

◎統計と資料

三朝温泉地の気候について (第15報)

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われわれは1956年以降, 三朝温泉地の気候要素について観測を行ってきているが, 今回は第14報にひきつづき1991年1月1日から1991年12月末日までの1カ年の気象観測の資料を報告することとした。なお1985年4月1日以降は自動記録装置が備えられたので, 今回の資料はすべてこの自動記録装置によるものである。

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Table 1. Daily Atmospheric Temperature at 9 AM (°C). (1991)

1	2	3	4	5	6	7	8	9	10	上旬 平均	11	12	13	14	15	16	17		
January																			
8.6	8.6	3.1	4.2	2.4	0.1	1.6	1.1	1.4	1.3	3.2	2.3	2.6	1.6	1.1	0.5	0.5	7.6		
February																			
1.4	0.5	1.4	2.4	1.3	1.1	2.2	4.9	0.7	11.7	2.8	6.5	4.0	1.8	2.2	11.0	4.7	1.1		
March																			
3.0	0.7	3.1	2.7	9.0	9.7	6.8	2.9	9.7	6.5	5.4	5.5	8.0	5.1	3.3	1.0	2.7	5.2		
April																			
3.8	4.7	4.9	10.5	12.4	13.6	12.4	11.5	11.1	13.0	9.8	16.5	16.6	20.5	11.0	13.2	13.0	18.0		
May																			
15.6	12.5	11.7	10.6	12.8	15.6	17.9	15.8	16.4	18.4	14.7	21.4	14.9	17.3	19.8	19.2	23.2	17.2		
June																			
19.5	18.1	17.8	16.0	20.8	22.5	21.2	26.0	25.8	25.7	21.3	26.3	28.2	28.4	21.8	22.6	17.9	22.8		
July																			
23.7	24.4	21.5	24.3	23.3	22.4	26.9	22.0	21.1	27.2	27.3	24.6	25.6	22.0	23.0	24.0	25.0	24.5		
August																			
28.6	28.7	24.2	22.1	22.1	22.4	20.1	21.3	22.2	22.9	23.5	24.6	24.9	25.1	21.8	23.1	24.3	25.5		
September																			
24.8	25.5	26.3	27.2	28.5	27.6	25.1	26.1	24.8	23.0	25.9	20.3	19.4	19.2	20.8	19.8	21.4	20.7		
October																			
17.9	19.4	15.8	19.7	17.6	16.9	18.0	21.2	18.4	17.6	18.3	19.4	20.0	19.3	16.1	12.1	11.8	18.1		
November																			
10.9	10.3	10.5	12.3	7.3	9.2	10.9	14.9	10.3	10.7	10.7	8.5	7.7	10.2	8.6	6.6	5.9	7.0		
December																			
6.2	9.4	6.6	4.9	3.3	6.6	6.2	9.1	5.5	5.8	6.4	13.5	0.7	2.6	4.6	3.7	3.3	14.9		

18	19	20	中旬 平均	21	22	23	24	25	26	27	28	29	30	31	下旬 平均	月 平均
4.7	1.8	2.1	2.5	6.7	6.9	0.9	0.2	7.0	2.2	2.0	0.7	0.6	1.2	1.4	2.7	2.8
1.2	-0.8	-0.6	3.1	1.2	-1.2	-3.1	-1.8	-0.2	-1.3	1.1	6.0				0.1	2.0
4.2	8.5	16.6	6.0	6.2	4.5	11.0	8.8	8.9	8.9	11.5	7.2	6.3	9.5	8.6	8.3	6.6
18.2	10.6	10.5	14.8	13.0	13.5	18.7	16.2	13.8	17.9	14.0	20.7	17.7	13.5		15.9	13.5
21.5	23.8	21.7	20.0	23.8	22.0	19.1	25.8	27.1	27.2	14.2	15.7	16.8	16.7	17.4	20.5	18.4
22.6	22.7	19.0	23.1	22.2	22.8	22.4	22.4	22.0	28.1	24.9	22.7	26.4	24.0		23.8	22.7
21.1	24.4	29.4	24.4	27.8	29.2	31.1	31.0	29.4	27.9	24.4	22.9	29.3	30.7	27.8	28.3	26.7
26.4	27.3	26.6	25.0	26.9	26.4	25.7	27.7	24.8	22.4	23.3	21.8	26.6	25.6	23.6	25.0	24.5
21.7	22.4	19.6	20.5	20.7	19.7	21.1	19.9	18.4	19.7	26.4	19.8	18.1	18.2		20.2	22.2
12.0	14.0	10.9	15.4	10.5	11.6	10.7	9.2	14.7	12.8	18.3	14.1	11.7	12.6	13.3	12.7	15.5
8.2	6.2	7.4	7.6	7.0	6.3	11.2	10.5	5.1	6.3	8.6	13.1	11.6	7.4		8.7	9.0
9.2	4.9	5.4	6.3	2.2	8.4	14.9	9.5	7.4	6.4	4.2	7.0	0.3	0.5	0.0	5.5	6.1

年平均 14.2

Table 2. Daily Maximum Temperature (°C). (1991)

1	2	3	4	5	6	7	8	9	10	上旬 平均	11	12	13	14	15	16	17		
January																			
11.3	8.8	7.5	5.2	4.9	4.3	8.7	5.0	4.1	7.9	6.8	8.0	7.5	5.6	6.7	6.1	9.5	9.7		
February																			
8.7	4.3	7.0	8.7	3.3	8.8	10.0	5.6	10.0	15.0	8.1	10.5	9.2	8.0	11.6	15.5	8.9	4.8		
March																			
7.6	9.7	11.3	13.7	16.8	18.3	9.4	9.2	12.2	10.0	11.8	7.0	11.5	13.0	5.2	7.4	9.6	8.7		
April																			
8.1	9.8	13.8	19.9	21.3	15.2	13.7	12.7	16.2	24.3	15.5	23.2	24.3	20.8	12.4	20.5	22.0	26.5		
May																			
18.8	13.6	13.0	15.2	19.5	20.7	23.2	19.3	21.9	26.7	19.2	26.1	17.2	23.4	26.6	19.6	23.3	22.9		
June																			
24.4	20.0	19.4	19.2	26.9	27.7	25.3	32.0	26.1	26.5	24.7	32.7	31.4	28.8	27.7	25.9	23.6	28.4		
July																			
26.8	27.5	25.4	24.3	24.1	28.3	28.4	28.5	26.4	32.1	27.7	28.8	31.4	23.7	27.3	29.0	27.4	28.9		
August																			
32.7	33.8	25.5	24.7	27.6	22.7	25.0	25.6	28.5	27.7	27.3	28.4	27.9	28.9	27.4	28.0	30.3	30.4		
September																			
29.3	30.6	30.9	31.8	34.9	34.5	27.7	30.1	26.6	27.4	30.4	27.3	22.6	21.5	29.6	22.7	25.4	25.7		
October																			
20.6	24.0	26.2	25.2	23.0	21.1	24.2	24.4	19.4	20.7	22.9	19.5	20.6	20.3	23.0	18.0	20.0	19.2		
November																			
15.8	18.9	22.2	15.1	15.2	18.0	23.2	19.0	16.3	17.2	18.1	13.0	12.9	16.4	10.6	13.9	16.4	16.1		
December																			
16.0	14.4	17.0	15.4	16.7	14.3	17.1	15.1	6.4	11.3	14.4	13.6	4.3	9.4	13.5	14.5	16.2	18.1		

18	19	20	中旬 平均	21	22	23	24	25	26	27	28	29	30	31	下旬 平均	月 平均
5.2	10.3	14.2	8.3	8.6	8.2	4.4	9.6	9.8	5.4	6.1	3.1	4.1	5.8	7.4	6.6	7.2
5.2	5.5	5.1	8.4	2.1	2.0	0.6	2.0	3.4	10.3	13.3	11.9				5.7	7.5
13.2	19.9	18.2	11.3	8.1	9.8	11.3	14.2	14.5	15.6	18.0	9.1	12.7	10.0	10.3	12.1	11.8
22.5	16.0	14.3	20.2	19.5	22.8	23.7	16.2	21.0	20.2	20.6	26.9	18.7	19.4		20.9	18.9
29.8	28.7	24.5	24.2	25.9	27.3	26.1	32.1	30.8	32.0	17.3	20.4	19.2	22.3	18.9	24.7	22.8
28.6	24.6	20.3	27.2	26.6	27.8	23.6	23.8	23.2	32.9	29.7	27.7	31.8	28.7		27.5	26.5
23.7	28.7	35.5	28.4	33.8	34.7	37.1	36.7	34.2	30.0	29.3	33.1	31.8	35.4	33.5	33.6	29.9
31.6	33.5	29.6	29.6	28.2	30.0	32.9	33.4	25.8	24.2	26.2	30.9	31.8	28.3	27.4	28.1	28.6
27.3	23.6	27.6	25.3	27.0	24.4	24.3	24.6	24.5	27.9	28.3	23.6	25.5	21.5		25.1	26.9
21.3	16.4	18.3	19.6	19.9	19.8	18.3	20.5	21.5	23.3	20.6	20.3	19.7	19.2	14.8	19.8	21.7
16.8	15.7	10.2	14.2	15.7	17.6	15.7	11.9	11.8	15.3	17.4	14.9	15.3	18.0		15.3	15.9
12.6	10.1	11.0	12.3	16.2	16.8	15.1	15.6	9.0	7.6	9.1	9.3	2.8	3.0	7.0	10.1	12.2

年平均 19.1

Table 3. Daily Minimum Temperature (°C). (1991)

1	2	3	4	5	6	7	8	9	10	上旬 平均	11	12	13	14	15	16	17			
January																				
6.9	3.2	1.3	1.5	-1.6	-1.4	0.7	0.2	-0.3	-0.4	1.0	1.2	0.5	-0.3	-1.2	0.1	-0.3	1.2			
February																				
-0.8	0.2	0.3	0.8	-0.3	-1.2	-0.7	-1.3	-2.9	3.0	-0.3	3.4	3.5	-0.9	-0.3	5.2	1.8	0.5			
March																				
-1.1	-2.8	-2.6	-2.8	6.0	5.9	4.7	2.6	6.2	5.2	2.1	5.1	1.8	-0.4	0.6	-0.3	1.8	3.2			
April																				
1.3	-0.8	-2.6	-0.9	5.7	11.3	10.6	10.0	5.8	3.3	4.4	12.0	12.1	12.3	5.5	4.0	5.8	6.5			
May																				
7.0	6.4	4.7	3.6	1.1	3.2	12.2	14.2	11.0	9.1	7.2	10.3	13.5	9.4	7.6	11.3	12.5	10.7			
June																				
15.6	17.1	16.6	13.1	11.6	16.3	15.6	15.1	21.9	19.6	16.2	19.0	25.4	16.4	15.5	16.2	16.4	16.3			
July																				
21.2	20.4	20.1	19.2	19.4	17.1	18.7	19.6	19.4	20.5	19.5	21.9	21.6	21.3	19.8	19.3	21.5	20.4			
August																				
24.3	22.4	21.3	20.1	18.8	20.5	18.9	18.1	16.7	21.2	20.2	21.8	20.8	20.3	18.0	16.7	17.6	19.6			
September																				
20.2	20.9	21.6	21.4	21.8	22.8	22.2	22.3	19.9	16.2	20.9	14.4	14.4	17.3	18.4	18.8	17.3	15.8			
October																				
16.8	15.0	9.7	14.7	14.6	13.0	13.8	15.9	16.8	16.3	14.6	17.9	18.2	14.9	11.5	7.2	6.8	9.3			
November																				
8.3	6.8	5.7	4.3	3.6	4.7	4.6	11.5	5.4	4.8	5.9	5.1	5.3	6.2	5.2	3.2	1.6	2.6			
December																				
2.6	3.2	2.0	2.1	0.2	4.0	3.2	5.1	5.0	3.2	3.0	3.5	0.4	1.4	1.2	0.5	0.4	8.4			

18	19	20	中旬 平均	21	22	23	24	25	26	27	28	29	30	31	下旬 平均	月 平均
1.3	-1.1	-2.0	-0.1	6.0	2.8	-1.5	-2.2	2.5	1.1	0.2	0.2	0.1	0.2	0.2	0.9	0.6
-0.5	-1.8	-2.8	0.8	-2.9	-4.3	-5.9	-4.1	-2.9	-6.1	-2.9	3.5				-3.2	-0.8
-0.3	0.4	7.5	1.9	3.7	3.7	8.9	5.9	3.9	3.6	8.9	5.6	4.4	4.2	4.9	5.2	3.2
7.5	3.9	2.6	7.2	1.3	3.4	5.9	11.4	11.0	10.0	6.8	7.7	10.9	7.8		7.6	6.4
9.0	13.7	13.9	11.2	13.9	16.0	16.9	14.7	21.4	16.7	12.1	12.8	14.6	14.3	15.1	15.3	11.4
15.3	18.7	18.3	17.7	15.3	17.5	20.8	21.0	20.7	20.5	21.3	19.5	21.5	20.7		19.9	17.9
20.7	20.7	21.8	20.9	21.5	23.1	23.2	23.5	21.9	23.9	23.1	22.8	26.6	27.4	24.7	23.8	21.5
21.3	21.3	23.5	20.0	23.3	24.3	24.1	23.5	22.8	19.9	16.6	15.9	24.8	22.6	21.1	21.7	20.7
18.8	19.8	16.5	17.1	15.5	14.8	16.5	15.9	15.6	17.8	20.5	15.4	12.9	16.8		16.2	18.1
6.6	6.3	5.0	10.3	4.0	6.2	5.3	3.6	9.2	7.6	14.5	10.1	7.1	9.5	10.0	7.9	10.9
4.1	2.1	4.7	4.0	3.2	2.6	8.6	5.7	1.5	2.4	5.0	11.0	7.3	4.1		5.1	5.0
6.1	3.9	-0.5	2.5	-1.1	6.5	6.3	7.6	5.3	4.5	3.4	0.3	-0.2	-0.4	-2.1	2.7	2.8

年平均 9.8

18	19	20	中旬計	21	22	23	24	25	26	27	28	29	30	31	下旬計	月計
2.0	0.0	0.0	32.5	36.0	23.5	6.5	0.0	2.5	5.5	4.0	11.0	9.0	8.5	1.5	108.0	220.5
0.5	0.5	17.5	94.0	3.0	2.0	2.5	2.5	1.0	6.0	0.0	11.0				28.0	177.0
0.0	0.5	5.5	83.5	2.0	45.0	19.5	0.0	0.0	0.0	5.0	4.0	0.0	38.0	0.0	114.0	234.0
20.5	0.0	0.0	33.5	0.0	0.0	0.0	19.0	0.0	0.0	0.0	1.5	37.0	0.0		57.5	143.0
0.0	0.0	0.0	14.5	0.0	0.0	0.0	0.0	1.0	16.5	7.0	0.0	2.0	0.5	15.0	42.0	87.5
0.0	4.5	16.0	65.5	0.0	0.0	0.5	7.5	7.0	0.5	1.0	20.0	20.5	18.0		75.0	216.5
24.0	0.0	6.0	96.0	0.0	0.0	0.0	0.0	1.0	2.0	5.0	24.5	0.0	0.5	12.5	45.5	237.5
0.0	0.0	0.0	5.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	32.0
0.0	0.0	0.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	1.0		2.5	13.5
0.0	0.0	0.0	29.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.5	39.5
0.0	1.0	0.5	2.5	0.0	0.0	0.5	6.0	0.0	0.0	1.0	10.0	1.0	0.0		18.5	29.5
7.5	1.5	0.0	9.5	0.5	0.0	4.0	3.0	0.5	3.5	2.0	0.0	0.0	1.0	3.0	17.5	39.0

年計 1,469.5

Table 5. Wind Direction at 9 AM. (1991)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Janury															
CALM	CALM	ESE	WSW	SW	ENE	NE	CALM	NE	CALM	NE	NE	SW	NW	CALM	E
February															
ENE	CALM	CALM	ENE	CALM	ENE	CALM	SW	ENE	ENE	E	CALM	CALM	CALM	W	SW
March															
CALM	CALM	ESE	E	CALM	CALM	NE	CALM	NE	ESE	CALM	SSE	S	CALM	WSW	ENE
April															
NW	CALM	SW	SSE	CALM	NE	CALM	WSW	CALM	SW	CALM	SW	SSE	ENE	SSW	SSW
May															
WSW	WSW	SSE	SW	SW	NE	SSW	E	CALM	CALM	SSW	SSW	N	SSE	SSE	W
June															
WSW	CALM	CALM	NE	ENE	CALM	SW	NNW	S	W	W	NE	W	WSW	SW	NE
July															
CALM	E	CALM	SSW	CALM	SSW	NE	WSW	NE	NE	WSW	CALM	CALM	WSW	NNE	WNW
August															
NNE	E	ENE	CALM	CALM	NNE	WSW	SE	CALM	SW	CALM	S	NNE	E	SW	SW
September															
WSW	SW	SW	SSW	WNW	SSE	SW	WSW	E	E	SSW	CALM	NE	W	NNE	SW
October															
CALM	SW	SSE	CALM	SW	CALM	SSE	ENE	CALM	CALM	NNE	ENE	W	CALM	CALM	ESE
November															
CALM	CALM	S	CALM	SSE	SE	SSE	ENE	CALM	CALM	SE	CALM	CALM	CALM	E	CALM
December															
CALM	CALM	ENE	CALM	CALM	CALM	ESE	WSW	S	W	W	WSW	NE	CALM	ENE	ENE

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

WSW	WSW	NE	ENE	NNE	ENE	SW	NE	SW	SE	CALM	SW	CALM	ENE	CALM
-----	-----	----	-----	-----	-----	----	----	----	----	------	----	------	-----	------

WSW	SE	WSW	NE	W	ESE	SW	WSW	CALM	E	E	NNE			
-----	----	-----	----	---	-----	----	-----	------	---	---	-----	--	--	--

CALM	SSE	SSE	WNW	ENE	CALM	WSW	CALM	SW	SW	WSW	NE	CALM	WSW	SW
------	-----	-----	-----	-----	------	-----	------	----	----	-----	----	------	-----	----

SW	N	ESE	ENE	SSW	SSW	S	SSW	CALM	CALM	SW	SSW	CALM	NNE	
----	---	-----	-----	-----	-----	---	-----	------	------	----	-----	------	-----	--

SSW	WSW	SW	NNE	ESE	WNE	ENE	S	S	E	NE	E	CALM	N	WNW
-----	-----	----	-----	-----	-----	-----	---	---	---	----	---	------	---	-----

WNW	SW	CALM	CALM	ESE	SW	WNW	SW	NW	NNE	NE	ENE	CALM	NE	
-----	----	------	------	-----	----	-----	----	----	-----	----	-----	------	----	--

CALM	N	N	WSW	CALM	E	W	WSW	S	WNW	NE	ESE	E	WNW	NE
------	---	---	-----	------	---	---	-----	---	-----	----	-----	---	-----	----

SW	SW	WSW	SW	WSW	WSW	WSW	WSW	NNW	CALM	ENE	E	WSW	N	SW
----	----	-----	----	-----	-----	-----	-----	-----	------	-----	---	-----	---	----

SW	SW	NE	NE	SW	SW	E	SW	CALM	CALM	NE	CALM	SSE	NNE	
----	----	----	----	----	----	---	----	------	------	----	------	-----	-----	--

SE	SE	NE	CALM	CALM	CALM	CALM	S	CALM	E	NE	SSE	SSE	NE	WSW
----	----	----	------	------	------	------	---	------	---	----	-----	-----	----	-----

ENE	NE	CALM	WSW	CALM	ENE	CALM	WSW	CALM	ENE	CALM	SW	CALM	CALM	
-----	----	------	-----	------	-----	------	-----	------	-----	------	----	------	------	--

WNW	ESE	CALM	CALM	ENE	NE	SSW	NNE	NNE	SE	CALM	WSW	WSW	NE	ENE
-----	-----	------	------	-----	----	-----	-----	-----	----	------	-----	-----	----	-----

Table 6. Wind Speed at 9 AM. (1991)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
January															
0.0	0.4	0.3	6.3	2.5	0.6	0.5	0.0	0.9	0.1	0.9	1.7	2.6	0.9	0.0	0.5
February															
1.1	0.0	0.2	0.8	0.2	0.9	0.1	3.0	0.9	2.5	1.1	0.2	0.1	0.0	1.0	1.9
March															
0.1	0.1	1.1	0.4	0.0	0.2	2.2	0.0	0.7	1.0	0.0	1.5	0.3	0.3	0.2	1.4
April															
0.2	0.0	0.9	0.5	0.0	1.0	0.1	0.9	0.3	0.7	0.0	1.2	3.2	0.6	0.5	0.5
May															
4.3	4.6	1.1	1.0	1.4	1.5	1.9	0.5	0.5	0.0	0.8	0.3	0.6	0.2	1.9	3.1
June															
1.5	0.1	0.0	1.4	0.5	0.1	1.4	0.8	2.8	4.2	0.9	0.9	5.6	0.5	2.0	1.1
July															
0.0	0.8	0.1	1.6	0.2	0.4	1.7	2.4	1.1	1.4	1.0	0.2	0.2	0.4	0.7	3.8
August															
0.7	0.6	0.7	0.2	0.2	1.9	0.4	0.9	0.0	0.5	0.5	0.4	0.9	0.7	1.6	1.0
Septembr															
1.3	1.4	0.7	0.3	2.3	0.6	1.0	0.6	1.5	1.6	2.7	0.0	0.4	0.8	1.3	1.6
October															
0.2	1.0	0.5	0.5	0.7	0.2	0.4	3.1	0.6	0.0	1.6	1.8	1.3	0.2	0.5	0.2
November															
0.3	0.3	0.2	0.1	0.3	0.6	0.4	1.2	0.0	0.1	0.6	0.1	0.1	0.1	0.8	0.1
December															
0.1	0.1	0.9	0.1	0.3	0.0	0.2	2.7	0.4	0.6	5.4	1.3	1.3	0.0	0.4	1.4

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
5.9	2.5	0.8	1.4	1.5	1.8	1.5	1.7	2.5	0.3	0.1	1.3	0.2	0.2	0.0
2.5	0.5	0.5	0.5	4.8	2.6	1.0	0.8	0.1	0.9	0.5	0.4			
0.0	0.4	0.3	3.9	1.8	0.0	0.4	0.4	1.2	0.5	1.0	0.5	0.2	0.8	1.2
0.5	2.0	1.4	2.1	0.4	0.5	2.3	1.2	0.2	0.0	2.2	2.5	0.0	1.1	
1.0	2.0	0.8	0.9	2.4	0.5	2.3	1.1	1.7	1.0	1.5	3.2	0.2	1.0	0.4
0.4	0.7	0.1	0.0	0.8	1.0	0.5	1.4	0.6	0.7	2.1	0.7	0.5	0.7	
0.5	0.7	0.9	1.3	0.2	0.5	1.3	1.1	0.3	4.4	1.4	0.6	2.3	5.6	1.5
0.9	0.7	1.4	1.4	1.5	0.9	1.1	0.4	0.4	0.3	2.8	0.5	1.7	2.5	0.4
0.5	1.4	1.4	1.0	0.7	0.8	2.7	1.1	0.2	0.1	2.3	0.1	0.6	1.2	
1.0	0.3	0.7	0.3	0.3	0.0	0.2	0.5	0.0	0.7	1.2	0.2	0.5	1.2	0.7
0.5	2.0	0.0	5.2	0.0	0.5	0.4	0.6	0.0	0.8	0.2	0.5	0.0	0.0	
1.7	0.3	0.1	0.0	1.7	0.3	2.3	0.9	1.3	0.4	0.1	3.0	2.9	1.0	0.6

Table 7. Daily Weather at 9 AM (°C). (1991)

: ○ Clear days, ⊕ Fine days,

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
January																		
⊕	●	⊕	○	⊕	⊕	*	*	*	⊕	⊕	⊕	*	*	*	○	●	⊕	⊕
February																		
○	*	○	○	*	○	○	*	○	●	⊕	○	⊕	⊕	⊕	●	⊕	⊕	*
March																		
⊕	⊕	⊕	○	⊕	⊕	⊕	●	⊕	⊕	●	⊕	○	●	⊕	●	●	○	○
April																		
⊕	⊕	○	○	⊕	⊕	●	●	⊕	○	○	⊕	●	⊕	○	○	○	○	○
May																		
⊕	⊕	⊕	⊕	⊕	○	⊕	●	⊕	○	○	●	⊕	○	●	○	○	○	⊕
June																		
⊕	●	●	●	○	⊕	○	○	⊕	⊕	⊕	⊕	⊕	○	⊕	●	⊕	⊕	●
July																		
●	○	⊕	⊕	⊕	○	○	⊕	●	○	⊕	⊕	⊕	⊕	⊕	●	⊕	⊕	⊕
August																		
○	○	●	⊕	⊕	●	⊕	⊕	○	●	●	○	⊕	⊕	○	○	○	○	○
September																		
○	○	○	○	○	○	⊕	○	○	⊕	○	⊕	●	⊕	●	⊕	○	⊕	●
October																		
●	○	○	⊕	○	⊕	○	○	●	⊕	●	●	⊕	○	○	⊕	⊕	⊕	⊕
November																		
⊕	○	○	⊕	○	○	○	●	⊕	○	⊕	⊕	○	⊕	○	○	○	⊕	○
December																		
⊕	⊕	○	○	○	○	○	⊕	●	○	⊕	*	⊕	○	○	○	⊕	●	○

☉ Cloudy days, ⊕ Slightly cloudy days, ● Rainy days, * Snowy days, △ Hail

20	21	22	23	24	25	26	27	28	29	30	31	☉	⊕	☉	⊕	●	*	△
☉	●	●	*	☉	☉	●	☉	*	*	☉	⊕	3	0	11	3	5	9	0
☉	☉	☉	☉	*	*	☉	☉	●				12	0	6	1	3	6	0
●	☉	●	●	☉	☉	☉	☉	●	☉	●	☉	4	0	16	1	10	0	0
☉	☉	☉	⊕	☉	☉	⊕	☉	☉	☉	☉		14	0	9	3	4	0	0
☉	☉	☉	☉	☉	☉	☉	●	☉	☉	☉	●	11	1	12	2	5	0	0
●	☉	☉	☉	●	●	☉	☉	●	☉	☉		7	0	12	2	9	0	0
☉	☉	☉	☉	☉	☉	●	●	●	☉	☉	⊕	11	0	13	1	6	0	0
☉	☉	☉	☉	☉	☉	●	☉	☉	☉	☉	☉	11	0	15	0	5	0	0
☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉		15	0	12	0	3	0	0
☉	☉	☉	☉	☉	⊕	☉	☉	⊕	☉	☉	☉	13	2	10	2	4	0	0
●	☉	☉	☉	●	☉	☉	☉	☉	☉	☉	☉	13	0	13	1	3	0	0
☉	☉	☉	☉	☉	●	●	●	●	*	*	☉	13	0	8	1	6	3	0
計												127	3	137	17	63	18	0

Table 8. Daily Humidity (%) at 9 AM. (1991)

1	2	3	4	5	6	7	8	9	10	上旬 平均	11	12	13	14	15	16	17		
January																			
89.9	88.4	84.6	43.2	53.8	86.6	87.0	87.0	82.1	89.5	79.2	90.1	89.5	63.2	70.6	89.1	89.9	64.7		
February																			
87.9	90.1	90.0	90.2	83.8	88.2	87.4	59.7	70.2	67.7	81.5	89.6	89.8	81.9	82.6	66.2	74.1	78.1		
March																			
89.9	86.8	90.8	85.8	75.3	76.3	55.1	88.1	86.4	86.6	82.1	87.7	63.3	81.6	85.5	81.5	89.4	82.4		
April																			
78.5	60.4	49.3	44.8	66.3	87.7	87.5	87.6	72.1	69.0	70.3	86.5	72.3	58.4	84.1	69.7	60.0	43.5		
May																			
39.1	40.5	54.2	73.5	44.0	40.5	49.2	85.4	77.2	53.3	55.7	40.5	85.8	62.2	51.1	57.1	44.7	55.6		
June																			
77.9	86.1	86.1	86.1	60.2	65.3	65.0	43.2	59.6	60.8	69.0	69.6	60.6	55.3	72.2	65.3	80.8	69.3		
July																			
85.7	65.1	81.9	62.6	78.1	72.7	51.2	70.1	86.8	57.0	71.1	80.3	76.1	81.7	76.0	81.0	64.9	82.1		
August																			
70.6	65.0	84.7	86.1	80.2	85.6	85.8	75.9	62.5	84.6	78.1	86.8	76.5	69.6	74.8	68.1	71.6	68.7		
September																			
72.8	72.1	72.4	71.0	59.1	65.4	80.2	70.2	57.4	64.1	68.5	65.2	72.8	88.1	87.8	86.8	81.0	73.0		
October																			
88.6	86.6	63.7	76.8	77.5	80.4	74.2	53.4	86.8	78.9	76.7	83.7	78.0	69.7	82.6	83.3	77.6	76.4		
November																			
79.7	86.2	84.8	78.5	84.9	78.8	80.6	87.8	82.0	79.3	82.3	81.8	74.1	71.7	82.4	86.9	91.0	88.3		
December																			
90.1	87.1	84.9	90.0	90.2	89.3	90.0	77.6	87.6	98.0	87.6	54.7	86.7	78.8	79.5	90.0	89.9	54.2		

18	19	20	中旬 平均	21	22	23	24	25	26	27	28	29	30	31	下旬 平均	月 平均
42.8	86.2	84.6	77.1	90.0	76.5	85.8	75.7	54.7	78.0	89.9	75.6	89.5	84.2	90.0	80.1	78.8
76.8	90.5	83.9	81.4	45.8	52.2	48.4	69.0	88.5	87.5	80.6	88.9				70.1	77.7
80.6	82.4	48.5	78.3	63.1	88.9	90.2	86.8	73.8	79.0	87.8	85.7	82.8	87.0	75.7	81.9	80.8
85.3	47.6	47.7	65.5	38.3	39.8	42.8	54.6	83.9	66.9	58.5	38.1	81.5	50.1		55.5	63.8
33.6	48.3	61.8	54.1	42.7	64.2	77.7	49.9	56.2	54.0	85.4	70.3	79.4	77.9	87.6	67.8	59.2
64.7	77.2	86.9	70.2	68.7	70.8	79.6	85.9	85.9	68.1	79.8	85.2	67.0	85.9		77.7	72.3
85.9	72.8	55.8	75.7	74.7	57.3	47.8	48.9	54.4	60.0	86.4	86.5	57.1	51.8	84.1	64.5	70.4
71.9	67.9	70.4	72.6	72.6	81.4	86.1	78.3	85.7	86.3	62.7	63.3	65.5	79.4	84.7	76.9	75.9
76.3	81.2	84.9	79.7	66.7	72.5	57.5	69.3	81.8	76.9	60.3	85.5	66.8	86.8		72.4	73.5
88.7	88.8	76.7	80.6	75.1	75.4	86.6	81.6	88.3	78.5	85.9	74.7	81.7	77.8	70.7	79.7	79.0
74.8	90.0	85.5	82.7	89.3	86.9	86.6	87.5	81.5	72.2	88.2	88.6	87.9	89.0		85.8	83.6
84.0	87.9	73.6	77.9	89.7	84.7	57.5	88.9	80.0	84.3	88.6	65.6	89.1	87.5	89.8	82.3	82.6

年平均 74.8

Table 9. Daily Duration of Sunshine (hours). (1991)

1	2	3	4	5	6	7	8	9	10	上旬計	11	12	13	14	15	16	17	
January																		
0.0	0.0	4.6	2.0	3.3	4.6	4.9	0.0	0.4	2.3	22.1	2.7	0.5	3.1	4.2	2.9	6.7	3.4	
February																		
4.1	1.8	7.5	5.3	1.0	6.3	5.4	1.1	7.1	0.0	39.6	2.7	3.2	3.1	4.4	1.4	0.3	2.2	
March																		
6.1	7.0	5.2	7.1	5.1	8.5	7.3	0.0	1.5	3.3	51.1	0.0	7.3	10.0	0.0	7.8	3.2	2.5	
April																		
4.6	7.0	11.2	11.0	6.7	0.2	0.3	0.2	8.4	9.7	59.3	8.2	8.5	0.3	1.8	11.3	10.1	8.3	
May																		
6.5	4.7	5.9	9.6	11.8	9.2	7.8	0.0	8.9	11.6	76.0	7.6	0.3	10.2	11.9	0.7	7.8	10.1	
June																		
7.3	0.0	0.5	3.0	10.4	9.0	9.7	11.7	3.6	3.4	58.6	6.7	6.7	0.0	10.8	8.8	7.6	9.7	
July																		
0.6	7.8	5.9	0.3	2.2	12.2	5.7	3.7	1.1	10.0	49.5	5.5	6.7	1.6	9.0	3.1	1.9	3.6	
August																		
6.0	11.6	0.0	3.3	5.8	0.0	4.8	7.1	6.8	3.5	48.9	3.7	6.0	9.1	5.4	11.1	10.7	9.1	
September																		
9.8	8.6	9.4	7.2	9.4	8.5	5.7	8.9	9.0	8.6	85.1	11.0	0.9	0.0	1.2	1.4	5.8	6.9	
October																		
0.0	6.2	10.6	4.7	6.7	4.1	8.5	9.2	0.0	0.4	50.4	0.0	0.0	0.9	5.2	6.6	6.7	0.3	
November																		
0.4	6.7	9.1	4.5	7.0	9.1	9.1	0.2	7.1	5.7	58.9	4.2	1.6	6.9	0.4	6.2	8.8	7.6	
December																		
5.5	5.1	4.6	7.7	7.6	2.2	4.9	0.4	0.0	3.2	41.2	0.0	1.7	4.5	6.7	5.7	6.2	0.9	

18	19	20	中旬計	21	22	23	24	25	26	27	28	29	30	31	下旬計	月計
0.2	5.4	6.2	35.3	0.0	0.0	1.5	1.1	1.2	0.8	1.1	1.9	1.4	2.2	3.4	14.6	72.0
1.9	0.3	6.0	25.5	4.2	4.5	9.2	5.9	3.2	10.2	7.5	0.0				44.0	109.1
10.6	10.5	0.4	52.3	4.3	0.0	0.0	4.8	5.7	6.8	2.4	0.0	7.1	0.0	4.2	35.3	138.7
0.0	11.3	9.7	69.5	11.3	11.3	7.5	0.0	7.2	4.2	11.3	11.7	0.4	10.6		75.5	204.3
12.0	5.6	11.3	77.5	8.3	8.4	7.3	11.3	6.8	7.7	2.8	6.5	1.6	8.7	0.1	69.5	223.0
9.6	1.1	0.0	61.0	12.1	8.6	0.5	0.5	0.4	9.5	4.3	4.6	5.2	6.4		52.1	171.7
1.3	9.1	11.8	53.6	10.7	11.1	12.1	11.5	8.9	6.3	4.5	7.2	4.9	10.0	5.3	92.5	195.6
10.6	11.3	5.7	82.7	3.2	3.4	4.4	6.8	0.1	1.2	10.0	7.6	7.2	0.8	4.9	49.6	181.2
3.9	0.9	7.7	39.7	9.0	8.4	6.4	6.7	4.7	6.3	0.7	4.8	9.1	0.0		56.1	180.9
10.1	1.5	9.3	40.6	9.7	8.6	8.0	8.6	9.3	7.8	0.0	6.7	7.8	3.1	0.6	70.2	161.2
2.2	5.7	0.1	43.7	6.1	6.1	0.0	0.1	3.5	2.9	0.7	0.0	2.7	7.7		29.8	132.4
0.0	3.4	6.1	35.2	6.4	5.5	0.0	1.4	0.0	0.1	0.1	0.2	0.3	0.7	4.8	19.5	95.9

年計 1,866.0

Table 10. Daily Atmospheric Pressure at 9 AM (mb). (1991)

1	2	3	4	5	6	7	8	9	10	上旬 平均	11	12	13	14	15	16	17		
January																			
1004.1	1004.3	1010.2	1008.3	1006.3	1010.0	1013.7	1006.1	1007.3	1010.1	1008.4	1009.3	1005.3	1010.4	1015.8	1016.8	1018.3	1009.8		
February																			
1009.3	1012.6	1015.0	1009.2	1012.1	1012.2	1010.4	1011.2	1017.0	1000.4	1010.9	1008.4	1013.1	1018.4	1015.3	999.9	999.6	1010.3		
March																			
1012.3	1014.8	1016.3	1014.7	1009.2	1008.5	1017.2	1013.5	1005.8	1013.8	1012.6	1007.6	1012.3	1015.2	1012.3	1020.1	1011.2	1012.0		
April																			
1018.2	1020.2	1021.1	1016.4	1012.2	1009.8	1008.8	1003.7	1009.3	1006.0	1012.6	1003.5	1004.9	998.6	1005.2	1009.1	1011.0	1008.7		
May																			
996.5	997.0	1009.4	1013.7	1015.1	1013.4	1010.4	1006.6	1007.1	1009.9	1007.9	1011.2	1009.2	1008.2	1009.4	1005.1	997.8	997.8		
June																			
1004.0	1000.6	998.5	1002.3	1004.5	1002.9	1005.5	1008.2	1008.6	1003.9	1003.9	1003.3	1000.4	998.4	1001.7	999.1	997.9	997.4		
July																			
997.8	1000.2	1001.7	999.4	995.2	1000.8	999.1	999.6	1001.4	1000.8	999.6	1002.2	999.3	1003.1	1005.2	1004.8	998.4	1001.0		
August																			
1003.6	1003.8	1001.3	1000.8	999.3	998.9	1000.1	999.6	1000.7	999.9	1000.8	999.2	1001.1	1004.2	1006.6	1005.7	1004.6	1003.7		
September																			
1005.1	1004.8	1004.5	1006.9	1007.7	1005.0	1002.6	1000.6	1001.8	1005.5	1004.5	1003.8	1004.9	1005.9	999.4	1011.0	1012.3	1009.2		
October																			
1004.4	1008.4	1006.8	1003.1	1009.3	1008.6	1005.5	1007.4	1007.1	1004.0	1006.5	1000.5	995.9	998.7	1003.8	1010.5	1012.3	1004.2		
November																			
1009.2	1010.8	1010.8	1014.3	1022.5	1021.6	1015.2	1005.9	1011.8	1010.9	1013.3	1011.7	1012.5	1013.7	1014.4	1017.9	1019.1	1015.5		
December																			
1009.4	1012.4	1011.6	1015.2	1018.7	1017.2	1016.8	1009.7	1015.3	1020.3	1014.7	1007.1	1014.5	1020.0	1021.2	1021.0	1020.4	1012.7		

18	19	20	中旬 平均	21	22	23	24	25	26	27	28	29	30	31	下旬 平均	月 平均
1016.5	1022.0	1018.5	1014.3	1010.1	1010.7	1020.2	1017.0	1009.4	1015.1	1017.4	1020.7	1021.0	1019.4	1015.9	1016.1	1012.9
1012.1	1005.6	1009.8	1009.3	1007.5	1013.2	1015.4	1017.2	1019.6	1021.0	1018.8	1006.3				1014.9	1011.7
1016.3	1012.8	1006.5	1012.6	1016.6	1011.0	1003.2	1010.8	1009.7	1014.5	1006.8	1014.5	1019.9	1013.3	1013.2	1012.1	1012.4
995.0	1007.9	1009.1	1005.3	1007.6	1015.8	1018.4	1015.6	1010.9	1008.5	1011.6	1005.6	996.5	1002.7		1009.3	1009.1
1001.5	1004.0	1008.3	1005.3	1004.2	1000.6	1004.6	1004.1	1003.7	1001.7	1004.3	1008.8	1008.4	1009.4	1004.7	1005.0	1006.1
999.5	999.0	997.9	999.5	999.8	998.2	995.9	997.4	1004.0	1005.7	1004.7	1003.3	1001.9	999.1		1001.0	1001.5
1003.6	1005.6	1004.3	1002.8	1002.8	1001.8	1002.2	1001.8	1000.2	995.9	999.1	1002.9	996.3	995.3	1001.2	1000.0	1000.8
1002.4	1000.9	998.1	1002.7	994.9	994.4	992.6	996.2	1000.7	1002.5	1006.7	1005.3	1000.7	998.2	1000.5	999.3	1000.9
1002.2	990.6	998.4	1003.8	1005.5	1009.9	1009.9	1007.4	1009.9	1010.4	1001.2	1003.1	1010.8	1011.4		1008.0	1005.4
1007.5	1006.6	1011.4	1005.1	1015.7	1015.6	1016.3	1014.3	1009.3	1013.0	1007.1	1008.4	1010.4	1007.0	1010.4	1011.6	1007.7
1012.2	1011.0	1012.1	1014.0	1018.6	1018.0	1014.3	1014.2	1025.4	1022.9	1017.3	1007.6	1009.6	1009.7		1015.8	1014.4
1008.8	1013.5	1020.6	1016.0	1017.0	1016.3	1013.5	1013.5	1012.1	1009.6	1008.1	995.8	1004.3	1015.4	1017.5	1011.2	1014.0

年平均 1008.1