

## 三朝温泉地の気候について (第8報)

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われわれは1956年1月以降, 三朝温泉地の気候要素の観測を行ってきたが, 今回は第8報として, 1984年1月1日から1985年3月末日までの15カ月の気象観測の資料を報告することとした。1985年4月1日以降は自動記録装置が備えられたので, 3月末日までとした。

### 文 献

的場邦和, 八幡隆昭, 江沢英光, 井上妙子: 三朝温泉地の気候について, 一過去10年間の集計—岡大温研報36, 31-36 (1966)

井上妙子, 池上忠興, 森永 寛: 三朝温泉地の気候について (第2報), 岡大温研報39, 43-59 (1970)

井上妙子, 森永 寛: 三朝温泉地の気候について (第3報), 岡大温研報41, 13-33 (1972)

井上妙子, 森永 寛: 三朝温泉地の気候について (第4報), 岡大温研報45, 47-67 (1976)

井上妙子, 森永 寛: 三朝温泉地の気候について (第5報), 岡大温研報48, 55-75 (1979)

井上妙子, 谷崎勝朗, 森永 寛: 三朝温泉地の気候について (第6報), 岡大温研報52, 71-91 (1982)

井上妙子, 谷崎勝朗, 森永 寛: 三朝温泉地の気候について (第7報), 岡大温研報55, 15-37 (1984)

on climatology in misasa spa (eighth report)

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Climatological data of the last fifteen months (1984.1.1.-1985.3.31.) obtained at the observatory in the Misasa Branch Hospital of Okayama University Hospital at Misasa Spa, Tottori-Ken, Japan are presented.

Table 1. Daily Atmospheric Temperature at 9 AM (°C). (1984)

1	2	3	4	5	6	7	8	9	10	上旬 平均	11	12	13	14	15	16	17		
January																			
2.3	2.4	1.7	1.4	0.8	-0.1	0.8	2.1	1.3	2.8	1.6	2.3	0.8	2.0	1.0	1.6	1.3	-0.2		
February																			
2.0	2.9	-0.7	-1.8	-1.3	-1.1	-3.7	-2.0	-1.6	0.8	-0.7	-1.8	-0.2	0.9	1.5	-0.3	-0.5	0.9		
March																			
-0.7	3.6	-0.3	-0.5	-0.3	1.1	0.9	2.3	1.6	4.6	1.2	2.4	7.9	3.2	2.4	2.5	4.7	3.8		
April																			
5.9	7.9	13.4	14.0	11.7	9.7	6.5	7.2	6.4	10.9	9.4	9.2	11.3	9.4	9.5	10.3	12.8	20.6		
May																			
16.9	10.9	11.5	12.7	16.6	15.7	20.4	21.1	22.8	16.4	16.5	24.2	23.7	20.3	15.8	15.5	13.1	13.3		
June																			
23.8	23.6	23.1	23.4	24.1	24.6	25.4	18.3	23.4	22.1	23.2	22.4	25.8	25.8	25.0	26.8	26.3	27.7		
July																			
25.4	27.8	30.3	27.3	23.6	24.8	25.3	25.1	29.7	25.3	26.5	24.7	26.4	24.4	25.8	26.4	27.2	28.9		
August																			
28.7	28.5	27.1	28.5	26.4	28.8	29.1	29.6	28.9	29.6	28.5	29.6	29.6	29.3	29.6	29.0	30.5	28.3		
September																			
31.0	30.6	31.4	24.6	22.7	22.5	22.0	22.9	22.6	23.6	25.4	21.3	19.2	19.2	20.3	20.4	19.5	20.3		
October																			
20.1	22.3	21.3	18.4	14.4	13.6	16.2	15.9	15.2	10.2	16.8	10.8	17.3	19.5	17.7	18.1	20.6	15.7		
November																			
12.9	12.2	8.5	9.4	15.6	10.9	15.7	15.9	13.4	12.7	12.7	9.8	10.7	8.9	8.3	14.6	13.9	9.8		
December																			
7.4	4.9	5.5	2.3	11.6	7.3	5.2	-0.3	5.6	8.3	5.8	14.0	11.2	9.3	10.5	6.0	6.9	7.7		

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
-1.6	0.7	0.2	0.8	0.9	0.6	0.8	0.7	0.9	-1.6	-0.8	-0.6	0.9	0.5	0.8	0.3	0.9
0.4	-1.5	-1.7	-0.2	1.4	0.5	5.3	4.5	2.7	2.2	1.9	-0.3	-0.8			1.9	0.3
3.2	1.6	2.2	3.4	2.0	3.5	1.7	5.4	5.5	5.8	4.8	5.3	10.4	15.7	7.4	6.1	3.7
22.9	9.3	8.3	12.4	10.2	11.2	10.3	13.5	16.8	19.3	18.3	17.9	18.6	13.1		14.9	12.2
15.7	16.4	15.7	17.4	17.0	17.7	18.3	18.7	17.7	19.8	19.3	22.5	22.8	21.4	17.7	19.3	17.8
26.4	29.5	20.6	25.6	21.7	21.4	20.3	24.5	23.1	22.9	24.7	23.0	20.2	23.4		22.5	23.8
28.0	25.6	23.9	26.1	24.3	27.8	30.3	27.8	26.7	27.5	27.8	28.2	23.2	28.4	29.4	27.4	26.7
28.9	28.3	30.2	29.3	30.2	27.7	27.4	26.2	29.8	26.5	30.8	26.9	27.4	27.3	27.7	28.0	28.6
20.3	18.3	20.9	20.0	21.2	19.3	20.4	22.4	20.8	19.9	16.4	17.4	24.4	20.8		20.3	21.9
14.6	16.5	18.8	17.0	12.4	10.3	14.1	14.7	16.5	16.8	18.3	12.9	12.5	8.1	8.5	13.2	15.6
8.8	8.5	9.2	10.3	8.4	6.9	4.6	6.3	7.4	5.7	9.2	6.0	4.5	5.2		6.4	9.8
7.3	4.1	2.3	7.9	4.9	2.4	1.2	1.5	-0.7	0.5	1.2	2.7	0.7	0.5	2.1	1.6	5.0

年平均 13.9

Table 2. Daily Maximum Temperature (°C). (1984)

1	2	3	4	5	6	7	8	9	10	上旬 平均	11	12	13	14	15	16	17		
January																			
6.8	6.2	4.5	1.5	1.4	3.7	3.1	5.4	4.2	7.8	4.5	2.3	4.8	6.1	8.3	7.1	3.2	0.8		
February																			
4.8	2.9	-0.3	2.4	3.3	-0.4	-1.8	0.7	0.8	3.4	1.6	4.4	4.8	3.4	4.4	3.6	4.2	2.6		
March																			
3.6	3.6	3.2	4.1	4.2	3.7	4.6	5.8	7.4	5.4	4.6	7.9	9.8	7.2	4.8	8.6	7.2	7.6		
April																			
7.9	14.4	15.5	16.2	18.5	9.9	10.7	11.1	15.1	15.6	13.5	11.3	12.2	15.9	18.7	18.2	20.6	23.8		
May																			
19.8	12.3	13.6	18.9	19.5	22.7	23.8	28.5	27.3	24.2	21.1	28.6	27.3	23.4	15.8	17.8	13.4	15.7		
June																			
27.7	27.9	27.7	27.2	30.3	29.8	28.9	26.5	26.7	23.2	27.6	28.7	29.7	29.4	30.3	28.3	28.5	27.9		
July																			
30.1	32.2	33.4	31.7	30.3	28.4	28.8	30.6	30.4	27.2	30.3	27.7	30.3	27.4	33.1	33.2	34.1	28.9		
August																			
33.2	32.8	33.7	33.4	30.9	33.4	33.4	33.8	33.7	33.7	33.2	36.4	35.1	34.8	33.3	30.5	33.4	34.2		
September																			
34.4	33.3	32.9	25.8	25.4	26.6	26.5	25.5	25.8	27.6	28.4	24.8	24.9	23.7	25.5	24.8	22.9	25.6		
October																			
27.2	27.9	21.4	20.1	15.7	18.9	18.3	18.1	21.6	19.4	20.9	19.7	22.6	20.1	19.5	20.6	20.8	21.8		
November																			
16.8	15.1	16.3	20.2	22.1	23.6	25.2	22.7	22.6	18.9	20.4	13.4	11.7	13.4	16.8	15.6	16.4	16.8		
December																			
16.3	7.6	12.8	16.2	16.4	7.3	9.8	16.8	15.4	18.7	13.7	14.4	14.2	13.2	10.7	10.2	9.8	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
2.6	1.1	4.9	4.1	4.2	4.7	1.8	3.8	2.7	0.2	1.8	1.3	1.8	4.3	2.0	2.6	3.7
3.1	4.2	8.3	4.3	8.7	7.7	5.5	5.2	7.9	6.2	1.9	-0.2	-0.2			4.7	3.5
8.8	5.2	5.2	7.2	3.8	5.2	10.2	10.4	13.1	8.8	13.4	11.3	16.9	17.7	7.7	10.8	7.6
23.9	9.3	10.3	16.4	12.4	11.6	15.4	20.9	21.4	23.8	23.8	23.5	23.1	16.9		19.3	16.4
20.4	22.9	19.4	20.5	20.8	20.4	21.6	22.4	21.6	26.7	23.1	26.9	22.9	26.5	23.8	23.3	21.7
30.6	32.1	22.6	28.8	23.5	22.2	26.6	27.6	23.1	24.7	25.7	27.9	25.3	28.7		25.6	27.3
28.8	28.8	26.6	29.9	29.8	30.3	30.5	30.3	29.9	29.8	32.7	33.1	28.4	34.2	32.6	31.1	30.4
33.8	34.2	34.2	29.8	33.8	27.9	30.5	31.6	33.1	32.6	30.8	31.9	33.4	32.7	32.2	31.9	31.6
25.2	23.7	24.9	24.6	24.6	24.1	27.5	27.8	26.2	21.6	22.8	25.3	25.5	26.8		25.2	26.1
21.7	18.8	22.1	20.8	18.4	18.2	23.6	22.4	24.1	21.4	23.3	14.9	13.4	9.7	16.3	18.7	20.1
13.4	16.3	10.8	14.5	14.1	14.9	18.2	11.5	8.4	12.1	9.4	10.7	15.3	16.8		13.1	16.0
7.8	5.4	7.8	10.2	6.3	6.2	4.5	3.2	2.6	4.3	2.7	3.1	2.2	2.1	3.2	3.7	9.0

年平均 17.8

Table 3. Daily Minimum Temperature (°C). (1984)

1	2	3	4	5	6	7	8	9	10	上旬 平均	11	12	13	14	15	16	17		
January																			
-3.5	-0.9	0.8	0.5	-0.7	-1.8	-0.7	0.2	-2.6	0.3	-0.8	0.5	-0.4	0.2	-0.6	0.8	0.3	-2.2		
February																			
-0.3	-1.3	-2.4	-3.3	-2.8	-1.9	-5.6	-5.5	-3.7	-3.6	-3.0	-6.7	-3.6	-3.9	-0.3	-1.4	-2.8	-3.7		
March																			
-4.6	-3.8	-3.7	-3.9	-2.6	-2.6	-2.8	-0.2	-2.8	-1.2	-2.9	-2.7	-3.6	0.6	0.5	-2.6	1.3	-0.6		
April																			
3.8	3.7	0.3	6.9	9.8	7.3	-0.5	-1.2	0.6	5.2	3.6	8.4	3.6	0.4	0.2	3.8	8.5	9.8		
May																			
7.6	7.2	9.8	3.4	5.3	7.6	11.4	8.2	11.4	9.4	8.1	9.6	11.9	16.8	14.3	12.3	12.6	10.3		
June																			
12.3	15.8	17.2	14.9	18.3	19.6	22.4	17.4	15.7	14.6	16.8	13.8	13.2	16.3	15.8	21.2	23.9	24.1		
July																			
15.9	17.4	24.4	23.6	23.4	22.7	21.8	20.9	21.4	22.5	21.4	19.7	21.8	23.7	20.3	22.7	24.8	25.1		
August																			
22.7	19.8	23.8	21.9	22.4	23.2	21.8	24.2	21.9	22.4	23.4	22.4	22.4	21.2	29.3	25.6	24.6	21.1		
September																			
22.3	24.3	27.6	22.5	20.4	16.6	16.3	18.7	19.4	19.8	20.8	15.3	14.6	16.3	16.6	13.4	13.8	14.4		
October																			
14.2	19.3	21.4	14.9	8.7	7.3	10.1	8.3	8.9	6.3	11.9	7.9	10.1	12.7	8.3	9.4	11.3	13.7		
November																			
4.3	6.9	2.2	1.6	8.3	7.2	8.7	12.3	9.8	8.3	6.9	9.2	9.5	6.1	4.9	7.2	10.4	4.4		
December																			
1.5	3.1	2.8	-0.2	1.3	6.3	3.4	-2.2	-1.2	3.6	1.8	7.3	10.2	7.5	4.3	4.8	3.2	2.8		

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
-3.9	-2.8	-0.9	-0.9	-1.6	-0.1	-0.8	-0.9	-1.2	-3.2	-2.8	-3.3	-3.7	-2.5	-0.2	-1.9	-0.6
-2.5	-4.6	-5.8	-3.5	-2.4	-3.4	0.3	1.2	0.4	1.5	0.3	-3.2	-6.2			-1.3	-2.7
-2.7	0.8	-0.8	-1.0	-0.1	-0.3	-5.3	0.2	1.6	1.2	-3.2	1.7	0.8	1.8	6.1	0.4	-1.2
12.2	8.3	6.8	6.2	6.6	5.7	1.2	1.3	4.6	8.9	7.2	8.3	8.2	6.4		5.8	5.2
5.3	6.3	8.4	10.8	8.9	8.3	6.3	6.3	5.3	10.4	12.4	13.7	17.6	11.9	15.8	10.6	9.9
20.2	21.2	18.3	18.8	16.9	17.8	19.3	16.3	18.5	21.2	20.6	14.5	18.3	15.3		17.9	17.8
22.4	22.3	23.3	22.6	22.8	21.7	23.3	26.4	23.7	22.3	22.1	22.4	20.3	22.9	21.2	22.7	22.2
22.1	21.6	27.5	23.8	28.4	25.7	21.5	20.4	21.2	23.3	24.4	24.4	20.8	21.2	20.4	22.9	23.3
17.8	14.6	17.4	15.4	15.5	12.4	13.1	15.4	14.9	16.7	8.7	12.8	16.6	15.2		14.1	16.8
9.4	13.6	11.3	10.8	9.5	2.7	6.4	9.5	13.4	10.5	11.5	8.3	9.4	6.3	6.2	8.5	10.4
6.4	5.2	8.4	7.2	6.3	2.4	1.2	5.6	3.4	1.9	3.2	4.4	1.2	1.4		3.1	5.7
2.5	2.4	-0.6	4.4	1.2	0.4	-2.8	-1.4	-2.4	-1.7	0.2	-0.3	-1.4	-3.8	0.5	-1.1	1.7

年平均 9.1

Table 4. Daily Amount of Precipitation (mm). (1984)

1	2	3	4	5	6	7	8	9	10	上旬計	11	12	13	14	15	16	17	
January																		
	2	75	79	11	33	3			19	222	7	1			9	26	11	
February																		
2	15	15		16	32	30	19	29	3	161		2		26	2	3	10	
March																		
2	9	6	5	11	5	4			10	52				3	13	3		
April																		
		2	15	2				2	2	23	1				12	15		
May																		
22	6									28			6	2	1	19		
June																		
						23	4	4		31							0	
July																		
		2	2	6	3	8				21		3	2				3	
August																		
										0			2	2	19	5		
September																		
			36	4		9	29	31		109			4				3	
October																		
4	31	16		1	1		1			54		2				23		
November																		
5									4	9	23	16		13	34		1	
December																		
18	10			20	16				10	74	19	29		34	19	11	12	



18	19	20	中旬計	21	22	23	24	25	26	27	28	29	30	31	下旬計	月計
10	28	2	94		2	18	5	4	21	1	3	24	12	15	105	421
			43		30	9		9	11	19	11	10			99	303
8	9	11	47	10		3	2						11	2	28	127
30	55	3	116	2								4	26		32	171
		2	30								2	9	5	1	17	75
	23		23		8		28	20	66		14				134	188
	6	27	41				3	33			5	7			48	110
			28	8						1					9	37
	2		9									6			6	124
3		3	31								12	14	35	10	71	156
1	29	5	122			8	14	6	2	21					51	182
	6	3	133	3			50	13	10	3		2			81	288

年計 2182



17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
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					NE				NE		NE		SW	
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SW									SW					
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	SW			NE	NE	NE	NE	NE						
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SW		SW						SW	SE	SW			SW	
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						SW	SW	SE						
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			SW	SW	SW	SW	SW			SW	SW			
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		NE							NW	NE		SW		
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			NE						SE					
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NE														
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			NE	NE		NE	NE				NE		NE	
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17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
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0	0	0	0	0	0	0	0	0	3	0	0	0	0	0
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0	0	0	0	0	0	0	0	2	0	3	3	0		
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0	0	0	0	0	3	0	0	0	1	0	2	0	4	0
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3	0	0	0	0	0	0	0	0	2	0	0	0	0	
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0	2	0	0	3	3	2	2	2	0	0	0	0	0	0
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3	0	3	0	0	0	0	0	2	2	3	0	0	3	
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0	0	0	0	0	0	3	3	2	0	0	0	0	0	0
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0	0	0	2	4	4	3	2	0	0	3	2	0	0	0
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0	0	2	0	0	0	0	0	0	3	2	0	2	0	
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0	0	0	2	0	0	0	0	0	2	0	0	0	0	0
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2	0	0	0	0	0	0	0	0	0	0	0	0	0	
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0	0	0	3	2	0	2	3	0	0	0	2	0	2	0
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Table 7. Amount of Cloud at 9 AM. (1984)

1	2	3	4	5	6	7	8	9	10	上旬 平均	11	12	13	14	15	16	17	
January																		
10	5	10	10	10	3	10	6	10	10	8.4	10	10	10	0	10	10	10	
February																		
10	10	10	10	10	10	10	10	10	10	10.0	0	10	10	7	10	10	10	
March																		
7	10	10	10	10	10	10	10	10	10	9.7	10	10	10	10	0	10	10	
April																		
10	10	10	10	10	10	8	10	10	10	9.8	10	4	0	0	10	10	0	
May																		
10	10	10	10	0	0	0	0	0	0	4.0	0	0	10	10	10	10	10	
June																		
0	10	10	0	10	10	10	10	10	10	8.0	10	0	10	0	10	10	10	
July																		
0	4	0	10	10	10	10	10	10	10	7.4	8	0	10	6	0	0	0	
August																		
0	6	5	0	7	0	10	0	0	10	3.8	0	0	0	0	10	5	0	
September																		
10	2	7	10	6	5	10	10	10	6	7.6	10	9	10	10	10	8	6	
October																		
10	0	10	10	10	10	8	6	5	10	7.9	10	0	10	10	3	4	10	
November																		
10	5	0	0	0	5	0	0	10	7	3.7	10	10	8	7	10	8	10	
December																		
6	10	10	0	2	10	10	0	0	10	5.8	10	10	10	10	10	10	10	

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
7	10	10	8.7	10	10	10	10	10	10	10	10	10	10	10	10.0	9.1
10	10	10	8.7	0	0	10	10	10	10	10	10	10			7.8	8.7
0	10	10	8.0	10	9	0	10	0	10	0	10	10	0	10	6.3	7.9
0	10	10	5.4	10	10	0	0	10	4	10	10	0	10		6.4	7.2
0	0	10	6.0	0	7	0	0	8	10	10	10	10	10	10	6.8	5.7
10	10	10	8.0	10	10	10	4	10	10	10	10	10	8		9.4	8.5
10	10	10	5.4	10	2	7	10	10	8	10	6	10	0	0	6.6	6.5
0	0	0	1.5	10	10	4	3	0	10	10	10	0	0	2	5.4	3.6
10	10	10	9.3	10	6	4	0	10	5	10	10	10	0		6.5	7.8
0	10	0	5.7	3	0	0	10	10	10	0	10	10	10	10	6.6	6.7
10	4	10	8.7	10	10	0	10	10	0	10	10	8	1		6.9	6.4
10	10	8	9.8	10	10	10	10	10	10	10	4	3	10	10	8.8	9.2

Table 8. Daily Weather (1984)

: ○ 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	☉	☺	☉	☺	●	*	△
*	☉	☉	*	*	☉	*	*	☉	☉	☉	☉	1	4	14			12	
☺	☉	☉	●	☉	☉	☉	☉	*	*			3	1	15	1	1	8	
●	●	☉	☉	●	☉	☉	☉	☉	☉	☉	●	6	1	14	1	5	4	
●	☉	☉	☉	☉	☉	☺	☺	☉	☉	☉	●	7	3	13	2	5		
☺	☉	☺	☉	☉	☺	☉	☉	☉	☉	☉	●	13	2	13	1	2		
☉	☉	☉	☉	☺	☉	☉	☉	☉	☉	☺		4	2	21	2	1		
●	☉	☺	☺	☉	☉	☺	☉	☺	☺	●	☉	8	7	13		3		
☉	☉	☉	☺	☺	☉	☉	☉	☉	☉	☉	☺	16	7	7	1			
☉	☉	☺	☺	☉	☉	☺	☉	☉	☉	☉		2	10	15	1	2		
☉	☺	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	7	6	16		2		
☉	☉	☉	☉	☉	☉	☉	●	☉	☺	☉		8	8	10		4		
☺	☉	☉	☉	☉	*	☉	*	☺	☺	☉	☉	3	5	16		5	2	

計 78 56 167 9 30 26

Table 9. Daily Humidity (%) at 9 AM (1984)

1	2	3	4	5	6	7	8	9	10	上旬 平均	11	12	13	14	15	16	17		
January																			
93	93	94	95	94	94	93	90	87	88	92.1	90	91	90	84	91	92	92		
February																			
89	87	90	92	85	91	92	91	92	91	90.0	82	87	89	86	92	90	86		
March																			
85	90	92	94	94	93	94	92	92	90	91.6	93	89	88	86	88	95	91		
April																			
91	85	78	80	92	90	84	81	83	94	85.8	95	86	80	77	85	94	85		
May																			
90	95	92	88	84	82	76	81	83	88	85.9	84	71	85	88	89	92	90		
June																			
72	73	92	85	67	85	80	93	90	88	82.5	83	78	85	87	88	74	86		
July																			
83	85	73	90	96	94	93	92	82	83	87.1	92	79	95	87	75	73	86		
August																			
88	81	90	87	86	87	88	86	83	87	86.3	87	84	81	87	81	75	87		
September																			
82	80	69	89	90	91	88	96	95	93	87.3	90	88	92	90	91	88	87		
October																			
80	91	94	90	94	93	92	81	89	87	89.1	92	87	91	89	85	86	94		
November																			
90	93	90	88	85	92	84	91	96	89	89.8	94	95	89	90	95	91	93		
December																			
89	92	92	89	86	94	92	90	88	86	89.8	93	91	90	91	92	91	95		

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
88	91	90	89.9	82	89	87	91	90	88	89	86	91	87	92	88.4	90.1
89	87	88	87.6	82	81	95	91	89	87	92	92	91			88.9	88.8
85	95	94	90.4	96	95	87	95	91	88	83	86	83	80	93	88.8	90.2
74	93	95	86.4	90	88	85	69	86	74	72	79	77	92		81.2	84.5
87	86	88	86.0	87	89	85	85	81	80	83	80	88	85	94	85.2	85.7
78	83	89	83.1	86	92	95	90	96	95	94	92	91	90		92.1	85.9
83	95	96	86.1	91	80	75	86	88	90	90	90	95	88	88	87.4	86.9
95	89	76	84.2	81	87	78	83	79	83	85	90	85	84	90	84.1	84.8
90	92	89	89.7	89	87	84	85	90	89	82	85	82	88		86.1	87.7
88	89	87	88.8	90	80	87	94	91	82	83	85	85	96	94	87.9	85.2
93	90	92	92.2	90	93	89	88	91	91	95	93	94	90		91.4	91.1
96	94	91	92.4	91	90	90	89	94	93	92	93	91	92	90	91.4	91.2

Table 10. Daily Duration of Sunshine (hours). (1984)

1	2	3	4	5	6	7	8	9	10	上旬計	11	12	13	14	15	16	17	
January																		
5.9	5.4	0	0	3.4	3.6	0	4.2	2.9	4.5	29.9	0	2.8	1.5	8.2	0	3.2	0	
February																		
4.4	3.2	3.6	4.5	6.7	3.9	2.1	0	2.2	1.9	32.5	8.3	2.7	4.5	6.6	7.3	7.4	0	
March																		
7.8	0	3.3	7.9	5.8	0	5.7	6.6	7.6	4.5	49.2	5.8	4.7	5.4	0	4.3	0	4.2	
April																		
0	9.9	3.9	0	1.8	1.2	6.9	8.9	3.6	0	36.2	2.6	8.8	10.3	10.9	3.9	0	10.7	
May																		
7.7	0	6.2	7.9	10.8	11.1	10.8	10.6	8.8	10.9	84.8	10.1	10.4	0	0	9.1	0	10.7	
June																		
10.9	9.9	7.9	10.1	10.9	10.2	10.2	0	11.4	3.4	84.9	11.2	10.4	10.9	9.9	5.9	7.4	5.7	
July																		
11.1	7.8	10.9	9.6	8.4	6.9	7.3	8.5	7.3	8.2	86.0	6.1	9.3	3.8	7.3	10.9	11.5	9.8	
August																		
11.2	11.3	11.2	11.4	8.8	11.3	10.8	11.2	11.7	11.2	110.1	11.3	11.5	10.9	11.0	2.7	7.9	11.3	
September																		
11.2	9.7	8.8	9.9	9.8	7.6	9.8	0	5.8	7.9	80.5	5.2	8.9	7.9	6.7	6.9	6.8	9.5	
October																		
5.9	4.7	0	4.8	0	8.6	6.3	1.9	8.7	0	40.9	7.4	7.9	4.9	8.1	9.1	3.7	6.7	
November																		
5.6	9.9	10.3	9.2	8.4	8.6	7.4	8.1	6.5	5.3	79.3	0	0	8.1	7.7	0	8.8	6.8	
December																		
5.5	2.2	8.4	7.4	4.6	0	5.3	8.7	8.4	0	50.5	0	4.6	6.4	0	2.5	2.4	0	

18	19	20	中旬計	21	22	23	24	25	26	27	28	29	30	31	下旬計	月計
1.8	0	6.1	23.6	2.7	3.4	0	4.4	6.8	3.1	4.5	2.9	6.9	6.6	0	41.3	94.8
4.6	8.6	8.2	58.2	8.4	6.9	0	2.1	7.3	6.7	5.7	0	0			37.1	127.8
8.8	0	3.3	36.7	2.8	10.6	8.2	3.6	7.7	10.7	9.8	10.6	10.2	6.9	0	81.1	167.0
2.6	0	0	49.8	0	0	10.9	10.7	7.3	8.9	10.4	10.5	10.1	0		68.8	154.8
10.5	11.2	7.3	69.3	10.7	8.4	10.3	10.5	7.4	6.4	10.9	8.7	7.4	9.5	7.8	98.0	252.1
9.8	8.6	0	79.8	0	6.1	4.8	7.8	0	0	9.1	9.9	11.0	11.3		60.0	224.7
3.6	9.5	5.7	77.5	9.7	9.3	9.1	4.7	6.8	8.9	10.5	10.7	5.2	11.3	10.8	97.0	260.5
11.3	11.1	10.9	99.9	7.7	4.2	11.4	11.3	11.2	10.8	4.3	11.5	11.5	11.4	11.6	106.9	316.9
8.6	5.7	4.4	70.6	5.9	8.4	10.9	10.8	2.8	6.8	8.3	6.6	0	9.6		70.1	221.2
7.8	6.8	5.4	67.8	8.6	8.2	9.1	4.9	7.9	4.6	8.4	4.9	0	0	7.8	64.4	173.1
0	6.2	0	37.6	6.6	7.6	7.2	0	4.4	7.7	0	7.9	8.8	8.9		59.1	176.0
0	2.1	2.8	20.8	2.1	3.9	6.8	6.3	0	3.4	0	2.9	7.5	7.4	5.1	45.4	116.7



17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
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39	49	48	51	47	43	39	53	48	50	74	69	66	70	73
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79	83	80	76	71	66	58	54	48	44	43	54	62		
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								68	53	47	40	36	31	25
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Table 1. Daily Atmospheric Temperature (°C) at 9 A.M. (1985)

1	2	3	4	5	6	7	8	9	10	上旬 平均	11	12	13	14	15	16	17		
January																			
2.4	2.8	2.5	2.1	1.1	1.4	0.8	-2.8	1.2	4.5	1.6	1.7	0.3	0.8	-2.4	0.6	5.0	0.6		
February																			
3.5	3.0	2.7	0.6	3.4	1.8	3.5	1.5	8.4	2.6	3.1	3.4	2.2	5.7	1.0	0.7	2.2	3.4		
March																			
4.6	4.3	4.4	2.8	5.7	4.3	3.8	12.8	6.3	5.6	5.5	4.3	3.0	2.1	5.3	5.8	3.6	5.6		

Table 2. Daily Maximum Temperature (°C) (1985)

1	2	3	4	5	6	7	8	9	10	上旬 平均	11	12	13	14	15	16	17		
January																			
5.6	7.9	5.5	2.3	3.5	2.6	1.7	5.6	8.2	5.2	4.8	4.5	7.7	4.6	0.6	5.0	5.5	0.8		
February																			
6.8	7.9	9.2	9.7	6.2	7.7	11.4	9.2	18.6	5.9	9.3	8.4	11.9	6.2	1.0	4.2	6.7	5.3		
March																			
6.8	6.9	6.3	6.2	5.8	7.6	12.8	16.9	8.2	7.4	8.5	4.3	7.7	8.6	9.9	10.9	15.3	10.0		

Table 3. Daily Minimum Temperature (°C) (1985)

1	2	3	4	5	6	7	8	9	10	上旬 平均	11	12	13	14	15	16	17		
January																			
1.4	-0.8	1.6	1.1	-0.2	0.7	0.5	-4.6	-3.7	-1.3	-0.5	0.2	-2.7	-0.4	-4.7	-4.4	-0.3	-0.8		
February																			
-4.9	1.3	0.2	-1.9	-0.2	-0.8	-0.2	-0.9	0.6	1.6	-0.5	0.1	-1.4	1.7	-0.3	-1.8	-0.3	0.8		
March																			
0.9	1.8	3.6	-2.6	0.8	1.3	-0.7	2.4	5.4	3.2	1.6	3.5	0.6	-1.2	1.2	3.7	-2.8	3.2		



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
0.1	-1.6	2.2	0.7	3.5	0.4	3.7	3.3	1.2	0.7	2.1	3.6	-0.3	-2.2	-3.3	1.2	1.2
2.7	2.8	5.7	3.0	1.1	-0.5	1.7	0.5	0.7	0.5	2.0	1.9				9.9	2.5
10.0	6.4	6.9	5.3	6.4	6.3	5.0	7.2	15.5	9.6	8.5	9.2	5.5	4.6	3.9	7.4	6.1

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
1.3	6.9	4.2	4.1	5.4	11.1	6.9	3.8	1.9	4.6	5.9	4.8	1.3	-0.3	4.8	4.5	4.5
6.8	5.7	8.2	6.4	1.5	2.8	4.2	1.1	4.8	5.6	6.8	4.6				3.9	6.7
11.7	6.9	12.8	9.8	10.6	8.9	14.3	15.5	17.1	13.8	10.4	11.6	7.2	7.9	9.0	11.5	10.0

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
-1.8	-5.6	0.7	-1.9	1.4	-2.3	0.2	0.3	0.2	-0.6	-2.8	1.4	-1.4	-3.6	-7.8	-1.4	-1.3
1.1	1.7	2.2	0.4	-0.7	-3.8	-1.9	-3.8	-0.9	-2.3	-1.3	0.4				1.8	0.5
5.4	5.3	2.9	2.2	3.9	2.5	-0.9	-1.6	5.2	9.3	5.9	6.6	4.5	3.2	0.0	3.5	2.5

Table 4. Daily Amount of Precipitation (mm). (1985)

1	2	3	4	5	6	7	8	9	10	上旬 計	11	12	13	14	15	16	17
January																	
	5	19	25	8	46	11			3	117		8	9	4	0	8	19
February																	
4			1	1			13	3	18	94		2	45	6			
March																	
7	19	2		2		2	48	1	6	87	26	1				4	21

Table 5. Wind Direction at 9 A.M. (1985)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
January															
									NE				NE		NE
February															
NE															
March															
	NE		NE			NE	SW				NE			SE	

Table 6. Wind Speed at 9 A.M. (1985)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
January															
0	0	0	0	0	0	0	0	0	2	0	0	3	0	3	0
February															
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March															
0	2	0	2	0	0	2	3	0	0	0	2	0	0	2	0

18	19	20	中旬計	21	22	23	24	25	26	27	28	29	30	31	下旬計	月総計
		9	57		3	8	14	39	10		9	29	10		122	296
23	40		116	4	6	13	17			17	24				81	291
17	8	12	89	4				13	18	4	6	5	3		53	229

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

											SW			
--	--	--	--	--	--	--	--	--	--	--	----	--	--	--

				SW	W	SW								
--	--	--	--	----	---	----	--	--	--	--	--	--	--	--

			NE					SW					NE	
--	--	--	----	--	--	--	--	----	--	--	--	--	----	--

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

0	0	0	0	0	0	0	0	0	0	0	3	0	0	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

0	0	0	0	3	2	3	0	0	0	0	0			
---	---	---	---	---	---	---	---	---	---	---	---	--	--	--

0	0	0	2	0	0	0	0	2	0	0	0	0	1	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 7. Amount of Cloud at 9 A.M. (1985)

1	2	3	4	5	6	7	8	9	10	上旬 平均	11	12	13	14	15	16	17	
January																		
10	10	10	10	10	10	10	0	10	10	9.0	10	10	10	10	10	10	10	
February																		
10	0	10	2	10	10	10	0	10	10	7.2	4	10	3	10	10	10	10	
March																		
10	10	10	10	10	10	10	10	10	10	10.0	10	10	10	10	10	7	10	

Table 8. Daily Weather (1985) : ○ 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																		
⊙	⊙	●	⊙	⊙	⊙	⊙	⊙	●	⊙	●	●	⊙	⊙	⊙	⊙	●	⊙	●

Table 9. Daily Humidity (%) at 9 A.M. (1985)

1	2	3	4	5	6	7	8	9	10	上旬 平均	11	12	13	14	15	16	17	
January																		
94	93	95	95	94	94	95	90	89	85	92.4	91	88	93	93	86	90	92	
February																		
90	87	89	89	96	93	91	88	95	96	91.4	93	88	90	93	92	91	90	
March																		
91	92	94	87	89	86	84	90	95	91	89.9	95	96	87	88	86	88	93	

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
10	0	10	9.0	10	0	10	10	10	10	0	8	10	10	1	7.9	8.4
10	10	10	8.7	10	10	9	10	10	10	10	10				9.9	8.5
10	10	0	8.7	10	7	10	0	0	10	10	10	10	10	10	7.9	8.8

⊙ Cloudy Days, ⊕ Slightly Cloudy Days, ● Rainy Days, \* Snowy Days, △ Hail

20	21	22	23	24	25	26	27	28	29	30	31	○	⊕	⊙	⊕	●	*	△
⊙	⊙	○	⊙	●	*	*	○	⊕	*	*	○	5	1	12		3	9	1
⊙	⊙	⊙	⊙	*	⊙	⊙	⊙	●				2	3	16		4	3	
○	⊙	⊕	⊕	○	○	●	●	⊙	⊙	⊙	⊙	3	2	17	1	8		

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
94	88	90	90.5	92	90	93	95	94	93	91	88	92	93	92	92.1	91.7
89	93	91	91.0	90	91	87	92	90	88	87	95				90.0	90.9
90	94	88	90.5	93	90	88	85	86	92	93	88	85	75	78	86.6	88.9



