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MR02-K01
Ship Name: MIRAI
Period: 2002-01-07 - 2002-02-15
Chief Scientist: Takeshi Kawano (JAMSTEC)

Update History

2014-07-18	An observation data was registerd.
2012-12-25	An observation data was registerd.

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POWER GRAB
SAMPLER (SHELL)
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SAMPLER (CLOW)
BMS

Go to a Cruise Information

Cruise ID:

Go to a Dive Information

Dive ID:

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JAPAN AGENCY FOR MARINE-EARTH SCIENCE AND TECHNOLOGY

MIRAI MR02-K01 Cloud Ceiling

Last Modified: 2014-07-18

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Cruise ID: [MR02-K01](#)

Cloud Ceiling: Raw

Data Policy: [JAMSTEC](#)

Ceiling Raw

The record length of the data file is 56 bytes.

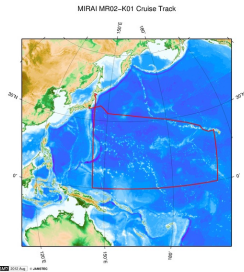
No.	Column	Content	Format	Remarks
1	1 - 8	Date	i4,i2,i2	YYYYMMDD (UTC)
2	10 - 15	Time	i2,i2,i2	hhmmss (UTC)
3	17 - 19	Operating software	a3	'CT0' : CT-VIEW 'CL0' : CL-VIEW
4	20 - 21	Software version	i2	Version of operating software
5	22	Data status	i1	1: Cloud base height/vertical visibility data 2: Cloud base height/vertical visibility, backscatter signal 6: Cloud base height/vertical visibility, cloud amount/height of cloud layer 7: Cloud base height/vertical visibility, backscatter signal, cloud amount/height of cloud layer
6	23	Spare character	a1	
7	25	Detection status	i1	0: Clear 1: One cloud base detected 2: Two cloud bases detected 3: Three cloud bases detected 4: Full obscuration determined but no cloud base detected 5: Some obscuration detected but determined to transparent
8	26	Warning and alarm information	a1	0: Self-check OK W: At least one warning active, no alarms A: At least one alarm active See No.12:observation information
9	28 - 32	Lowest cloud base height or vertical visibility	i5	In the case of detection status is 1,2 or 3: Lowest cloud base height In the case of detection status is 4: Calculation of vertical visibility In the case of detection status is 0 or 5: ///// Unit: See No.12:observation information
10	34 - 38	Second lowest cloud base height or highest signal detected	i5	In the case of detection status is 2 or 3: Second lowest cloud base height In the case of detection status is 4: Maximum height that a signal was detected In the case of detection status is 0,1 or 5: ///// Unit: See No.12:observation information
11	40 - 44	Highest cloud base height	i5	In the case of detection status is 3: Highest cloud base height In the case of detection status is 0,1,2,4,5: ///// Unit: See No.12:observation information
12	46 - 53	Observation information	a8	*1
13	55 - 56	Terminator	a2	CR+LF

*1: Observation information

The information is presented using 8 bytes characters. Each character, indicated in hexadecimal character, shows the following meanings;

Byte	Hexadecimal character (0:on, -:off)																Message(A:alarm, W:warning)
	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	
1	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	Laser temperature shut-off(A)
	-	-	-	-	0	0	0	0	-	-	-	0	0	0	0	0	Laser failure(A)
	-	-	0	0	-	-	0	0	-	-	0	0	-	-	0	0	Receiver failure(A)
	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	Voltage failure(A)
2	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	Spare(A)
	-	-	-	-	0	0	0	0	-	-	-	0	0	0	0	0	Spare(A)
	-	-	0	0	-	-	0	0	-	-	0	0	-	-	0	0	Spare(A)
	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	Spare(A)
3	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	Windows contaminated(W)
	-	-	-	-	0	0	0	0	-	-	-	0	0	0	0	0	Battery low(W)
	-	-	0	0	-	-	0	0	-	-	0	0	-	-	0	0	Laser power low(W)
	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	Laser temperature high or low(W)
4	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	Internal temperature high or low(W)
	-	-	-	-	0	0	0	0	-	-	-	0	0	0	0	0	Voltage high or low(W)
	-	-	0	0	-	-	0	0	-	-	0	0	-	-	0	0	Relative Humidity is > 85%(W)
	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	Receiver cross-talk compensation poor(W)
5	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	Blower suspect(W)
	-	-	-	-	0	0	0	0	-	-	-	0	0	0	0	0	Spare(W)
	-	-	0	0	-	-	0	0	-	-	0	0	-	-	0	0	Spare(W)
	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	Spare(W)
6	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	Blower is ON
	-	-	-	-	0	0	0	0	-	-	-	0	0	0	0	0	Blower heater is ON
	-	-	0	0	-	-	0	0	-	-	0	0	-	-	0	0	Internal heater is ON
	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	Units are METERS if ON , else FEET
7	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	Polling mode is ON
	-	-	-	-	0	0	0	0	-	-	-	0	0	0	0	0	Working from battery
	-	-	0	0	-	-	0	0	-	-	0	0	-	-	0	0	Single sequence mode is ON
	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	Manual settings are effective
8	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	Tilt angle is > 45 degrees
	-	-	-	-	0	0	0	0	-	-	-	0	0	0	0	0	High background radiance
	-	-	0	0	-	-	0	0	-	-	0	0	-	-	0	0	Manual blower control
	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	Spare

Related Information



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MIRAI MR02-K01 Cloud Ceiling

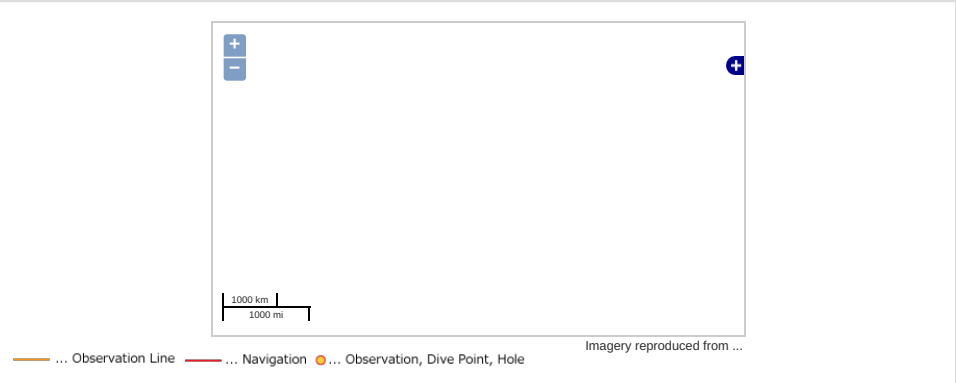
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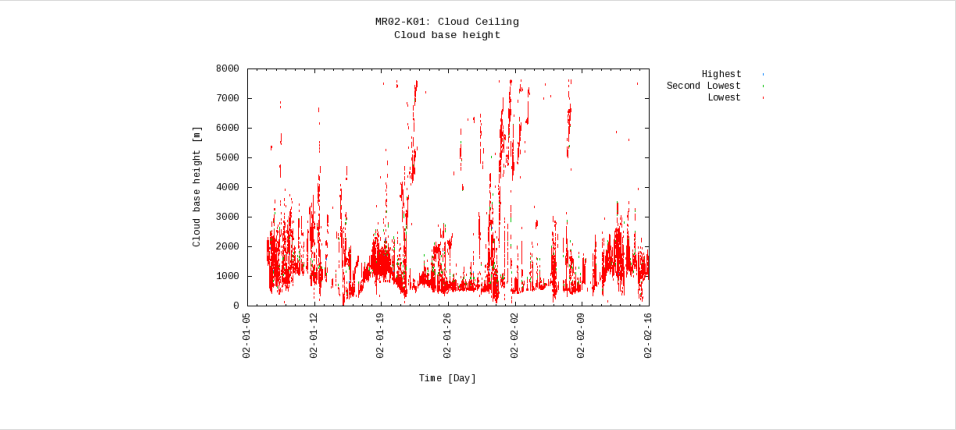
Cruise ID: [MR02-K01](#)
Cloud Ceiling: Raw
Data Policy: [JAMSTEC](#)
Observation Items: Cloud base height
Science Keywords:

ATMOSPHERE > CLOUDS > CLOUD
BASE

Observation Map



Figures



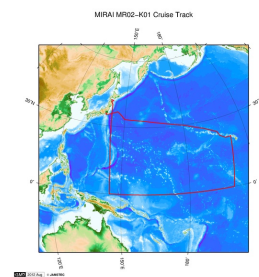
Data List

[Add to Basket](#)

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<input type="checkbox"/> A2011000.DAT
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File names
A2020400.DAT
A2020500.DAT
A2020600.DAT
A2020700.DAT
A2020800.DAT
A2020900.DAT
A2021000.DAT
A2021100.DAT
A2021200.DAT
A2021300.DAT
A2021314.DAT
A2021400.DAT
A2021500.DAT

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