

◎統計と資料

三朝温泉地の気候について (14報)

松原扶美恵, 遠藤 裕井, 貴谷 光, 谷崎 勝朗

岡山大学医学部附属病院三朝分院

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14報としてひきつづき1990年1月1日から1990年12月末までの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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On climatology in Misasa spa(fourteenth report)

Fumie matsubara, Hiroi Endou, Hikaru Kitani and Yoshiro Tanizaki

Misasa Hospital, Okayama University Medical School

Climatological data of the last 12 months (1990.1.1-1991.12.31) obtained by the climate autorecording system at the Misasa Branch in Misasa spa, Tottori-ken, Japan are presented.

Table 1. Daily Atmospheric Temperature at 9 AM (°C). (1990)

1	2	3	4	5	6	7	8	9	10	上旬 平均	11	12	13	14	15	16	17	
January																		
			1.0	-1.0	4.0	1.1	0.1	4.3	14.9		5.3	5.3	0.8	0.3	2.5	1.2	2.9	
February																		
0.9	1.6	2.7	3.3	2.0	0.4	0.5	4.5	0.8	0.7	1.7	10.8	5.4	1.5	3.1	4.1	5.1	5.6	
March																		
4.8	7.1	6.8	4.6	5.1	3.4	7.2	4.2	3.1	6.6	5.3	6.9	8.6	1.9	6.2	11.2	6.2	6.7	
April																		
11.2	11.8	18.1	14.0	3.1	13.0	13.1	10.8	14.0	15.2	12.4	15.6	18.7	18.8	13.9	12.4	9.0	8.4	
May																		
14.0	12.6	15.2	17.9	14.0	15.6	21.3	18.5	18.9	22.7	17.1	22.3	23.7	23.9	19.6	15.5	14.9	18.3	
June																		
18.1	20.4	21.2	22.9	18.4	21.3	23.8	23.9	25.0	25.5	22.1	26.2	24.6	24.7	26.9	22.5	19.9	22.6	
July																		
21.6	21.8	22.5	24.8	22.0	24.3	26.6	26.6	29.4	28.2	24.8	29.6	28.2	24.9	27.2	26.6	26.8	30.5	
August																		
27.7	28.7	29.0	28.3	27.8	27.7	28.1	28.0	28.8	27.3	28.1	29.7	26.2	28.3	25.0	30.6	29.5	28.2	
September																		
30.5	29.3	23.9	23.3	22.6	24.3	23.3	22.2	21.3	25.8	24.7	29.1	29.5	23.1	23.6	21.1	22.0	23.3	
October																		
19.5	18.6	17.4	17.9	20.2	19.0	17.0	18.5	16.4	14.1	17.9	13.2	16.6	16.6	19.6	19.4	16.6	15.5	
November																		
12.2	12.7	11.4	13.2	15.4	12.8	17.0	11.1	12.1	9.0	12.7	7.5	10.9	10.1	10.1	11.7	9.3	10.8	
December																		
13.1	9.3	5.6	7.4	6.2	4.6	7.1	6.4	5.3	8.7	7.4	11.5	5.7	5.5	10.3	6.4	3.0	3.8	

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
9.1	6.5	0.5	3.5	0.6	3.5	-0.3	-2.4	-2.8	-2.5	-1.5	-0.2	9.1	2.7	0.3	0.6	
3.8	13.5	12.4	6.5	7.1	6.2	11.9	8.0	6.7	5.2	4.5	2.7				6.5	4.9
6.0	5.2	12.0	7.1	9.0	7.6	16.3	19.0	6.5	7.4	6.6	9.0	9.8	10.4	12.8	10.4	7.6
8.3	9.8	14.1	12.9	12.4	15.2	11.0	8.2	12.2	17.8	18.1	21.6	17.1	13.2		14.7	13.3
16.7	17.6	22.9	19.5	18.6	19.2	17.2	18.3	15.7	17.5	20.9	23.7	22.9	22.9	20.1	19.7	18.8
25.2	28.0	25.1	24.6	29.2	24.2	29.1	28.6	24.8	26.5	23.3	20.2	22.6	19.9		24.8	23.8
29.1	30.2	29.2	28.2	29.7	30.0	28.6	29.0	29.6	27.8	27.6	30.0	28.6	27.6	26.5	28.6	27.2
24.3	28.8	29.8	28.0	26.8	29.5	31.2	27.5	25.3	24.7	24.1	23.9	25.8	29.8	30.4	27.2	27.8
20.6	20.7	18.7	23.2	18.8	21.5	22.6	23.0	19.8	19.8	18.8	20.1	20.6	20.0		20.5	22.8
14.5	12.7	13.7	15.8	13.1	13.7	13.3	13.0	14.0	12.9	13.2	10.4	9.1	12.9	13.0	12.6	15.4
12.5	13.5				6.7	10.6	5.1	11.9	13.3	6.9	10.8		13.3			
4.5	4.7	4.2	6.0	6.9	11.7	2.7	3.9	2.5	5.3	3.6	2.8	3.3	2.3	3.2	4.4	5.9

Table 2. Daily Maximum Temperature (°C). (1990)

1	2	3	4	5	6	7	8	9	10	上旬 平均	11	12	13	14	15	16	17		
January																			
4.2	6.5	3.9	6.9	8.0	7.8	5.3	9.8	13.0	18.8	8.4	9.9	14.3	6.6	6.5	6.0	7.6	9.4		
February																			
4.4	8.0	8.6	4.5	5.8	11.6	12.0	6.1	11.3	15.0	8.7	15.4	8.5	9.1	6.5	7.9	8.6	11.6		
March																			
7.8	8.1	7.9	10.4	10.5	10.0	8.3	7.5	14.3	17.2	10.1	16.9	14.7	11.3	14.9	15.1	12.7	13.7		
April																			
18.9	20.3	21.9	16.4	10.6	18.4	16.6	17.5	20.7	21.9	18.3	26.1	19.5	20.6	19.4	12.5	16.2	11.2		
May																			
16.7	17.6	18.4	19.5	19.6	25.7	25.9	21.1	23.9	30.2	21.9	28.8	25.3	28.3	21.1	20.1	20.1	23.4		
June																			
21.9	23.9	27.0	27.3	25.1	28.5	31.7	28.6	30.2	31.0	27.5	32.5	29.5	28.5	34.7	26.8	20.2	29.1		
July																			
24.4	23.7	27.7	27.4	28.7	29.8	29.1	31.1	32.9	33.1	28.8	34.3	31.3	29.6	29.4	28.0	33.4	33.7		
August																			
34.6	34.9	34.7	34.7	33.8	32.6	31.5	33.2	36.3	34.2	34.0	33.5	31.0	31.4	35.3	34.7	36.8	29.6		
September																			
36.7	35.3	29.8	27.4	26.8	30.7	27.8	30.1	32.7	32.1	30.9	34.5	32.7	24.2	27.7	24.2	27.3	25.8		
October																			
23.4	24.7	26.1	21.1	23.2	20.1	19.7	18.7	19.9	18.3	21.5	21.0	19.6	19.8	21.5	23.6	23.7	22.9		
November																			
22.0	22.0	21.7	14.5	19.7	22.4	19.7	18.6	14.7	13.5	18.9	15.1		21.8	21.2	18.4	20.5	21.1		
December																			
16.8	11.2	9.5	13.8	15.5	17.7	19.3	20.1	15.4	17.8	15.7	14.2	8.0	13.2	12.4	10.0	8.5	10.8		

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
11.7	8.3	3.9	8.4	4.8	6.7	3.2	0.4	1.8	2.7	2.6	5.9	9.5	5.0	1.4	4.0	6.8
12.7	16.7	16.5	11.3	15.8	17.3	14.7	10.5	8.7	10.9	9.4	9.5				12.1	10.6
9.6	16.6	15.7	14.1	14.3	19.2	22.1	19.0	7.9	11.6	17.2	10.3	12.7	17.5	16.0	15.2	13.2
10.0	14.1	15.4	16.5	18.1	18.1	14.3	13.7	20.5	23.8	24.0	25.1	18.5	18.6		19.5	18.1
18.8	23.4	28.6	23.8	26.0	20.3	20.5	22.9	19.9	23.4	28.1	27.4	26.9	27.9	26.4	24.5	23.4
30.6	32.7	26.6	29.1	33.5	26.8	32.4	32.9	29.9	31.9	25.9	26.6	24.5	23.5		28.8	28.5
34.0	32.2	32.8	31.9	32.6	33.4	32.4	34.8	34.1	32.2	33.8	35.2	33.8	33.3	33.4	33.5	31.4
29.9	33.8	34.5	33.0	35.9	30.4	32.9	33.4	32.0	30.5	29.0	29.6	32.6	35.7	35.8	32.5	33.2
23.3	20.9	23.8	26.4	25.0	27.9	25.9	26.3	21.9	20.6	25.8	23.7	25.5	20.9		24.3	27.2
20.9	21.7	21.6	21.6	22.4	22.4	20.6	21.7	19.3	17.4	17.2	18.7	18.8	21.5	21.5	20.1	21.0
22.6					13.4	15.2	17.2	17.1	14.4	15.3	13.3					
6.5	7.4	10.7	10.2	15.4	13.7	6.6	8.1	11.8	10.3	3.9	7.5	5.9	9.7	12.1	9.5	11.8

Table 3. Daily Minimum Temperature (°C). (1990)

1	2	3	4	5	6	7	8	9	10	上旬 平均	11	12	13	14	15	16	17			
January																				
-0.5	-0.7	-1.0	-0.6	-2.6	0.9	0.7	-0.4	1.1	6.3	0.3	0.7	1.2	0.3	-1.3	1.4	0.5	-1.1			
February																				
0.4	-1.5	-0.4	2.4	1.2	-1.3	-2.5	2.7	-1.6	-2.8	-0.4	3.0	1.1	-1.5	-0.7	3.3	3.7	1.2			
March																				
0.9	6.5	5.2	-0.3	-0.8	-1.3	1.0	-1.7	-3.2	-0.4	0.6	-0.3	4.3	-0.9	-1.2	6.6	4.5	1.8			
April																				
7.4	3.4	3.0	4.5	0.9	0.9	3.8	7.5	5.6	7.3	4.4	5.8	16.6	13.6	6.5	6.2	3.9	6.6			
May																				
2.7	9.3	11.0	13.9	7.3	3.7	10.5	11.9	9.2	12.2	9.1	14.9	15.3	13.9	14.5	10.0	8.8	10.1			
June																				
16.9	14.0	11.0	16.2	13.8	10.5	12.6	17.0	17.2	15.0	14.4	14.7	15.1	14.9	16.6	19.5	17.7	14.5			
July																				
19.0	20.0	20.3	20.5	18.7	16.8	20.7	21.7	22.0	22.5	20.2	22.2	21.9	20.6	21.1	23.6	22.9	23.2			
August																				
19.5	20.8	21.6	21.3	22.7	20.4	20.6	20.9	21.6	22.6	21.2	23.1	20.8	22.7	23.8	23.7	22.7	21.2			
September																				
23.4	24.4	22.2	18.8	18.0	19.4	19.8	17.0	13.6	19.9	19.6	21.2	22.6	21.9	21.2	19.8	18.3	19.8			
October																				
16.6	14.2	13.2	17.1	18.1	16.0	15.7	14.4	12.2	8.9	14.6	7.6	12.7	15.5	16.6	13.8	11.6	9.9			
November																				
7.7	8.4	7.7	11.3	9.5	7.9	9.0	7.1	10.4	4.9	8.4	4.6		5.7	6.7	7.7	6.2	6.5			
December																				
7.6	5.7	3.7	1.5	1.0	1.4	2.7	3.6	3.2	5.3	3.6	4.0	4.1	3.3	4.2	2.2	-0.1	2.2			

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
-1.1	3.7	-0.5	0.4	-1.7	-2.9	-2.8	-4.6	-4.9	-3.7	-2.2	-1.7	1.4	0.9	-0.2	-2.1	-0.5
-0.2	7.3	7.6	2.5	4.4	3.0	10.5	6.8	6.2	3.6	-0.4	-0.8				4.2	1.9
2.3	-0.9	2.6	1.9	0.2	-0.8	4.3	6.9	4.7	-0.5	-1.5	7.2	6.9	4.4	8.5	3.7	2.1
6.0	3.6	4.7	7.3	9.0	8.8	7.4	2.7	0.6	9.0	9.2	10.2	7.6	4.9		6.9	6.2
15.0	13.1	11.7	12.7	11.2	9.7	11.3	7.8	7.0	4.2	8.4	9.3	12.3	13.5	16.0	10.0	10.6
16.1	17.3	21.5	16.8	21.2	21.3	19.1	20.1	22.2	21.7	19.4	18.3	17.9	19.1		20.0	17.1
23.3	24.6	24.0	22.7	22.4	23.4	23.4	22.3	23.3	22.8	21.1	21.0	22.7	20.7	19.4	21.9	21.6
21.0	21.4	23.5	22.4	22.9	26.4	22.8	19.8	19.2	17.9	17.7	16.6	17.1	25.1	24.2	20.8	21.4
20.0	18.6	14.0	19.7	12.8	14.1	17.6	18.2	18.8	17.5	14.1	17.4	19.0	19.1		16.8	18.7
9.3	6.8	8.2	11.2	7.4	8.3	8.8	9.1	10.8	10.5	9.5	6.7	5.1	8.9	8.3	8.5	11.3
8.9					3.5	3.4	1.5	4.6	6.7	4.0	9.2					
2.4	3.5	2.7	2.9	3.2	2.6	0.5	0.4	0.4	-1.5	-1.4	0.8	2.0	0.0	-0.9	0.6	2.4

Table 4. Daily Amount of Precipitation (mm). (1990)

1	2	3	4	5	6	7	8	9	10	上旬 平均計	11	12	13	14	15	16	17		
January																			
10.0	0.5	21.5	0.5	0.0	7.5	2.0	0.0	0.0	15.5	57.5	2.5	0.5	18.0	10.0	2.0	18.0	3.0		
February																			
29.0	4.0	8.5	2.5	11.0	0.0	1.0	0.0	0.0	0.0	56.0	5.5	1.0	0.0	1.0	8.0	10.5	0.5		
March																			
26.5	27.0	10.0	0.0	0.0	0.5	8.5	1.0	0.0	0.0	73.5	1.5	8.0	0.0	0.0	1.5	0.5	0.0		
April																			
0.0	0.0	0.0	24.0	19.0	0.0	0.0	4.5	0.0	0.5	48.0	0.0	0.0	10.5	0.5	2.5	14.5	22.5		
May																			
0.0	0.0	26.0	12.0	18.0	0.0	8.0	9.5	0.0	0.0	73.5	0.0	0.0	2.0	22.0	8.5	0.0	0.0		
June																			
28.5	3.0	0.0	4.0	10.0	0.0	0.0	0.0	0.0	0.0	45.5	0.0	0.0	0.0	0.0	26.5	17.5	0.0		
July																			
3.0	19.5	19.5	0.0	0.0	0.0	6.0	0.0	0.0	0.0	48.0	0.0	10.0	0.0	2.5	26.0	0.0	16.5		
August																			
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.0	1.5	30.5	6.5	0.0	0.0	1.0	0.5	0.0	59.5		
September																			
0.0	0.0	9.5	0.5	0.0	0.0	0.5	0.0	0.0	0.0	10.5	0.0	15.5	38.5	10.5	14.0	8.5	8.5		
October																			
9.0	0.0	4.0	32.5	2.5	37.5	6.5	80.5	16.5	3.5	192.5	0.0	4.5	19.5	0.5	0.0	0.0	0.0		
November																			
0.5	0.0	0.5	78.5	1.5	0.0	0.0	0.0	36.5	1.0	118.5	0.0	0.0	0.0	0.0	9.5	0.0	0.0		
December																			
3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	4.5	10.0	6.5	1.0	2.5	0.5	2.0	2.0		

18	19	20	中旬 平均計	21	22	23	24	25	26	27	28	29	30	31	下旬 平均計	月 平均計
0.5	27.0	9.0	90.5	7.0	5.0	2.0	2.0	1.0	1.5	4.0	12.5	29.0	14.5	4.0	82.5	230.5
0.0	5.0	2.5	34.0	0.0	2.0	28.5	27.0	6.0	16.5	0.0	0.0				80.0	170.0
13.0	0.0	0.0	24.5	0.0	0.0	0.5	15.5	1.0	0.0	0.0	27.5	6.5	0.0	0.0	51.0	149.0
20.0	0.0	2.0	72.5	3.0	16.5	35.5	7.5	0.0	0.0	0.0	8.5	6.5	0.0		77.5	198.0
30.0	30.5	0.0	93.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	168.5
0.0	0.0	4.0	48.0	0.0	0.5	0.0	1.0	1.5	2.0	3.0	5.5	1.5	0.0		15.0	108.5
0.0	0.0	0.0	55.0	0.0	0.0	0.0	5.5	11.0	0.0	0.0	0.0	0.0	0.0	0.0	16.5	119.5
0.0	0.0	0.0	67.5	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	102.0
99.0	297.5	21.0	513.0	0.0	0.0	1.5	4.0	21.5	20.0	0.0	1.0	0.0	47.0		95.0	618.5
0.0	0.0	0.0	24.5	0.0	0.0	0.0	2.5	14.0	20.5	0.5	0.0	0.0	0.0	0.5	38.0	255.0
0.0	0.0				0.0	3.0	0.0	3.0	9.5	1.5	1.5	6.5				
21.0	2.0	0.0	47.5	0.0	1.0	0.0	0.0	0.0	0.0	13.0	2.5	19.0	0.0	4.0	39.5	91.5

Table 5. Wind Direction at 9 AM. (1990)

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

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
CALM	WEW	CALM	W	CALM	W	CALM	NW	SE	CALM	CALM	CALM	ENE	NNE	CALM
SW	E	SSE	WSW	CALM	CALM	CALM	ENE	W	CALM	ENE	WSW			
SSE	E	ENE	SW	E	ENE	NNW	WNW	NE	ESE	SE	NE	NE	SW	NE
NW	CALM	WSW	SSE	CALM	CALM	SE	CALM	CALM	NE	ESE	W	WSW	SW	
CALM	ENE	ESE	W	CALM	ENE	WSW	CALM	CALM	SW	SW	WSW	CALM	WNW	SSE
CALM	SW	S	ENE	WNW	SSW	CALM	ENE	WSW	WNW	CALM	WSW	SW	WSW	
NNW	ESE	CALM	NNW	NE	N	NE	NW	E	SSE	SSW	WSW	SSW	SW	SW
CALM	CALM	S	SSE	CALM	E	SSE	CALM	S	S	SW	SW	WSW	SSE	SSW
NE	WSW	NE	SW	SW	ENE	CALM	E	ENE	NE	S	CALM	N	CALM	
CALM	SSW	S	CALM	SSW	SSE	CALM	CALM	CALM	S	CALM	SE	ENE	CALM	ENE
CALM	E	CALM				CALM	N	CALM	S	SW	CALM	CALM		WSW
CALM	ENE	CALM	ENE	NE	W	WSW	CALM	ENE	WSW	SW	NE	ENE	CALM	NE

Table 6. Wind Speed at 9 AM. (1990)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
January															
			0.6	0.3	0.2	0.0	0.0	0.6	3.1	0.4	0.5	0.0	0.0	0.4	0.4
February															
0.0	0.1	0.5	0.1	1.0	0.3	0.1	0.7	0.2	0.7	0.5	0.1	0.2	0.0	0.1	1.0
March															
0.0	0.9	0.8	0.6	1.1	1.1	1.8	1.9	0.5	0.6	0.2	4.4	0.0	0.2	0.8	0.1
April															
0.0	0.6	1.3	1.3	1.1	4.0	1.5	0.3	0.5	0.0	0.7	3.1	2.7	0.3	2.2	0.4
May															
28	2.2	0.2	0.8	0.0	0.5	0.7	1.4	0.9	0.4	0.9	0.6	0.9	0.0	0.8	0.5
June															
0.9	0.5	0.3	0.1	0.6	1.4	1.0	3.6	4.4	1.2	0.0	0.2	1.9	0.5	0.4	0.4
July															
0.3	2.0	0.9	0.7	0.7	0.4	0.8	1.1	1.0	0.5	0.1	1.5	0.5	0.2	0.8	0.1
August															
0.8	0.8	1.1	0.8	0.2	1.4	0.9	1.2	0.6	1.1	0.6	0.4	0.7	1.9	3.1	1.0
Septembr															
3.2	2.1	1.5	2.0	0.6	1.3	0.1	0.4	0.5	0.4	1.8	3.3	2.4	0.4	0.1	1.4
October															
0.2	0.5	0.3	0.0	0.2	0.0	0.8	3.1	0.8	0.4	0.7	2.0	0.4	0.7	1.0	0.6
November															
0.0	0.1	0.0	1.4	1.0	0.6	2.0	0.4	1.8	5.8	0.2	0.7	0.1	0.1	0.4	0.0
December															
2.2	5.4	0.1	0.8	0.5	0.3	2.0	0.2	0.2	1.0	1.8	0.2	0.0	1.4	0.5	0.6

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
0.0	3.0	0.0	0.8	0.0	4.6	0.0	1.0	0.3	0.0	0.0	0.0	2.3	0.3	0.0
0.4	0.7	2.8	4.2	0.3	0.1	0.0	1.1	0.6	0.0	0.6	1.4			
0.3	1.4	0.5	2.3	2.9	0.7	0.8	3.6	2.7	2.7	0.5	0.8	1.3	1.6	0.6
0.4	1.3	0.5	1.8	0.0	0.0	1.7	0.5	0.1	1.1	0.6	2.2	2.3	1.6	
0.2	2.0	0.6	1.8	0.2	1.4	1.3	0.2	0.4	2.1	0.3	1.7	0.4	0.5	2.3
0.1	1.1	2.8	0.4	2.6	0.8	0.5	0.5	0.4	3.2	0.4	2.4	0.4	1.2	
0.9	0.9	0.4	0.7	0.6	1.7	0.3	0.3	1.3	0.8	0.7	1.1	0.6	1.1	1.0
0.2	0.3	2.0	2.2	0.4	3.3	2.9	0.2	0.7	0.3	1.1	0.8	0.9	1.8	0.7
1.1	1.4	3.0	0.7	1.2	0.8	0.0	0.9	0.6	0.9	0.7	0.2	0.5	0.2	
0.2	0.6	0.3	0.3	0.3	0.5	0.2	0.0	0.2	0.2	0.3	0.2	0.3	0.4	0.4
0.2	0.6	0.1			0.0	1.4	0.1	1.1	0.5	0.1	0.1		1.3	
0.2	0.4	0.0	0.3	1.2	5.3	6.6	0.0	1.5	2.0	2.0	1.3	1.0	0.0	1.5

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

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

Table 8. Daily Humidity (%) at 9 AM. (1990)

1	2	3	4	5	6	7	8	9	10	上旬 平均	11	12	13	14	15	16	17	
January																		
			87.7	91.4	89.8	91.1	90.3	78.7	60.4		69.6	79.7	89.9	91.7	86.2	91.7	90.6	
February																		
91.5	76.2	86.6	90.5	91.6	91.0	91.4	71.8	91.4	82.3	86.4	86.0	87.7	77.3	87.8	91.2	87.3	88.5	
March																		
85.2	86.6	90.9	89.8	87.8	77.3	60.8	39.9	77.7	74.4	77.0	69.2	67.2	84.9	71.2	74.1	89.2	79.0	
April																		
85.1	65.1	27.1	88.1	87.5	35.7	51.9	63.6	40.7	54.1	59.9	54.4	40.4	69.6	53.2	52.6	86.9	85.7	
May																		
35.4	65.6	77.7	83.3	89.1	45.1	39.0	68.4	61.1	39.9	60.5	56.8	55.2	56.4	83.4	64.2	62.5	54.5	
June																		
85.7	64.9	46.6	54.6	81.9	49.8	49.7	44.0	66.8	35.2	57.9	43.1	50.2	47.2	49.1	87.7	85.2	66.4	
July																		
85.2	69.1	87.6	73.0	72.3	60.9	68.7	80.7	58.8	64.4	72.1	61.0	71.8	71.7	65.3	80.5	85.6	54.1	
August																		
59.3	55.5	60.8	59.6	71.5	59.9	68.0	62.9	62.9	73.9	63.4	64.4	65.3	68.1	87.8	51.9	57.9	68.7	
September																		
53.6	43.2	82.0	76.5	67.9	63.8	82.4	74.7	61.1	67.0	67.2	53.2	48.2	81.7	81.8	86.0	79.2	86.0	
October																		
85.7	81.0	79.4	87.5	86.1	86.4	87.6	87.7	77.6	62.5	82.2	69.6	79.0	87.9	87.8	75.0	80.5	80.3	
November																		
88.9	86.2	89.4	89.7	89.4	84.0	62.0	80.9	83.9	41.6	79.6	65.2	77.8	90.8	86.0	86.2	90.2	89.3	
December																		
70.8	45.8	67.9	71.3	81.1	88.7	84.7	90.8	84.6	89.6	77.5	58.8	89.6	90.7	57.6	86.8	89.6	89.1	

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
45.2	89.2	89.4	82.3	86.5	56.3	88.8	78.8	79.4	88.3	86.9	91.9	69.7	90.0	90.3	82.4	
75.3	61.7	49.3	79.2	82.5	74.3	90.7	87.8	89.6	88.9	75.7	77.1				83.3	83.0
79.9	76.5	59.1	75.0	53.6	59.7	52.9	60.3	41.8	42.3	52.4	89.7	87.5	73.5	77.9	62.9	71.6
77.5	59.2	44.9	62.4	79.3	81.7	87.6	80.2	46.8	44.5	52.6	40.0	59.4	56.3		62.8	61.7
69.7	82.3	42.3	62.7	52.7	47.4	52.3	51.1	68.5	50.3	38.1	34.4	40.9	47.8	60.2	49.4	57.5
54.2	38.9	80.2	60.2	48.0	78.9	53.7	54.1	83.4	58.4	84.4	87.3	65.1	86.9		70.0	62.7
55.7	59.6	59.7	66.5	67.0	63.7	68.1	62.2	54.5	60.4	64.5	55.2	67.7	64.9	61.5	62.7	67.1
80.5	53.9	53.7	65.2	73.9	58.3	61.3	67.6	59.7	72.6	63.9	62.2	60.4	58.0	55.6	63.0	63.9
86.3	86.9	68.0	75.6	72.0	71.8	75.7	77.3	87.4	86.0	82.5	87.8	84.4	87.3		81.2	74.7
80.1	75.9	81.9	79.8	85.6	79.1	82.4	90.7	83.9	83.5	72.3	90.5	87.0	81.0	90.8	84.3	82.1
88.3	88.9				85.0	69.0	91.3	72.1	88.4	90.5	89.0		88.6			
88.8	80.5	90.4	82.2	83.7	50.5	66.9	61.0	78.3	71.7	69.2	86.3	89.3	90.8	78.9	75.1	78.3

Table 9. Daily Duration of Sunshine (hours). (1990)

1	2	3	4	5	6	7	8	9	10	上旬 平均計	11	12	13	14	15	16	17		
January																			
3.3	1.9	2.0	3.6	3.6	2.0	0.0	7.1	0.1	4.7	28.3	2.7	3.9	0.0	3.6	0.6	1.5	3.0		
February																			
0.0	6.7	0.4	0.0	0.0	8.0	7.3	0.0	8.8	3.7	34.9	0.0	0.8	3.2	0.7	0.6	1.4	8.6		
March																			
0.0	0.0	0.0	7.7	6.2	5.0	0.7	8.5	9.7	10.2	48.0	7.2	1.3	8.2	6.3	0.6	4.3	9.8		
April																			
7.2	10.8	8.0	0.0	4.4	11.1	0.3	8.2	11.0	9.7	70.7	10.7	1.4	0.3	6.5	1.0	2.5	2.7		
May																			
10.8	9.1	2.0	0.0	5.3	11.9	8.5	5.3	11.8	10.9	75.6	9.2	10.7	10.9	0.0	9.9	11.1	8.9		
June																			
0.0	9.3	11.3	7.3	9.5	12.2	11.9	9.0	6.0	11.4	87.9	12.1	9.2	12.0	11.7	0.9	0.0	12.3		
July																			
4.2	3.4	4.3	6.2	9.0	11.9	4.7	9.1	9.6	10.0	72.4	8.7	4.3	7.2	7.1	0.6	8.4	9.1		
August																			
12.0	11.8	11.4	11.0	9.1	10.9	9.3	11.5	9.1	7.8	103.9	7.4	9.7	6.8	8.5	8.7	11.0	0.6		
September																			
11.1	10.8	2.4	7.3	5.8	7.2	5.4	9.9	9.9	7.2	77.0	10.1	4.8	0.3	1.8	1.5	6.5	0.0		
October																			
4.7	9.2	6.0	0.0	1.5	0.0	0.0	0.0	4.2	7.4	33.0	7.8	0.0	0.3	0.5	8.7	8.8	6.5		
November																			
9.2	9.2	6.5	0.0	4.1	8.6	5.8	7.9	0.0	1.4	52.7	4.4	6.8	9.1	8.3	3.8	8.7	6.9		
December																			
2.9	1.4	1.8	6.4	5.9	7.1	8.0	7.9	1.9	3.6	46.9	1.1	0.2	5.7	0.0	1.6	0.6	3.3		

18	19	20	中旬 平均計	21	22	23	24	25	26	27	28	29	30	31	下旬 平均計	月 平均計
0.9	0.0	2.6	18.8	4.2	2.1	2.1	2.9	4.1	3.4	2.8	4.0	0.0	0.0	0.0	25.6	72.7
5.9	0.0	8.5	29.7	8.7	5.9	0.0	0.0	0.5	2.4	7.3	6.8				31.6	96.2
2.2	10.9	10.2	61.0	10.7	9.4	6.0	0.0	5.1	10.8	9.0	0.0	1.6	10.6	0.0	63.2	172.2
3.6	9.6	1.5	39.8	6.6	0.0	0.5	6.5	11.5	10.7	9.1	6.6	7.1	1.0		68.6	179.1
0.2	9.4	10.6	80.9	9.6	9.1	9.1	11.2	6.9	12.1	12.1	12.1	11.8	9.7	7.2	110.9	267.4
11.5	11.4	0.2	81.0	11.8	0.8	12.2	7.8	5.3	6.6	0.5	6.9	4.2	1.0		57.1	226.0
10.2	6.5	11.4	73.5	11.3	10.0	8.5	5.6	8.6	11.1	11.3	10.3	10.1	11.7	12.0	110.5	256.4
7.3	11.3	11.6	82.9	9.1	0.2	8.4	11.1	11.3	9.6	10.3	11.4	10.5	8.1	10.1	100.1	286.9
0.0	0.0	5.8	30.8	7.4	10.8	2.4	4.7	1.0	0.0	8.2	0.1	5.1	0.0		39.7	147.5
8.7	9.9	9.4	60.6	9.0	7.3	6.6	6.7	1.5	3.1	2.2	6.5	4.2	5.3	8.0	60.4	154.0
7.5	1.4				3.8	4.6	8.5	0.5	0.0	3.0	0.0	0.5	0.0			
0.6	0.0	2.5	15.6	3.9	3.3	4.8	3.5	6.3	3.7	0.0	0.0	0.1	5.6	1.4	32.6	95.1

Table 10. Daily Atmospheric Pressure at 9 AM (mb). (1990)

1	2	3	4	5	6	7	8	9	10	上旬 平均	11	12	13	14	15	16	17	
January																		
			1014.3	1015.4	1011.2	1020.1	1023.7	1018.5	1002.5		1016.7	1011.6	1010.2	1013.1	1014.6	1007.6	1013.4	
February																		
1012.5	1022.3	1017.5	1016.7	1020.9	1022.5	1020.1	1019.1	1021.2	1020.1	1019.3	1006.8	1010.8	1018.0	1017.7	1015.3	1014.8	1020.3	
March																		
1014.8	1011.6	1009.3	1006.6	1004.8	1005.6	1003.1	1015.6	1018.3	1019.2	1010.9	1013.8	1000.7	1016.5	1016.4	1009.4	1016.0	1016.5	
April																		
1006.6	1009.4	1008.6	998.4	1007.2	1010.1	1009.3	1000.7	1007.9	1011.1	1006.9	1013.9	1010.8	1000.1	1003.1	1002.0	1003.6	1006.7	
May																		
1015.6	1012.2	1007.8	999.8	1002.1	1010.3	1007.4	1001.8	1006.1	1006.5	1007.0	1006.6	1005.2	1003.0	1000.7	1006.2	1011.0	1011.5	
June																		
1002.5	1001.0	1005.3	1000.3	1000.6	1008.0	1009.9	1004.7	989.3	1001.8	1002.3	1004.4	1002.0	1001.6	1003.7	999.5	1001.0	1007.0	
July																		
1002.6	1001.6	998.8	1001.8	1004.1	1002.4	1001.3	1001.9	1004.0	1004.0	1002.3	1001.2	994.6	995.2	999.6	998.7	999.0	997.6	
August																		
1001.2	1000.5	1000.5	1000.3	998.4	996.0	997.2	998.7	999.0	996.7	998.8	999.9	1003.4	1002.3	1002.0	1003.6	1005.4	1002.0	
September																		
1004.8	1002.8	998.1	1006.7	1009.6	1011.7	1012.5	1010.8	1006.3	1007.0	1007.0	1004.4	999.3	1003.3	1005.6	1006.0	1008.4	1002.5	
October																		
1006.9	1010.3	1013.4	1009.9	1009.4	1008.1	1007.5	996.9	1009.4	1018.9	1009.1	1019.3	1014.5	1008.0	1006.4	1010.4	1008.7	1009.5	
November																		
1012.5	1011.9	1010.3	1000.2	1006.8	1010.3	1009.3	1016.0	1008.7	1004.3	1009.0	1012.2	1015.5	1008.0	1006.4	1010.4	1008.7	1009.5	
December																		
1001.2	1006.6	1016.5	1020.3	1020.2	1019.8	1017.5	1015.3	1010.9	1008.5	1013.7	1004.6	1013.8	1015.4	1013.0	1015.3	1013.6	1013.9	

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
1011.3	1010.6	1017.4	1012.7	1019.0	1013.2	1011.7	1010.0	1017.9	1022.3	1024.0	1026.3	1010.4	1017.6	1016.7	1017.2	
1020.3	1013.4	1009.4	1014.7	1017.8	1016.0	1009.7	1010.3	1009.3	1011.8	1018.0	1022.1				1014.4	1016.1
1009.4	1015.2	1012.1	1012.6	1015.8	1016.9	1014.2	1004.5	1015.6	1017.7	1017.9	1012.7	1005.2	1010.5	1007.4	1012.6	1012.0
1009.3	1011.0	1007.3	1006.8	1006.6	1001.5	998.5	1006.7	1011.1	1010.4	1013.4	1011.5	1011.3	1016.6		1008.8	1007.5
1006.1	1001.2	1002.8	1005.4	1001.8	1003.1	1008.5	1008.3	1008.7	1012.9	1012.7	1011.5	1009.6	1008.8	1007.0	1008.4	1006.9
1008.5	1005.4	1003.1	1003.6	1000.8	1004.1	1007.1	1006.7	1004.4	996.6	997.7	1001.8	1002.4	1003.8		1002.5	1002.8
998.5	1000.7	1006.0	999.1	1007.1	1007.1	1006.4	1002.6	999.6	1001.8	1002.9	1004.3	1005.4	1005.2	1003.6	1004.2	1001.9
1003.3	1001.7	1002.7	1002.6	1001.9	992.0	995.7	1002.8	1004.8	1006.1	1010.3	1010.7	1008.3	1005.7	1005.6	1004.0	1001.8
1001.2	999.6	1003.8	1003.4	1011.1	1011.4	1009.9	1006.5	1009.4	1012.8	1012.1	1008.9	1008.3	1003.0		1009.3	1006.6
1010.4	1010.8	1011.6	1011.0	1013.9	1012.5	1012.1	1011.2	1007.0	1000.3	1012.1	1016.9	1014.4	1014.4	1013.3	1011.9	1010.7
1015.2	1014.8				1016.0	1019.1	1021.1	1017.6	1015.2	1016.0	1014.0		1002.4			
1007.4	1012.8	1012.0	1012.2	1009.3	1008.2	1011.4	1011.9	1013.9	1004.8	1011.1	1014.7	1014.6	1019.0	1013.6	1012.0	1012.3