]	
20080500.dat	2020/08/04	23:30	17.88N	135.00E	RS41-SGP	S0430752	195	1.1	N/A	0.1	N/A	
20080503.dat	2020/08/05	02:30	17.35N	135.00E	RS41-SGP	S0430751	196	1	N/A	0.1	N/A	
20080506.dat	2020/08/05	05:29	16.79N	135.01E	RS41-SGP	S0430753	196	1.03	N/A	0.5	N/A	
20080512.dat	2020/08/05	11:30	15.77N	135.00E	RS41-SGP	S0410867	198	1.08	N/A	0.2	N/A	
20080518.dat	2020/08/05	17:30	14.89N	134.98E	RS41-SGP	S0410868	198	1.26	N/A	0.4	N/A	Rain
20080600.dat	2020/08/05	23:30	13.80N	135.00E	RS41-SGP	S0520611	190	1.59	N/A	0.2	N/A	Drizzle
20080603.dat	2020/08/06	02:30	13.12N	134.99E	RS41-SGP	S0370664	200	1.23	N/A	0.1	N/A	
20080606.dat	2020/08/06	05:30	12.44N	135.01E	RS41-SGP	S0410869	199	0.97	N/A	0.2	N/A	
20080609.dat	2020/08/06	08:30	11.78N	134.98E	RS41-SGP	S0420709	198	1.26	N/A	0.1	N/A	
20080612.dat	2020/08/06	11:30	11.62N	135.08E	RS41-SGP	S0420711	198	1.21	N/A	0.3	N/A	
20080615.dat	2020/08/06	14:30	11.65N	134.99E	RS41-SGP	S0370690	200	0.96	N/A	0.1	N/A	Drizzle
20080618.dat	2020/08/06	17:30	11.62N	134.98E	RS41-SGP	S0440248	196	0.93	N/A	0.3	N/A	
20080621.dat	2020/08/06	20:30	11.64N	134.98E	RS41-SGP	S0430754	197	1.28	N/A	0.3	N/A	
20080700.dat	2020/08/06	23:30	11.77N	134.95E	RS41-SGP	S0370663	200	1.11	N/A	0.1	N/A	
20080703.dat	2020/08/07	02:29	11.73N	134.96E	RS41-SGP	S0370660	201	0.83	N/A	0.1	N/A	Drizzle
20080706.dat	2020/08/07	05:30	11.62N	134.98E	RS41-SGP	S0420945	199	1.51	N/A	0.2	N/A	
20080709.dat	2020/08/07	08:30	11.68N	134.96E	RS41-SGP	S0440244	197	1.23	N/A	0.2	N/A	
20080712.dat	2020/08/07	11:31	11.68N	134.95E	RS41-SGP	S0370687	201	0.93	N/A	0.1	N/A	
20080715.dat	2020/08/07	14:30	11.68N	134.95E	RS41-SGP	S0420947	199	1.24	N/A	0.1	N/A	
20080718.dat	2020/08/07	17:31	11.69N	134.95E	RS41-SGP	S0370681	201	1.44	N/A	0.2	N/A	
20080721.dat	2020/08/07	20:30	11.68N	134.95E	RS41-SGP	S0420714	199	1.19	N/A	0.2	N/A	Drizzle
20080800.dat	2020/08/07	23:30	11.68N	134.93E	RS41-SGP	S0370661	201	1.04	N/A	0.1	N/A	
20080803.dat	2020/08/08	02:30	11.65N	134.97E	RS41-SGP	S0420713	200	0.63	N/A	0.2	N/A	
20080806.dat	2020/08/08	05:31	11.64N	134.99E	RS41-SGP	S0410866	201	0.98	N/A	0.2	N/A	
20080809.dat	2020/08/08	08:30	11.64N	134.97E	RS41-SGP	S0420716	200	0.67	N/A	0.1	N/A	
20080812.dat	2020/08/08	11:30	11.65N	134.97E	RS41-SGP	S0370689	202	0.84	N/A	0.1	N/A	

20080815.dat	2020/08/08	14:30	11.65N	134.96E	RS41-SGP	S0370665	202	1.04	N/A	0.2	N/A	
20080818.dat	2020/08/08	17:30	11.64N	134.96E	RS41-SGP	S0420710	200	1.02	N/A	0.1	N/A	Drizzle
20080821.dat	2020/08/08	20:31	11.64N	134.96E	RS41-SGP	S0370662	202	1.05	N/A	0.2	N/A	
20080900.dat	2020/08/08	23:30	11.64N	134.96E	RS41-SGP	S0430756	199	1.21	N/A	0.5	N/A	
20080903.dat	2020/08/09	02:30	11.64N	134.96E	RS41-SGP	S0370688	203	0.87	N/A	0.1	N/A	
20080906.dat	2020/08/09	05:24	12.00N	134.99E	RS41-SGP	S0370679	203	0.97	N/A	0.2	N/A	Drizzle
20080909.dat	2020/08/09	08:38	12.01N	135.00E	RS41-SGP	S0370549	203	1.14	N/A	0.2	N/A	Drizzle
20080912.dat	2020/08/09	11:30	11.99N	135.00E	RS41-SGP	S0370498	203	1.36	N/A	0.1	N/A	
20080915.dat	2020/08/09	14:31	12.02N	135.02E	RS41-SGP	S0410533	202	0.92	N/A	0.1	N/A	
20080918.dat	2020/08/09	17:31	12.00N	135.00E	RS41-SGP	S0420712	201	1.18	N/A	0.2	N/A	Rain, Max; 4713m
20080921.dat	2020/08/09	20:30	11.99N	135.01E	RS41-SGP	S0520628	194	1.49	N/A	0.3	N/A	
20081000.dat	2020/08/09	23:41	12.01N	135.02E	RS41-SGP	S0370680	203	1.28	N/A	0.2	N/A	
20081003.dat	2020/08/10	02:30	12.01N	135.02E	RS41-SGP	S0420946	202	1.57	N/A	0.3	N/A	
20081006.dat	2020/08/10	05:30	12.02N	135.01E	RS41-SGP	S0440245	200	1.14	N/A	0.2	N/A	
20081009.dat	2020/08/10	08:30	11.99N	135.01E	RS41-SGP	S0410531	203	1.04	N/A	0.1	N/A	
20081012.dat	2020/08/10	11:30	12.01N	135.00E	RS41-SGP	S0370611	204	1.49	N/A	0	N/A	
20081015.dat	2020/08/10	14:30	12.01N	135.00E	RS41-SGP	S0410905	203	1.32	N/A	0.2	N/A	
20081018.dat	2020/08/10	17:30	12.01N	135.00E	RS41-SGP	S0370581	204	1.13	N/A	-0.1	N/A	
20081021.dat	2020/08/10	20:30	12.00N	135.01E	RS41-SGP	S0370580	204	1.6	N/A	0.4	N/A	
20081100.dat	2020/08/10	23:30	12.01N	135.00E	RS41-SGP	S0430002	201	0.92	N/A	0.1	N/A	
20081103.dat	2020/08/11	02:30	11.99N	135.00E	RS41-SGP	S0430017	202	0.23	N/A	0.2	N/A	
20081106.dat	2020/08/11	05:30	12.00N	135.00E	RS41-SGP	S0430001	202	1.23	N/A	0	N/A	
20081109.dat	2020/08/11	08:30	12.01N	135.00E	RS41-SGP	S0430004	202	0.94	N/A	0.2	N/A	
20081112.dat	2020/08/11	11:30	11.98N	135.00E	RS41-SGP	S0430006	202	0.93	N/A	0.2	N/A	
20081115.dat	2020/08/11	14:30	11.99N	134.99E	RS41-SGP	S0430015	202	0.68	N/A	0.1	N/A	
20081118.dat	2020/08/11	17:30	11.99N	135.00E	RS41-SGP	S0420967	203	0.84	N/A	0.3	N/A	Drizzle
20081121.dat	2020/08/11	20:30	11.98N	135.01E	RS41-SGP	S0430003	202	0.83	N/A	0	N/A	
20081200.dat	2020/08/11	23:30	12.01N	135.00E	RS41-SGP	S0410838	204	1.27	N/A	0.3	N/A	Rain
20081203.dat	2020/08/12	02:30	12.01N	135.01E	RS41-SGP	S0410836	205	1.07	N/A	-0.1	N/A	
20081206.dat	2020/08/12	05:30	11.99N	135.00E	RS41-SGP	S0410840	205	1.41	N/A	0.2	N/A	
20081209.dat	2020/08/12	08:30	12.01N	135.01E	RS41-SGP	S0410833	205	1.32	N/A	0.3	N/A	
20081212.dat	2020/08/12	11:30	12.01N	135.01E	RS41-SGP	S0410837	205	1.51	N/A	0.3	N/A	Rain
20081215.dat	2020/08/12	14:30	11.98N	134.99E	RS41-SGP	S0410835	205	1.29	N/A	0.3	N/A	
20081218.dat	2020/08/12	17:30	12.00N	135.00E	RS41-SGP	S0410839	205	1.48	N/A	0.2	N/A	
20081221.dat	2020/08/12	20:30	11.99N	135.00E	RS41-SGP	S0410538	205	0.97	N/A	0.5	N/A	
20081300.dat	2020/08/12	23:30	12.00N	134.99E	RS41-SGP	S0410904	205	1.43	N/A	0.2	N/A	
20081303.dat	2020/08/13	02:33	12.00N	134.99E	RS41-SGP	S0410539	206	1.07	N/A	0.2	N/A	
20081306.dat	2020/08/13	05:30	12.00N	135.00E	RS41-SGP	S0410540	206	1.18	N/A	0	N/A	

20081309.dat	2020/08/13	08:30	11.99N	135.00E	RS41-SGP	S0641251	189	1.15	N/A	-0.1	N/A	
20081312.dat	2020/08/13	11:30	12.00N	135.00E	RS41-SGP	S0370683	207	0.85	N/A	0.1	N/A	
20081315.dat	2020/08/13	14:30	12.00N	135.01E	RS41-SGP	S0410854	206	1.39	N/A	0.3	N/A	Rain
20081318.dat	2020/08/13	17:31	12.00N	135.02E	RS41-SGP	S0410853	206	1.02	N/A	0.1	N/A	
20081321.dat	2020/08/13	20:30	11.99N	135.00E	RS41-SGP	S0410843	206	1.01	N/A	0.5	N/A	
20081400.dat	2020/08/13	23:30	11.99N	135.00E	RS41-SGP	S0410870	206	0.97	N/A	0.3	N/A	
20081403.dat	2020/08/14	02:30	12.00N	135.01E	RS41-SGP	S0410844	207	0.96	N/A	0	N/A	
20081406.dat	2020/08/14	05:30	11.99N	135.01E	RS41-SGP	S0410842	207	1.04	N/A	0.3	N/A	
20081409.dat	2020/08/14	08:28	11.99N	134.99E	RS41-SGP	S0410834	207	1.44	N/A	0.4	N/A	Drizzle
20081412.dat	2020/08/14	11:30	12.01N	135.00E	RS41-SGP	S0410846	207	0.93	N/A	0.2	N/A	
20081415.dat	2020/08/14	14:31	12.01N	134.99E	RS41-SGP	S0410537	207	0.83	N/A	0.1	N/A	
20081418.dat	2020/08/14	17:30	12.00N	135.00E	RS41-SGP	S0410865	207	1.01	N/A	0.2	N/A	
20081421.dat	2020/08/14	20:30	12.00N	135.02E	RS41-SGP	S0370684	208	1	N/A	0.3	N/A	
20081500.dat	2020/08/14	23:30	12.00N	135.01E	RS41-SGP	S0370607	208	1.4	N/A	0.1	N/A	
20081503.dat	2020/08/15	02:30	12.00N	135.01E	RS41-SGP	S0370577	209	1.53	N/A	0.1	N/A	
20081506.dat	2020/08/15	05:30	12.00N	135.01E	RS41-SGP	S0370578	209	1.3	N/A	0	N/A	
20081509.dat	2020/08/15	08:31	11.99N	135.01E	RS41-SGP	S0370608	209	0.97	N/A	0.2	N/A	
20081512.dat	2020/08/15	11:31	12.00N	135.00E	RS41-SGP	S0410841	208	0.98	N/A	0.3	N/A	
20081515.dat	2020/08/15	14:30	12.01N	135.00E	RS41-SGP	S0410845	208	0.93	N/A	0.3	N/A	
20081518.dat	2020/08/15	17:30	12.01N	135.00E	RS41-SGP	S0410536	208	1.14	N/A	0.1	N/A	
20081521.dat	2020/08/15	20:30	12.00N	135.00E	RS41-SGP	S0420510	207	0.88	N/A	0.3	N/A	
20081600.dat	2020/08/15	23:30	12.01N	135.00E	RS41-SGP	S0420502	207	1.49	N/A	0.1	N/A	
20081603.dat	2020/08/16	02:30	12.00N	134.99E	RS41-SGP	S0420507	208	0.79	N/A	0.2	N/A	
20081606.dat	2020/08/16	05:30	12.01N	135.01E	RS41-SGP	S0420414	208	1.26	N/A	0.2	N/A	
20081609.dat	2020/08/16	08:30	12.00N	135.01E	RS41-SGP	S0410886	209	1.02	N/A	0.2	N/A	
20081612.dat	2020/08/16	11:30	12.01N	135.00E	RS41-SGP	S0410847	209	1.13	N/A	0.3	N/A	
20081615.dat	2020/08/16	14:30	12.02N	135.00E	RS41-SGP	S0420500	208	0.74	N/A	0.4	N/A	
20081618.dat	2020/08/16	17:30	12.00N	134.99E	RS41-SGP	S0370579	210	1.37	N/A	0	N/A	
20081621.dat	2020/08/16	20:30	11.99N	134.99E	RS41-SGP	S0410848	209	0.98	N/A	0.1	N/A	
20081700.dat	2020/08/16	23:30	11.87N	135.00E	RS41-SGP	S0410882	209	0.89	N/A	0.2	N/A	
20081703.dat	2020/08/17	02:30	12.01N	135.02E	RS41-SGP	S0430702	208	1.22	N/A	0	N/A	
20081706.dat	2020/08/17	05:31	12.00N	135.01E	RS41-SGP	S0370612	211	1.4	N/A	0	N/A	
20081709.dat	2020/08/17	08:30	12.01N	135.00E	RS41-SGP	S0410850	210	0.91	N/A	0.2	N/A	
20081712.dat	2020/08/17	11:30	11.99N	135.00E	RS41-SGP	S0410884	210	1.01	N/A	0.2	N/A	
20081715.dat	2020/08/17	14:30	12.00N	135.01E	RS41-SGP	S0410885	210	0.99	N/A	0	N/A	
20081718.dat	2020/08/17	17:31	12.00N	135.00E	RS41-SGP	S0370682	211	0.97	N/A	0.2	N/A	
20081721.dat	2020/08/17	20:30	11.99N	134.99E	RS41-SGP	S0410880	210	0.51	N/A	0.2	N/A	
20081800.dat	2020/08/17	23:45	12.00N	135.00E	RS41-SGP	S0420413	209	0.73	N/A	0	N/A	

20081803.dat	2020/08/18	02:30	12.01N	134.99E	RS41-SGP	S0420508	210	1.31	N/A	0	N/A	
20081806.dat	2020/08/18	05:26	11.97N	134.76E	RS41-SGP	S0420505	210	0.86	N/A	0.2	N/A	
20081809.dat	2020/08/18	08:30	11.99N	135.01E	RS41-SGP	S0420506	210	1.29	N/A	0.2	N/A	
20081812.dat	2020/08/18	11:30	11.99N	135.01E	RS41-SGP	S0410849	211	0.87	N/A	0.2	N/A	
20081815.dat	2020/08/18	14:30	11.99N	135.00E	RS41-SGP	S0410851	211	0.79	N/A	0.3	N/A	
20081818.dat	2020/08/18	17:30	11.99N	135.00E	RS41-SGP	S0410852	211	0.93	N/A	0.1	N/A	
20081821.dat	2020/08/18	20:30	12.00N	135.01E	RS41-SGP	S0420501	210	1.27	N/A	0.3	N/A	
20081900.dat	2020/08/18	23:30	12.01N	135.01E	RS41-SGP	S0420442	210	1.27	N/A	0.2	N/A	
20081903.dat	2020/08/19	02:30	12.01N	135.01E	RS41-SGP	S0420411	211	1.23	N/A	0	N/A	
20081906.dat	2020/08/19	05:30	12.00N	135.02E	RS41-SGP	S0370569	213	0.99	N/A	0.2	N/A	
20081909.dat	2020/08/19	08:30	12.00N	135.01E	RS41-SGP	S0370652	213	1.27	N/A	0.2	N/A	
20081912.dat	2020/08/19	11:30	12.00N	135.01E	RS41-SGP	S0430019	210	1.11	N/A	0.2	N/A	
20081915.dat	2020/08/19	14:30	11.99N	135.02E	RS41-SGP	S0370570	213	1.29	N/A	0.2	N/A	
20081918.dat	2020/08/19	17:30	11.99N	135.01E	RS41-SGP	S0370643	213	1.29	N/A	0.3	N/A	
20081921.dat	2020/08/19	20:30	12.00N	135.01E	RS41-SGP	S0370563	213	0.78	N/A	0.2	N/A	
20082000.dat	2020/08/19	23:30	12.01N	135.01E	RS41-SGP	S0430746	210	1.01	N/A	0.2	N/A	
20082003.dat	2020/08/20	02:30	12.00N	135.02E	RS41-SGP	S0420444	212	1.14	N/A	-0.1	N/A	
20082006.dat	2020/08/20	05:30	11.99N	135.03E	RS41-SGP	S0420513	212	1.23	N/A	0.1	N/A	
20082009.dat	2020/08/20	08:30	11.99N	135.01E	RS41-SGP	S0420440	212	0.89	N/A	0.2	N/A	
20082012.dat	2020/08/20	11:30	11.99N	135.01E	RS41-SGP	S0420516	212	1.19	N/A	0.2	N/A	
20082015.dat	2020/08/20	14:30	12.02N	135.00E	RS41-SGP	S0410529	213	1.47	N/A	0.1	N/A	
20082018.dat	2020/08/20	17:30	11.99N	134.98E	RS41-SGP	S0370561	214	0.79	N/A	0	N/A	
20082021.dat	2020/08/20	20:30	11.99N	134.99E	RS41-SGP	S0430747	211	1.32	N/A	0.2	N/A	
20082100.dat	2020/08/20	23:30	11.92N	135.00E	RS41-SGP	S0370588	214	0.96	N/A	0.2	N/A	
20082103.dat	2020/08/21	02:30	12.00N	134.99E	RS41-SGP	S0430022	212	0.96	N/A	0.4	N/A	
20082106.dat	2020/08/21	05:30	12.01N	134.99E	RS41-SGP	S0370566	215	1.15	N/A	0.1	N/A	
20082109.dat	2020/08/21	08:30	12.00N	134.99E	RS41-SGP	S0370646	215	1.46	N/A	0.2	N/A	
20082112.dat	2020/08/21	11:30	12.00N	134.98E	RS41-SGP	S0420410	213	1.33	N/A	0.1	N/A	
20082115.dat	2020/08/21	14:30	12.00N	134.99E	RS41-SGP	S0430750	212	1.34	N/A	0.1	N/A	
20082118.dat	2020/08/21	17:30	12.00N	135.00E	RS41-SGP	S0430749	212	0.72	N/A	0	N/A	
20082121.dat	2020/08/21	20:30	12.00N	135.01E	RS41-SGP	S0420441	213	1.53	N/A	0.3	N/A	
20082200.dat	2020/08/21	23:31	11.99N	135.00E	RS41-SGP	S0420511	213	1.37	N/A	0.2	N/A	
20082203.dat	2020/08/22	02:30	12.01N	134.98E	RS41-SGP	S0370650	216	0.95	N/A	0.1	N/A	
20082206.dat	2020/08/22	05:30	11.81N	134.68E	RS41-SGP	S0420443	214	1.2	N/A	0.1	N/A	
20082209.dat	2020/08/22	08:30	12.00N	135.00E	RS41-SGP	S0420933	214	0.97	N/A	0.3	N/A	
20082212.dat	2020/08/22	11:30	11.99N	135.00E	RS41-SGP	S0370653	216	0.99	N/A	-0.1	N/A	
20082215.dat	2020/08/22	14:30	11.98N	135.00E	RS41-SGP	S0370375	216	1.28	N/A	0.2	N/A	
20082218.dat	2020/08/22	17:31	11.98N	135.00E	RS41-SGP	S0370374	216	1.51	N/A	0.1	N/A	Drizzle

20082221.dat	2020/08/22	20:30	11.99N	135.01E	RS41-SGP	S0420514	214	1.26	N/A	0.2	N/A	
20082300.dat	2020/08/22	23:30	11.99N	135.01E	RS41-SGP	S0370644	216	1.55	N/A	0.1	N/A	
20082303.dat	2020/08/23	02:30	11.98N	135.01E	RS41-SGP	S0370562	217	1.28	N/A	0.2	N/A	
20082306.dat	2020/08/23	05:30	12.00N	135.00E	RS41-SGP	S0370568	217	1.57	N/A	0.1	N/A	
20082309.dat	2020/08/23	08:30	12.01N	135.00E	RS41-SGP	S0410923	216	1.48	N/A	0.3	N/A	
20082312.dat	2020/08/23	11:30	12.00N	135.00E	RS41-SGP	S0420515	215	1.19	N/A	0.2	N/A	
20082315.dat	2020/08/23	14:30	12.00N	135.00E	RS41-SGP	S0430748	214	0.87	N/A	0.2	N/A	
20082318.dat	2020/08/23	17:30	12.00N	135.00E	RS41-SGP	S0420512	215	1.41	N/A	0	N/A	
20082321.dat	2020/08/23	20:30	12.00N	135.00E	RS41-SGP	S0370625	217	1.57	N/A	0.3	N/A	
20082400.dat	2020/08/23	23:30	11.99N	135.00E	RS41-SGP	S0430032	214	1	N/A	0	N/A	Drizzle
20082403.dat	2020/08/24	02:30	11.99N	134.98E	RS41-SGP	S0420465	216	1.44	N/A	0.2	N/A	
20082406.dat	2020/08/24	05:30	12.00N	134.99E	RS41-SGP	S0420943	216	1.25	N/A	0.1	N/A	
20082409.dat	2020/08/24	08:30	12.00N	135.00E	RS41-SGP	S0410534	217	1.49	N/A	0.3	N/A	
20082412.dat	2020/08/24	11:30	12.00N	135.01E	RS41-SGP	S0370565	218	0.81	N/A	0.3	N/A	
20082415.dat	2020/08/24	14:30	12.00N	135.00E	RS41-SGP	S0430731	215	0.77	N/A	0.2	N/A	
20082418.dat	2020/08/24	17:30	12.00N	135.00E	RS41-SGP	S0420944	216	0.78	N/A	0.3	N/A	
20082421.dat	2020/08/24	20:27	12.00N	135.00E	RS41-SGP	S0420472	216	1.44	N/A	0.2	N/A	Rain
20082500.dat	2020/08/24	23:26	12.00N	135.01E	RS41-SGP	S0430027	215	0.99	N/A	0.3	N/A	Rain
20082503.dat	2020/08/25	02:30	12.00N	135.00E	RS41-SGP	S0420412	217	1.32	N/A	0.3	N/A	
20082506.dat	2020/08/25	05:30	11.99N	135.00E	RS41-SGP	S0420466	217	1.56	N/A	0	N/A	Drizzle
20082509.dat	2020/08/25	08:30	11.99N	135.00E	RS41-SGP	S0430041	216	0.99	N/A	0.3	N/A	
20082512.dat	2020/08/25	11:30	11.98N	134.99E	RS41-SGP	S0430040	216	0.97	N/A	0	N/A	
20082515.dat	2020/08/25	14:30	11.98N	134.98E	RS41-SGP	S0430025	216	1.28	N/A	0.2	N/A	
20082518.dat	2020/08/25	17:30	11.98N	134.98E	RS41-SGP	S0641254	201	1.48	N/A	-0.1	N/A	
20082521.dat	2020/08/25	20:27	11.99N	135.01E	RS41-SGP	S0430727	216	0.91	N/A	0.2	N/A	Rain
20082600.dat	2020/08/25	23:24	12.00N	135.00E	RS41-SGP	S0370373	219	0.93	N/A	0.3	N/A	Rain
20082603.dat	2020/08/26	02:30	11.99N	135.00E	RS41-SGP	S0430730	217	1.33	N/A	0.1	N/A	Drizzle
20082606.dat	2020/08/26	05:30	11.98N	135.00E	RS41-SGP	S0430733	217	1.38	N/A	0.1	N/A	Rain
20082609.dat	2020/08/26	08:30	12.00N	135.00E	RS41-SGP	S0420470	218	1.16	N/A	0.3	N/A	
20082612.dat	2020/08/26	11:30	12.00N	135.01E	RS41-SGP	S0420468	218	0.93	N/A	0.3	N/A	
20082615.dat	2020/08/26	14:30	12.00N	135.02E	RS41-SGP	S0420463	218	0.95	N/A	0.1	N/A	
20082618.dat	2020/08/26	17:30	12.00N	135.01E	RS41-SGP	S0420474	218	1.45	N/A	0.2	N/A	
20082621.dat	2020/08/26	20:30	12.00N	135.00E	RS41-SGP	S0420473	218	1.59	N/A	0	N/A	Rain
20082700.dat	2020/08/26	23:30	11.99N	135.01E	RS41-SGP	S0350980	222	1	N/A	0.1	N/A	
20082703.dat	2020/08/27	02:30	11.99N	135.02E	RS41-SGP	S0430016	218	0.84	N/A	0.2	N/A	
20082706.dat	2020/08/27	05:30	12.00N	135.00E	RS41-SGP	S0430018	218	1.28	N/A	0.2	N/A	
20082709.dat	2020/08/27	08:30	12.00N	135.01E	RS41-SGP	S0360489	222	1.42	N/A	0.3	N/A	
20082712.dat	2020/08/27	11:30	11.99N	135.00E	RS41-SGP	S0360490	222	1.41	N/A	0.3	N/A	

20082715.dat	2020/08/27	14:30	11.98N	135.01E	RS41-SGP	S0430745	218	0.96	N/A	0.2	N/A	
20082718.dat	2020/08/27	17:30	12.01N	135.00E	RS41-SGP	S0420469	219	0.82	N/A	0.2	N/A	
20082721.dat	2020/08/27	20:30	12.00N	135.00E	RS41-SGP	S0420453	219	1.38	N/A	0.1	N/A	
20082800.dat	2020/08/27	23:30	11.99N	135.01E	RS41-SGP	S0420452	219	1.31	N/A	0.2	N/A	
20082803.dat	2020/08/28	02:30	11.99N	135.00E	RS41-SGP	S0360494	223	1.22	N/A	0.3	N/A	Rain
20082806.dat	2020/08/28	05:37	11.99N	135.01E	RS41-SGP	S0430012	219	1.29	N/A	0.2	N/A	Rain
20082809.dat	2020/08/28	08:30	12.00N	135.00E	RS41-SGP	S0420879	220	0.93	N/A	0.4	N/A	
20082812.dat	2020/08/28	11:30	11.98N	134.99E	RS41-SGP	S0430039	219	0.83	N/A	0.3	N/A	
20082815.dat	2020/08/28	14:31	11.98N	135.00E	RS41-SGP	S0420464	220	1.5	N/A	0.2	N/A	
20082818.dat	2020/08/28	17:30	12.01N	135.02E	RS41-SGP	S0430728	219	0.97	N/A	0.1	N/A	
20082821.dat	2020/08/28	20:30	12.00N	135.02E	RS41-SGP	S0420467	220	0.8	N/A	0.1	N/A	
20082900.dat	2020/08/28	23:30	11.99N	135.01E	RS41-SGP	S0430007	219	1.06	N/A	0.2	N/A	
20082903.dat	2020/08/29	02:30	11.98N	135.02E	RS41-SGP	S0430043	220	1.5	N/A	0.1	N/A	
20082906.dat	2020/08/29	05:30	12.00N	135.02E	RS41-SGP	S0430013	220	1.25	N/A	0.2	N/A	
20082909.dat	2020/08/29	08:30	12.00N	135.01E	RS41-SGP	S0430021	220	1.17	N/A	0.1	N/A	
20082912.dat	2020/08/29	11:30	12.00N	135.02E	RS41-SGP	S0430047	220	0.92	N/A	0.1	N/A	Rain
20082915.dat	2020/08/29	14:25	11.99N	135.02E	RS41-SGP	S0360496	224	0.77	N/A	0.2	N/A	Rain
20082918.dat	2020/08/29	17:30	12.00N	135.02E	RS41-SGP	S0430046	220	0.88	N/A	0.1	N/A	
20082921.dat	2020/08/29	20:30	12.00N	135.02E	RS41-SGP	S0360497	224	0.89	N/A	-0.1	N/A	
20083000.dat	2020/08/29	23:31	12.00N	135.01E	RS41-SGP	S0420455	221	0.88	N/A	0.2	N/A	
20083003.dat	2020/08/30	02:30	11.99N	135.02E	RS41-SGP	S0430014	221	1.44	N/A	0.2	N/A	Fog
20083006.dat	2020/08/30	05:30	12.00N	135.01E	RS41-SGP	S0430020	221	0.76	N/A	0.1	N/A	Fog
20083009.dat	2020/08/30	08:30	11.99N	135.01E	RS41-SGP	S0420450	222	1.29	N/A	0.3	N/A	
20083012.dat	2020/08/30	11:30	11.99N	135.01E	RS41-SGP	S0420969	222	1.28	N/A	0.1	N/A	
20083015.dat	2020/08/30	14:30	12.01N	135.00E	RS41-SGP	S0360491	225	1.39	N/A	0.3	N/A	
20083018.dat	2020/08/30	17:30	12.00N	135.01E	RS41-SGP	S0360498	225	1.46	N/A	0.1	N/A	
20083021.dat	2020/08/30	20:30	12.00N	135.02E	RS41-SGP	S0430009	221	0.97	N/A	0.3	N/A	
20083100.dat	2020/08/30	23:30	12.01N	134.99E	RS41-SGP	S0430045	221	1.36	N/A	0.3	N/A	
20083103.dat	2020/08/31	02:30	12.00N	135.02E	RS41-SGP	S0420456	223	1.03	N/A	0.1	N/A	
20083106.dat	2020/08/31	05:30	12.00N	134.99E	RS41-SGP	S0430044	222	1.4	N/A	0.2	N/A	
20083109.dat	2020/08/31	08:30	12.01N	135.01E	RS41-SGP	S0360488	226	1.24	N/A	0.2	N/A	
20083112.dat	2020/08/31	11:30	12.02N	135.00E	RS41-SGP	S0370422	225	1.44	N/A	0.2	N/A	Rain
20083115.dat	2020/08/31	14:30	12.02N	135.00E	RS41-SGP	S0420970	223	1.35	N/A	0.2	N/A	
20083118.dat	2020/08/31	17:30	12.01N	135.00E	RS41-SGP	S0350981	227	1.16	N/A	0.1	N/A	
20083121.dat	2020/08/31	20:30	12.00N	135.00E	RS41-SGP	S0440251	221	1.12	N/A	0.2	N/A	
20090100.dat	2020/08/31	23:30	11.91N	134.91E	RS41-SGP	S0440259	221	1.4	N/A	0.2	N/A	
20090103.dat	2020/09/01	02:29	12.01N	134.98E	RS41-SGP	S0420504	224	0.88	N/A	0.1	N/A	
20090106.dat	2020/09/01	05:29	12.01N	135.00E	RS41-SGP	S0360495	227	0.78	N/A	0.1	N/A	

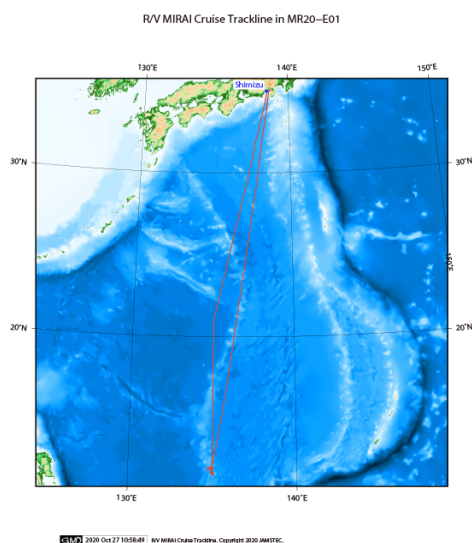
20090109.dat	2020/09/01	08:30	12.02N	135.00E	RS41-SGP	S0370526	226	1.03	N/A	0.1	N/A	Rain
20090112.dat	2020/09/01	11:25	12.01N	134.99E	RS41-SGP	S0540241	215	1.12	N/A	0.3	N/A	
20090115.dat	2020/09/01	14:30	12.02N	135.00E	RS41-SGP	S0360493	227	0.81	N/A	0.2	N/A	
20090118.dat	2020/09/01	17:30	12.01N	135.00E	RS41-SGP	S0420972	224	1.17	N/A	0.2	N/A	
20090121.dat	2020/09/01	20:30	12.01N	135.00E	RS41-SGP	S0420451	224	1.38	N/A	0.2	N/A	
20090200.dat	2020/09/01	23:30	12.01N	135.00E	RS41-SGP	S0360742	227	1.43	N/A	0.1	N/A	
20090203.dat	2020/09/02	02:30	12.00N	135.00E	RS41-SGP	S0440247	223	1.08	N/A	0.2	N/A	
20090206.dat	2020/09/02	05:30	11.97N	134.70E	RS41-SGP	S0370527	227	0.65	N/A	0.2	N/A	
20090209.dat	2020/09/02	08:30	12.00N	134.99E	RS41-SGP	S0420503	225	1.46	N/A	0	N/A	
20090212.dat	2020/09/02	11:30	12.01N	134.99E	RS41-SGP	S0420973	225	0.89	N/A	0.2	N/A	
20090215.dat	2020/09/02	14:30	12.00N	135.02E	RS41-SGP	S0420974	225	1.47	N/A	0.4	N/A	
20090218.dat	2020/09/02	17:30	12.00N	135.03E	RS41-SGP	S0440252	223	0.5	N/A	0.3	N/A	
20090221.dat	2020/09/02	20:30	11.99N	135.02E	RS41-SGP	S0440264	223	1.03	N/A	0.1	N/A	
20090300.dat	2020/09/02	23:30	12.00N	135.01E	RS41-SGP	S0440262	223	1.23	N/A	0.1	N/A	
20090303.dat	2020/09/03	02:30	11.99N	135.01E	RS41-SGP	S0440261	224	1.32	N/A	0.1	N/A	
20090306.dat	2020/09/03	05:30	11.98N	135.01E	RS41-SGP	S0370523	228	1.53	N/A	0.2	N/A	
20090309.dat	2020/09/03	08:30	11.98N	135.01E	RS41-SGP	S0420448	226	1.15	N/A	0.1	N/A	
20090312.dat	2020/09/03	11:30	11.98N	135.01E	RS41-SGP	S0420962	226	1.26	N/A	0.3	N/A	
20090315.dat	2020/09/03	14:30	11.98N	135.00E	RS41-SGP	S0420981	226	1.33	N/A	0.2	N/A	
20090318.dat	2020/09/03	17:30	11.99N	135.00E	RS41-SGP	S0440263	224	1.27	N/A	0.1	N/A	
20090321.dat	2020/09/03	20:30	11.98N	135.02E	RS41-SGP	S0420984	226	1.27	N/A	0.2	N/A	
20090400.dat	2020/09/03	23:30	11.98N	135.02E	RS41-SGP	S0430028	225	1.4	N/A	0	N/A	
20090403.dat	2020/09/04	02:30	11.96N	134.97E	RS41-SGP	S0370524	229	1.23	N/A	0.1	N/A	
20090406.dat	2020/09/04	05:30	11.99N	135.02E	RS41-SGP	S0420499	227	1.55	N/A	0.2	N/A	
20090409.dat	2020/09/04	08:31	12.00N	135.02E	RS41-SGP	S0440250	225	1.26	N/A	0	N/A	
20090412.dat	2020/09/04	11:30	12.00N	135.02E	RS41-SGP	S0440260	225	1.17	N/A	0.2	N/A	
20090415.dat	2020/09/04	14:30	11.99N	135.02E	RS41-SGP	S0420976	227	1.37	N/A	0.3	N/A	
20090418.dat	2020/09/04	17:30	12.00N	135.02E	RS41-SGP	S0370628	229	0.64	N/A	0.2	N/A	
20090421.dat	2020/09/04	20:30	11.98N	135.01E	RS41-SGP	S0430029	226	1.45	N/A	0.3	N/A	
20090500.dat	2020/09/04	23:30	11.98N	135.01E	RS41-SGP	S0420975	227	1	N/A	0.3	N/A	
20090503.dat	2020/09/05	02:30	12.00N	135.02E	RS41-SGP	S0440243	226	0.78	N/A	0.2	N/A	
20090506.dat	2020/09/05	05:30	11.98N	135.02E	RS41-SGP	S0420977	228	1.55	N/A	0.2	N/A	
20090509.dat	2020/09/05	08:30	12.02N	135.00E	RS41-SGP	S0420841	228	0.95	N/A	0.2	N/A	
20090512.dat	2020/09/05	11:26	12.02N	135.00E	RS41-SGP	S0420983	228	1.03	N/A	0.1	N/A	
20090515.dat	2020/09/05	14:30	12.01N	135.00E	RS41-SGP	S0420978	228	0.94	N/A	0.4	N/A	
20090518.dat	2020/09/05	17:30	12.01N	135.01E	RS41-SGP	S0430010	227	0.86	N/A	0.2	N/A	
20090521.dat	2020/09/05	20:30	12.00N	135.02E	RS41-SGP	S0420982	228	1.16	N/A	0.3	N/A	
20090600.dat	2020/09/05	23:30	12.00N	135.02E	RS41-SGP	S0420964	228	1.32	N/A	0.3	N/A	



20090603.dat	2020/09/06	02:30	11.99N	135.00E	RS41-SGP	S0440249	227	0.92	N/A	0.2	N/A	
20090606.dat	2020/09/06	05:30	12.00N	134.91E	RS41-SGP	S0430024	228	1.12	N/A	0.1	N/A	
20090609.dat	2020/09/06	08:30	12.01N	135.01E	RS41-SGP	S0440242	227	1.03	N/A	0.3	N/A	
20090612.dat	2020/09/06	11:30	12.02N	135.00E	RS41-SGP	S0440241	227	1.05	N/A	0.2	N/A	
20090615.dat	2020/09/06	14:30	12.02N	135.01E	RS41-SGP	S0420986	229	1.09	N/A	0.2	N/A	
20090618.dat	2020/09/06	17:30	12.01N	135.01E	RS41-SGP	S0420985	229	1.31	N/A	0.2	N/A	
20090621.dat	2020/09/06	20:30	12.02N	134.99E	RS41-SGP	S0420961	229	0.85	N/A	0.2	N/A	
20090700.dat	2020/09/06	23:30	12.00N	134.99E	RS41-SGP	S0420445	229	1.55	N/A	0.1	N/A	
20090703.dat	2020/09/07	02:30	11.99N	135.00E	RS41-SGP	S0421008	230	1.25	N/A	0.2	N/A	
20090706.dat	2020/09/07	05:29	11.89N	134.84E	RS41-SGP	S0420988	230	1.24	N/A	0.1	N/A	
20090709.dat	2020/09/07	08:30	12.00N	134.98E	RS41-SGP	S0420989	230	1.24	N/A	0.1	N/A	
20090712.dat	2020/09/07	11:30	12.00N	134.98E	RS41-SGP	S0421004	230	1.21	N/A	0.2	N/A	
20090715.dat	2020/09/07	14:30	12.01N	135.01E	RS41-SGP	S0420987	230	0.26	N/A	0.1	N/A	
20090718.dat	2020/09/07	17:30	12.01N	135.00E	RS41-SGP	S0370391	232	1.19	N/A	0.1	N/A	
20090721.dat	2020/09/07	20:31	11.64N	134.94E	RS41-SGP	S0370392	232	0.71	N/A	0.2	N/A	Drizzle
20090800.dat	2020/09/07	23:30	11.62N	134.93E	RS41-SGP	S0370364	232	1.17	N/A	0.2	N/A	
20090803.dat	2020/09/08	02:30	11.62N	134.90E	RS41-SGP	S0370366	233	1.23	N/A	0.1	N/A	Drizzle
20090806.dat	2020/09/08	05:30	11.70N	134.91E	RS41-SGP	S0370384	233	1.34	N/A	0.2	N/A	
20090809.dat	2020/09/08	08:30	12.26N	135.01E	RS41-SGP	S0440312	229	1.13	N/A	0.1	N/A	
20090812.dat	2020/09/08	11:30	12.86N	135.11E	RS41-SGP	S0410855	232	1.41	N/A	0	N/A	
20090815.dat	2020/09/08	14:31	13.43N	135.24E	RS41-SGP	S0370341	233	0.67	N/A	0.2	N/A	
20090818.dat	2020/09/08	17:29	13.96N	135.33E	RS41-SGP	S0370423	233	1.39	N/A	0.2	N/A	
20090821.dat	2020/09/08	20:30	14.45N	135.42E	RS41-SGP	S0370361	233	0.77	N/A	0.2	N/A	
20090900.dat	2020/09/08	23:30	14.98N	135.51E	RS41-SGP	S0370394	233	1.36	N/A	0.1	N/A	
20090903.dat	2020/09/09	02:31	15.55N	135.60E	RS41-SGP	S0440310	230	1.12	N/A	0.3	N/A	Rain
20090906.dat	2020/09/09	05:30	16.10N	135.70E	RS41-SGP	S0440311	230	1.15	N/A	0.2	N/A	Rain
20090909.dat	2020/09/09	08:31	16.64N	135.78E	RS41-SGP	S0410856	233	0.91	N/A	0.2	N/A	
20090912.dat	2020/09/09	11:33	17.17N	135.86E	RS41-SGP	S0440309	230	1.27	N/A	0.2	N/A	
20090915.dat	2020/09/09	14:30	17.76N	135.95E	RS41-SGP	S0370393	234	1.4	N/A	0.2	N/A	
20090918.dat	2020/09/09	17:29	18.32N	136.03E	RS41-SGP	S0370362	234	1.43	N/A	0.2	N/A	
20090921.dat	2020/09/09	20:31	18.88N	136.11E	RS41-SGP	S0370382	234	1.08	N/A	0.1	N/A	
20091000.dat	2020/09/09	23:31	19.42N	136.19E	RS41-SGP	S0370383	234	1.15	N/A	0.2	N/A	
20091003.dat	2020/09/10	02:30	19.93N	136.26E	RS41-SGP	S0370421	235	1.23	N/A	0.2	N/A	
20091006.dat	2020/09/10	05:30	20.47N	136.35E	RS41-SGP	S0370395	235	1.36	N/A	0	N/A	

## Related Information

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### MR20-E01

Ship Name:

MIRAI

Period:

2020/08/01 - 2020/09/13

Chief Scientist:

Satoru Yokoi (JAMSTEC)

Proposal:

Study on air-sea interaction associated with the northward-propagating boreal summer intraseasonal oscillation

Observational study on variation of precipitation and vapor isotope ratio associated with MJO

Observational study for upper-ocean stratification: Case of tropical western Pacific

Observation of aerosol optical characteristics over the ocean

Measurement of column-integrated CO<sub>2</sub> density in the atmosphere

Continuous observation of precipitable water vapor using microwave radiometer

Study on impacts of aerosols on precipitation and lightning

Study on mechanisms for convective clustering associated with northward-propagating intraseasonal oscillation

Analysis of fine vertical structure of oceanographic parameters over the tropical western Pacific

## Format Description for Radiosonde

### Radiosonde Corrected

No.	Column	Content	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/s	"9999.0" is missing value.
6	36 - 41	Wind speed (meridional)	f6.1	m/s	"9999.0" is missing value.
7	44 - 48	Height (from sea level)	i5	m	"9999.0" is missing value.
8	49 - 50	Terminator	a2		[CR][LF]