

◎統計と資料

三朝温泉地の気候について (第20報)

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我々は1956年以降, 三朝温泉地の気候について観察を行っている。今回は1997年1月1日から1997年12月末日までの1年間の気象観察資料を報告する。機器の故障により, 記録の一部に欠落部分のあることをお断りしておく。

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On climatology in Misasa spa(twentieth report)

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Climatological data of the last 12 months (1997.1.1-1997.12.31) obtained by the climate autorecording system at the Misasa Medical Branch in Misasa SPa, Tottori-ken, Japan are presented.

Table 1. Daily Atmospheric Temperature at 9 AM (°C). (1997)

1	2	3	4	5	6	7	8	9	10	上旬 平均	11	12	13	14	15	16	17	
January																		
9.1	2.1	4.2	1.6	0.2	4.3	0.8	1.6	1.1					-0.9	9.1	2.7	0.0	3.8	
February																		
1.2	0.4	0.8	2.7	1.5	2.7	1.7	0.2	0.7	1.5	1.3	0.8	0.4	0.9	0.4	0.9	4.0	1.1	
March																		
8.1	2.5	4.4	2.9	5.2	7.3	12.7	5.3	8.1	5.0	6.2	9.2		6.2	12.3	8.3	6.8	5.4	
April																		
7.9	9.5	14.9	10.3	11.0	10.9	9.5	10.2	15.5			13.7	12.0	15.2	15.5	12.8	9.7	14.4	
May																		
14.7	21.2	16.7	18.8			24.0	24.7	11.1	19.0		20.8	20.4	19.0	18.8	19.9	22.2	18.1	
June																		
22.6	19.7	23.6	20.0	17.9	17.7	18.6	22.9	23.8	21.0	20.8	19.4	23.8					22.8	
July																		
27.9	22.7	27.9	29.9	30.7	28.6	26.9	21.0	20.5	21.5	25.8	22.7	22.6	23.2	25.9	27.9	25.6	22.2	
August																		
29.1	29.0	26.3	28.5				30.1	31.1	31.0		31.2	26.1	22.5	23.2	24.0	23.0	27.4	
September																		
27.7	28.8	23.8	22.1	21.0	21.2	22.2	23.7	25.1	22.3	23.8	22.9	23.2	24.1	20.8	17.3	18.8	21.2	
October																		
14.1	16.2	15.6	18.8	17.9	15.5	16.8	16.2								16.4	12.7	14.6	
November																		
7.9	10.4	8.3	10.4	11.2	9.1	10.6	7.3	7.8	8.2	9.1	10.3	12.6	15.4	13.7	14.6	13.7	12.6	
December																		
7.2	5.8	1.6	0.7	0.9	3.7	16.2	11.5	6.8	2.7	5.7	3.0	1.7	3.3	2.9	7.8	3.2	6.3	

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	3.9	1.2		5.6	-0.2	1.3	3.1	2.4	5.5	3.5	1.5	0.0	0.1	0.7	2.1	
0.9	0.2	2.3	1.2	1.7	1.3	-1.2	0.9	4.4	7.4	2.8	12.0				3.7	2.1
3.5	7.1	5.1		4.7	9.8	6.6	4.9	5.7	7.2	8.2	8.4	13.3	6.2	6.8	7.4	
13.4	12.1	12.9	13.1	17.7	14.7			12.1	13.7	18.6	15.7	18.0	16.2			
23.5	22.8	16.6	20.2	11.1			20.3	15.2	16.5	14.1	16.4	16.5	21.2	22.0		
27.8	28.0	20.8		24.5	22.8	25.7	27.4	25.7	27.3	29.8	21.5	20.4	25.4		25.1	
22.4	21.7	26.7	24.1	23.9	27.7	28.5	29.3	28.3	22.9	27.6	22.3	22.6	24.1	26.0	25.7	25.2
29.7	28.9	28.5	26.5	29.4	28.9	26.4	25.0	23.9	24.6	24.6	24.2	25.4	25.0	26.2	25.8	
20.5	19.2	18.3	20.6	18.2	18.3	17.3	18.8	16.4	18.3	17.3	16.7	17.3				
14.0	13.5	19.0		19.4	16.1	17.7	17.7	14.6	11.1	10.2	11.5	11.8	13.2	7.0	13.7	
7.2	7.4	9.1	11.7	9.2	13.7	11.2	7.1	13.4	20.5	11.8	9.9	19.1	10.6		12.7	11.2
9.1	4.6	8.7	5.1	9.2	4.9	6.8	5.2	5.3	2.7	4.9	5.5	4.0	5.5	3.7	5.2	5.3

Table 2. Daily Maximum Temperature (°C). (1997)

1	2	3	4	5	6	7	8	9	10	上旬 平均	11	12	13	14	15	16	17		
January																			
17.1	8.3	6.7	4.7	6.2	6.9	5.1	2.8	5.8	8.3	7.2	4.5	6.8	11.8	10.4	7.3	11.4	11.6		
February																			
2.8	4.7	2.3	4.9	7.5	5.9	5.3	10.5	12.0	11.9	6.8	3.8	2.3	4.6	9.1	8.7	7.7	4.9		
March																			
16.1	11.2	11.6	12.2	19.8	19.9	19.9	15.4	11.9	15.2	14.9	15.0	13.5	16.4	16.0	9.5	7.8	8.8		
April																			
18.1	15.7	15.0	11.7	12.3	13.3	10.7	16.9	19.2	16.9	15.0	17.4	20.3	23.3	23.4	13.5	15.4	19.9		
May																			
24.9	24.0	22.1	31.4	23.8	30.6	29.6	25.8	18.2	27.6	25.8	24.0	25.7	20.8	22.9	25.0	29.6	24.7		
June																			
28.8	26.0	26.9	20.4	27.1	19.1	27.6	25.1	25.8	24.4	25.1	22.5	29.1	28.0	28.7	23.5	23.8	29.1		
July																			
32.2	25.4	34.7	35.3	32.3	33.7	28.0	27.1	22.4	23.0	29.4	23.7	24.3	27.9	31.0	30.1	31.0	24.1		
August																			
32.7	32.8	33.4	32.2	24.9	29.2	26.8	35.1	34.4	36.3	31.8	35.8	28.1	24.1	27.9	27.6	28.3	33.8		
September																			
33.8	35.1	25.2	27.3	24.5	23.1	23.7	28.9	29.4	30.0	28.1	29.4	26.0	28.4	22.7	18.3	20.9	23.9		
October																			
24.4	19.1	25.4	24.1	21.8	22.3	22.9	19.4	23.2	25.2	22.8	20.2	19.6	21.5	22.5	20.2	21.1	24.5		
November																			
15.5	17.9	19.9	20.2	13.3	16.7	16.3	15.6	17.9	20.5	17.4	20.8	22.9	16.5	20.1	16.7	18.1	13.5		
December																			
12.7	7.5	5.6	11.7	14.9	15.6	19.6	17.3	9.8	5.0	11.9	8.7	7.0	7.4	13.7	13.8	13.0	10.5		

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
11.2	10.1	11.8	9.7	6.8	2.5	7.1	5.5	4.9	8.5	9.9	8.9	4.7	2.3	7.1	6.2	7.6
3.7	6.7	11.5	6.3	7.3	3.6	9.7	14.9	14.8	11.6	12.4	18.4				11.6	8.0
13.1	11.3	11.6	12.3	15.0	13.0	14.3	9.9	17.7	17.4	14.7	20.0	15.7	12.8	11.0	14.6	14.0
16.5	17.4	22.0	18.9	18.8	18.3	12.9	15.8	19.0	21.9	23.9	18.5	27.9	17.6		19.4	17.8
29.8	28.1	16.6	24.7	12.7	20.2	24.5	24.6	19.3	17.8	18.4	22.1	23.1	25.1	24.7	21.1	23.8
31.2	32.6	21.7	27.0	26.7	28.1	30.0	31.9	28.6	32.6	33.1	24.5	28.5	32.1		29.6	27.2
27.3	30.0	32.3	28.1	29.2	33.2	32.9	32.7	34.5	24.3	27.6	23.2	25.1	26.5	31.1	29.1	28.9
34.4	34.2	33.9	30.8	34.0	33.2	31.6	33.0	27.6	28.8	30.5	31.4	32.9	32.4	33.4	31.7	31.4
22.2	23.9	24.0	24.0	24.4	21.5	18.9	23.6	21.0	20.8	19.7	22.2	22.9				
23.6	25.4	27.7	22.6	29.7	25.2	25.8	25.5	18.5	16.7	14.3	15.9	17.2	15.4	11.0	19.5	21.6
9.5	12.0	18.4	16.8	16.8	19.1	14.0	17.7	19.8	22.8	16.3	13.7	22.6	13.5		17.6	17.3
14.6	17.1	15.1	12.1	11.6	7.1	7.4	8.8	13.5	14.0	14.2	8.6	11.8	9.3	8.2	10.4	11.4

Table 3. Daily Minimum Temperature (°C), (1997)

1	2	3	4	5	6	7	8	9	10	上旬 平均	11	12	13	14	15	16	17			
January																				
3.3	1.4	3.2	0.7	-1.8	0.7	0.3	0.3	0.5	-2.0	0.7	1.4	-0.5	-2.0	-1.6	-0.7	-2.1	0.3			
February																				
-0.4	-0.4	-0.3	0.5	-1.4	-0.9	-0.1	-1.5	-2.1	-1.4	-0.8	0.0	0.2	-1.2	-2.0	-1.7	2.1	0.5			
March																				
0.0	-1.0	2.4	-0.8	-0.4	0.7	4.1	0.1	1.6	-0.4	0.6	0.5	-1.2	2.8	9.3	6.7	5.7	-0.9			
April																				
-0.2	5.3	10.7	9.8	10.1	10.3	6.6	3.3	4.9	3.5	6.4	2.7	3.5	4.1	4.7	3.3	0.9	2.4			
May																				
7.4	10.6	14.1	15.7	16.6	15.9	17.5	10.4	7.7	6.5	12.2	12.7	11.3	13.8	17.8	17.6	17.0	11.2			
June																				
11.0	19.0	17.0	12.6	10.4	12.4	10.0	12.8	19.2	17.3	14.1	14.5	12.9	13.6	12.4	14.9	16.8	14.6			
July																				
16.6	22.1	22.1	21.3	24.0	24.3	21.5	20.1	19.7	20.5	21.2	21.4	21.6	21.6	20.1	21.2	21.0	18.4			
August																				
22.5	22.3	20.7	19.8	21.7	22.4	22.6	23.2	26.1	27.2	22.8	24.2	23.5	21.3	21.2	21.3	20.9	20.8			
September																				
21.5	22.2	20.5	17.7	16.9	20.2	22.1	21.1	19.4	15.7	19.7	17.8	19.5	19.9	18.2	16.7	17.8	20.0			
October																				
8.7	11.6	10.0	14.7	15.5	11.7	10.5	9.6	6.9	9.8	10.9	9.5	6.9	5.4	7.7	9.9	8.9	8.0			
November																				
4.5	5.1	2.7	4.7	6.7	5.8	5.9	2.5	2.2	2.8	4.3	6.1	7.6	13.6	12.1	13.8	12.4	8.0			
December																				
4.4	-0.1	0.4	-0.9	-1.1	-0.2	13.1	9.1	4.9	0.2	3.0	-0.7	0.4	2.1	1.2	3.6	1.9	3.4			

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
1.9	-0.1	-1.2	-0.5	-5.5	-5.1	-0.2	2.3	1.2	1.2	1.1	-0.8	-1.0	-1.1	0.1	-0.7	-0.2
-0.4	-1.7	-1.7	-0.6	-0.9	-0.8	-3.6	-3.4	-0.6	4.8	-0.9	-0.4				-0.8	-0.7
-2.2	1.3	0.2	2.2	-0.7	4.4	1.2	-1.1	-2.3	1.5	3.6	1.0	6.6	0.5	0.0	1.3	1.4
6.2	4.7	2.2	3.4	8.4	11.7	8.1	4.1	1.6	3.6	5.5	11.0	8.6	11.5		7.4	5.7
9.9	12.7	11.6	13.5	10.2	9.2	8.2	10.7	10.5	11.8	11.2	8.9	12.5	16.0	13.8	11.2	12.3
15.9	18.3	19.4	15.3	18.5	17.7	19.9	17.8	19.6	24.4	23.5	16.8	16.6	14.9		18.9	16.1
15.6	12.3	16.8	19.0	19.7	19.3	20.7	20.7	19.9	21.7	22.1	21.7	22.1	21.2	19.0	20.7	20.3
24.2	24.0	22.2	22.3	22.7	22.2	20.7	18.4	20.5	19.5	18.1	17.3	17.8	18.8	20.3	19.6	21.5
19.5	17.1	16.3	18.3	15.1	16.1	15.6	13.0	11.9	15.7	14.5	12.0	10.8				
10.3	8.3	14.2	8.9	12.6	10.5	13.6	12.9	8.6	7.6	7.1	6.6	6.1	6.0	3.2	8.6	9.4
3.6	3.0	2.5	8.2	5.0	11.3	6.4	4.0	5.2	12.8	8.3	8.4	10.4	7.6		7.9	6.8
5.1	2.8	6.0	2.6	5.6	4.4	4.2	3.8	0.8	0.0	2.4	2.1	1.1	4.2	0.6	2.6	2.7

Table 4. Daily Amount of Precipitation (mm). (1997)

1	2	3	4	5	6	7	8	9	10	上旬計	11	12	13	14	15	16	17			
January																				
0.5	0.0	0.0	0.0	2.0	1.5	15.5	8.0	4.0	7.0	38.5	4.5	0.0	0.0	3.0	0.5	0.0	1.0			
February																				
9.5	5.0	10.5	5.0	2.0	6.5	3.5	0.0	0.0	0.0	42.0	7.0	10.0	15.5	10.5	10.5	2.0	5.5			
March																				
14.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	1.0	15.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
April																				
May																				
June																				
July																				
															24.0	5.5	82.0			
August																				
0.0	0.0	45.0	8.5	50.5	1.0	2.0	0.0	1.0	0.0	108.0	2.0	3.0	47.5	1.5	1.0	0.0	0.0			
September																				
0.0	0.0	35.5	2.0	0.5	23.5	57.5	2.5	0.0	0.0		0.0	1.0	0.0	19.0	23.0	42.5	22.0			
October																				
0.0	1.5	0.0	1.5	21.5	0.0	0.0	1.0	0.0	0.0	25.5	13.5	2.0	0.0	9.0	0.0	0.0	0.0			
November																				
3.5	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	18.5	0.0	1.5	14.5	7.5	2.5	0.5	15.0			
December																				
20.0	0.5	10.0	1.0	0.0	1.0	14.0	10.0	0.5	0.0	57.0	2.5	1.5	6.0	0.0	0.0	0.0	2.0			

18	19	20	中旬計	21	22	23	24	25	26	27	28	29	30	31	下旬計	月計
0.0	0.0	0.0	9.0	1.5	3.5	7.5	0.5	2.0	0.0	0.0	2.0	1.0	5.5	19.5	43.0	90.5
10.5	8.5	2.0	82.0	12.5	2.5	0.5	0.0	2.5	6.5	0.0	0.0				24.5	148.5
0.5	0.0	0.0	0.5	2.0	0.0	6.5	0.0	0.0	3.5	4.0	0.0	0.5	1.0	0.0	17.5	33.5
0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	84.5	6.0	56.5	27.5	3.5	0.0	178.0	
0.0	0.0	0.0	55.0	0.0	0.0	0.0	2.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	6.5	169.5
14.0	11.0	4.5		0.0	0.0	58.0	19.0	34.0	10.0	17.0	0.5	0.0				
0.0	0.0	0.0	24.5	0.0	0.0	0.0	0.0	0.0	0.5	21.0	0.5	0.0	1.0	11.0	34.0	84.0
13.0	2.5	0.0	57.0	1.0	32.0	0.5	0.0	0.5	20.0	0.5	0.0	10.5	14.5		79.5	155.0
8.0	0.0	0.0	20.0	0.5	0.0	1.5	10.5	0.0	0.0	0.0	2.0	1.0	22.5	13.0	51.0	128.0

Table 5. Wind Direction at 9 AM.(1997)

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

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

Table 6. Wind Speed at 9 AM. (1997)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
January															
1.7	1.4	2.6	0.2	0.3	5.7	0.0	1.0	0.3				0.0	2.4	0.8	0.8
February															
0.0	0.2	0.0	0.5	0.2	0.1	0.4	0.0	0.2	0.3	0.0	0.0	0.1	0.0	0.0	0.1
March															
0.1	1.1	0.0	0.4	0.2	0.9	0.2	1.5	0.8	0.0	0.1		0.4	0.0	1.3	1.2
April															
0.8	0.0	0.0	0.9	0.5	0.0	0.2	1.0	1.2		3.5	0.2	0.0	0.0	0.8	1.0
May															
0.9	1.4	0.3	0.9			0.3	2.6	0.2	2.4	1.7	0.9	2.7	0.8	1.2	0.6
June															
0.4	0.6	0.7	0.0	0.9	0.1	1.3	0.7	2.1	0.7	0.0	0.0	0.6			
July															
1.7	2.3	1.6	4.1	4.5	1.9	1.6	0.1	0.1	0.0	0.1	1.7	0.1	1.1	2.0	1.0
August															
0.6	0.6	1.7	2.4				1.8	2.7	3.1	2.0	0.7	0.8	0.3	0.8	0.3
September															
0.3	0.7	0.9	0.2	0.2	0.3	2.0	0.0	0.8	0.7	0.4	0.5	1.6	1.7	2.9	0.0
October															
0.2	0.5	0.3	0.0	0.0	0.2	0.3	0.2							0.8	0.2
November															
0.9	0.2	0.4	0.4	0.6	0.6	0.1	0.2	0.2	0.8	0.0	0.2	0.8	1.1	0.1	0.4
December															
2.6	6.6	0.1	0.0	0.2	2.1	1.4	0.4	0.9	2.0	0.7	0.0	1.7	1.2	0.2	0.0

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
0.3	0.0	0.2	1.3	2.3	2.9	0.0	0.4	3.8	0.8	0.0	0.0	0.0	1.6	0.0
0.5	0.0	0.0	0.2	1.2	1.7	0.0	0.0	1.0	1.6	0.4	1.8			
0.4	0.2	0.0	0.3	0.1	1.2	0.0	2.4	0.2	0.0	0.0	0.2	0.8	1.8	0.2
0.0	0.0	0.9	0.0	2.2	0.0			0.0	0.3	0.6	0.0	0.9	0.2	
0.5	3.7	1.8	1.0	1.3			2.1	3.4	0.8	0.8	1.1	1.1	0.8	1.2
0.7	0.3	1.6	0.6	0.6	0.0	0.9	0.2	0.2	1.6	1.1	0.5	0.6	0.1	
1.0	0.7	0.2	0.4	1.9	0.0	0.2	1.2	0.4	0.1	2.6	0.0	0.5	0.2	0.7
0.7	1.5	2.9	0.4	0.4	0.2	0.5	0.4	0.7	1.4	0.8	0.2	0.7	0.1	1.7
0.3	1.3	0.8	0.0	0.0	0.1	0.8	1.2	0.5	0.3	6.1	0.6	0.7		
0.3	0.0	0.1	2.4	2.7	0.3	1.0	0.1	0.8	2.3	0.9	1.4	0.4	2.3	0.7
0.0	2.3	1.3	0.5	0.2	0.1	0.4	0.3	1.4	2.6	0.4	0.2	5.2	0.2	
0.9	0.6	1.1	0.7	2.0	0.1	0.5	0.1	0.2	0.6	0.8	0.0	0.0	0.1	0.6

Table 7. Daily Weather (1997)

: ○ Clear days, ⊕ Fine days, ⊙ Cloudy 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																			
⊕	⊕	⊙	○	○	⊙	⊙	⊙	⊙	⊙	○	⊕	●	⊕	⊙	⊕	⊙	⊙	○	

☁ Slightly cloudy days, ● Rainy days, * Snowy days, △ Hail

20	21	22	23	24	25	26	27	28	29	30	31	○	☁	☉	☂	●	*	△
☁	☉	☉	☉	☉	☉	☉	☁	☁	☉	*	☉	1	7	18	0	2	3	0
☁	*	☉	☁	○	☉	●	☉	○				3	4	13	0	1	7	0
☉	☉	☁	☉	☁	☁	☉	●	☁	●	☁		0	11	18	0	2	0	0
☁	☉	☉	☉	☉	☁	☁	☁	●	☁	☉		0	15	10	0	5	0	0
☉	☉	☉	☁	☁	☉	☉	☉	☁	☁	☂	☁	1	11	8	5	6	0	0
●	☁	☉	☁	☁	☉	☁	☉	☉	☁	○		7	9	11	0	3	0	0
☂	☉	○	☁	○	○	☉	●	●	●	☉	☁	3	9	8	1	10	0	0
○	☁	☉	☁	☁	☉	☁	○	○	☁	☁	☁	5	16	6	0	4	0	0
☉	☉	☉	●	☁	☉	☉	☉	☉	☁	☉		2	5	14	0	9	0	0
○	○	○	☁	○	☁	☉	☉	☁	☉	☉	●	9	10	10	0	2	0	0
☉	☉	●	●	☁	☉	☉	☉	☉	☉	☉		2	9	12	1	6	0	0
☉	☉	☉	☉	●	☁	☁	☉	☁	☉	☉	●	4	8	16	0	3	0	0
計												37	114	144	7	53	10	0

Table 8. Daily Humidity (%) at 9 AM (1997)

1	2	3	4	5	6	7	8	9	10	上旬 平均	11	12	13	14	15	16	17		
January																			
81.2	77.7	43.2	87.9	88.8	47.7	87.7	87.9	86.1					87.7	43.9	88.0	87.8	88.6		
February																			
89.3	87.5	89.0	47.2	81.8	86.0	79.5	87.8	88.1	88.7	82.5	87.1	88.0	89.1	88.8	87.9	88.5	82.4		
March																			
86.5	78.8	65.1	86.5	72.3	78.3	67.2	66.3	72.1	63.9	73.7	72.3		68.5	75.9	86.8	87.5	62.3		
April																			
54.0	86.8	87.1	86.6	86.8	86.5	85.9	76.0	39.2			41.1	61.3	40.4	47.5	64.1	60.7	41.1		
May																			
70.3	51.6	77.4	77.0			63.6	56.9	71.5	36.0		45.9	56.3	68.6	87.0	85.0	74.6	40.5		
June																			
52.9	83.4	52.0	86.9	70.2	87.4	58.3	50.4	56.6	77.4	67.6	66.5	43.5					47.2		
July																			
41.1	85.2	59.7	39.3	44.0	50.1	62.1	85.0	86.3	86.4	63.9	86.4	85.4	84.9	65.7	56.7	69.7	84.7		
August																			
60.1	58.3	79.3	56.9				53.8	53.1	52.5		50.1	80.5	86.9	85.7	84.4	80.4	53.6		
September																			
67.2	60.4	87.6	84.2	72.0	86.6	85.7	86.7	70.9	78.5	78.0	74.3	76.4	71.9	85.9	83.1	87.4	86.5		
October																			
79.5	86.6	83.8	83.9	86.0	83.3	77.4	83.9								66.9	83.3	65.7		
November																			
89.2	73.0	83.8	84.6	86.1	87.5	81.1	88.1	88.9	83.8	84.6	88.3	84.3	87.2	87.6	87.5	86.8	86.6		
December																			
80.2	58.0	86.5	89.5	89.4	76.3	68.1	87.8	51.0	51.5	73.8	54.3	85.5	87.6	89.5	73.8	88.8	76.3		

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
82.6	73.6	87.5		48.1	56.7	84.4	88.0	62.5	49.1	77.3	85.3	87.8	88.6	89.6	74.3	
88.4	81.3	80.8	86.2	86.9	47.0	80.7	87.1	74.2	87.5	89.1	39.8				74.0	80.9
67.6	78.3	79.8		81.7	66.4	73.8	41.4	53.3	67.4	87.2	80.7	58.8	77.7	66.5	68.6	
61.9	60.6	42.3	52.1	49.9	85.4			46.9	43.2	28.0	86.3	83.0	86.0			
18.0	44.4	67.9	58.8	86.0			51.0	58.8	59.1	71.0	56.5	81.6	57.1	55.0		
39.9	46.2	85.5		50.4	72.4	52.8	45.9	63.3	54.3	53.9	86.7	79.4	51.5		61.1	
62.5	46.7	50.6	69.3	70.8	55.6	56.5	51.1	46.4	86.2	60.1	84.9	85.8	80.9	65.6	67.6	66.9
52.7	57.7	60.0	69.2	63.4	59.0	55.0	62.9	66.1	59.1	61.3	67.6	73.0	62.4	69.0	63.5	
85.5	79.3	82.3	81.3	76.2	81.7	87.5	69.0	70.6	87.5	61.8	84.4	76.7				
86.9	75.3	58.0		59.6	78.3	79.0	81.6	78.9	83.1	86.8	80.9	72.9	57.4	87.7	76.9	
53.2	85.0	81.3	82.8	88.3	87.4	64.4	88.8	50.0	67.5	85.5	75.2	59.3	86.3		75.3	80.9
89.0	88.9	85.3	81.9	66.3	74.0	58.9	89.3	88.8	88.8	89.3	89.6	89.3	88.0	87.4	82.7	79.5

Table 9. Daily Duration of Sunshine (hours). (1997)

1	2	3	4	5	6	7	8	9	10	上旬計	11	12	13	14	15	16	17	
January																		
5.7	1.1	1.3	0.0	0.0	4.8	1.5	0.1	2.7	3.9	21.1	0.1	0.4	8.3	0.3	1.6	3.4	4.6	
February																		
0.8	0.0	0.0	1.3	2.6	0.7	0.0	8.0	8.3	5.9	27.6	2.7	0.8	4.8	8.2	3.2	1.2	1.9	
March																		
0.0	5.5	6.4	10.1	8.3	8.3	8.9	8.3	3.1	0.5	59.4	5.4	9.3	2.5	1.0	0.0	0.0	7.6	
April																		
10.8	0.0	0.0	0.0	0.0	0.3	0.0	7.9	5.8	10.9	35.7	9.1	10.9	10.4	11.0	3.8	10.0	7.8	
May																		
11.5	6.0	3.3	11.5	4.2	11.1	7.7	0.4	8.8	10.8	75.3	9.6	11.6	1.0	1.9	4.3	8.3	10.7	
June																		
11.7	5.0	8.5	1.5	10.6	2.6	12.2	8.1	4.7	5.7	70.6	2.0	12.0	12.1	11.8	1.2	6.9	11.8	
July																		
8.7	0.0	8.5	11.9	8.3	6.4	0.6	5.2	1.0	0.0	50.6	0.2	0.0	6.6	9.0	4.6	4.7	0.0	
August																		
6.9	10.6	6.7	7.7	0.0	5.1	0.4	11.0	9.8	10.0	68.2	10.2	0.4	0.1	6.9	4.0	6.3	11.5	
September																		
9.2	10.3	0.2	7.1	3.6	0.1	0.0	5.3	7.0	9.4	52.2	9.2	2.9	5.7	0.0	0.3	0.0	1.8	
October																		
10.6	0.1	10.2	3.3	2.9	8.4	5.8	3.3	9.4	10.2	64.2	4.3	9.1	8.8	2.9	7.5	9.1	9.9	
November																		
4.1	8.0	9.3	8.6	0.1	4.8	5.7	4.3	8.5	8.8	62.2	7.0	6.0	0.0	1.5	0.0	3.7	0.0	
December																		
1.7	2.7	1.4	6.8	8.0	1.8	0.0	2.5	1.4	2.6	28.9	5.4	2.8	0.2	6.9	2.2	6.3	0.0	

18	19	20	中旬計	21	22	23	24	25	26	27	28	29	30	31	下旬計	月計
5.9	4.8	5.3	34.8	2.0	0.8	3.3	0.0	0.2	1.0	1.6	3.8	3.3	1.0	4.9	21.9	77.8
2.4	6.7	8.4	40.3	0.0	5.0	9.2	9.9	0.2	0.0	9.8	9.5				43.6	111.5
10.9	2.7	6.6	46.0	4.2	7.0	6.9	8.8	10.8	6.1	5.6	10.1	0.0	3.2	4.5	67.2	172.6
2.6	10.8	11.3	87.7	0.2	2.1	6.5	10.5	9.3	11.6	11.5	2.1	11.1	0.8		65.7	189.1
11.7	6.9	4.6	70.6	0.8	6.8	10.0	6.4	4.4	6.4	6.8	12.1	3.6	6.6	10.4	74.3	220.2
12.1	9.5	0.1	79.5	10.4	6.5	10.0	12.1	3.6	8.6	8.0	0.0	9.2	10.8		79.2	229.3
10.7	12.1	10.9	58.8	7.8	12.0	11.6	11.1	11.7	0.1	3.4	0.0	1.0	4.3	9.1	72.1	181.5
11.1	8.5	11.3	70.3	9.2	8.0	10.7	10.8	7.2	9.8	11.3	11.2	8.6	11.0	7.8	105.6	244.1
3.6	6.1	5.3	34.9	4.5	1.9	0.0	0.9	2.4	0.7	1.2	7.9	9.7				
7.4	9.9	9.3	78.2	9.5	8.8	7.5	7.7	7.4	7.6	1.7	4.6	2.7	3.1	1.0	61.6	204.0
0.5	3.7	6.9	29.3	1.9	1.0	3.4	8.3	0.0	0.0	3.8	0.3	2.7	0.7		22.1	113.6
4.9	5.6	0.0	34.3	0.0	0.0	0.0	1.2	7.2	3.7	3.8	0.0	4.9	0.0	0.4	21.2	84.4

Table 10. Daily Atmospheric Pressure 9 AM (mb). (1997)

1	2	3	4	5	6	7	8	9	10	上旬 平均	11	12	13	14	15	16	17		
January																			
1007.4	1001.5	1008.4	1013.9	1011.8	1007.6	1014.2	1014.1	1016.1					1015.6	1011.0	1014.3	1011.7	1012.7		
February																			
1011.6	1014.2	1008.7	1014.1	1014.3	1007.8	1014.1	1010.2	1008.1	1006.5	1011.0	1000.7	1009.4	1014.5	1016.2	1013.7	1001.7	1009.3		
March																			
1006.4	1012.3	1013.3	1014.2	1014.1	1012.9	1008.0	1013.0	1013.0	1013.8	1012.1	1011.8		1012.3	1007.3	1008.2	1011.6	1017.2		
April																			
1015.7	1011.0	1006.4	1009.5	1004.3	1004.2	1002.6	1004.3	1000.4			1002.9	1003.9	1004.3	1006.8	1007.0	1010.1	1009.9		
May																			
1006.1	1004.7	1002.7	1000.5			1007.3	995.2	1004.4	1006.6		1007.0	1008.7	1007.0	999.7	996.8	996.0	998.4		
June																			
1002.8	1003.1	1003.9	1000.7	1001.4	999.3	1004.6	1001.4	990.9	994.2	1000.2	997.8	1006.5					1005.4		
July																			
1002.4	1000.3	1002.5	1001.7	997.6	998.0	995.4	1001.4	1001.0	1001.4	1000.2	1001.0	998.5	1000.3	1002.0	999.8	997.8	997.6		
August																			
1002.0	1003.8	1003.3	1000.6				998.7	994.6	997.4		1001.0	1001.6	1003.7	1004.2	1004.5	1004.1	1001.0		
September																			
999.4	997.4	992.1	999.1	1004.8	1005.4	1004.2	1004.8	1003.6	1004.9	1001.6	1003.8	1005.9	1008.2	1006.9	1007.6	1002.5	1000.1		
October																			
1014.2	1012.2	1012.2	1006.9	1004.2	1009.0	1007.2	1007.7								1008.9	1011.5	1008.5		
November																			
1017.4	1019.0	1015.6	1011.5	1010.2	1013.4	1016.7	1016.1	1019.0	1019.8	1015.9	1018.4	1012.0	1007.1	1006.0	1005.9	1008.8	998.8		
December																			
1012.9	1009.6	1018.0	1022.4	1022.5	1020.0	1006.5	1005.7	1009.5	1010.7	1013.7	1010.9	1012.6	1014.4	1014.6	1010.9	1014.9	1008.8		

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
1007.8	1010.4	1009.7		999.4	1008.5	1010.4	1003.6	1003.0	1006.8	1005.2	1001.4	1004.4	1009.4	1010.6	1005.7	
1007.5	1011.9	1011.6	1009.7	1008.9	1018.7	1021.0	1018.4	1013.4	1014.1	1020.0	1012.7				1001.6	1007.4
1016.1	1009.6	1010.8		1008.7	1005.3	1006.3	1015.7	1013.5	1014.2	1011.2	1012.1	1005.3	1008.4	1013.5	1010.4	
1010.5	1013.8	1013.9	1008.3	1010.7	1008.2			1011.1	1013.2	1011.0	1002.0	1001.7	1001.6			
999.1	995.4	993.1	1000.1	1000.5			998.9	997.3	1000.8	1005.8	1007.5	1004.6	999.4	998.3		
1005.5	1003.9	995.6		1000.9	1001.8	999.6	1001.1	1002.3	1001.8	1001.0	988.8	999.5	1002.2		999.9	
1003.9	1005.3	1004.6	1001.1	1005.0	1005.3	1004.4	1003.6	1001.2	994.0	986.6	993.5	998.5	1000.1	1001.2	999.4	1000.2
1003.3	1007.0	1007.3	1003.8	1004.0	1000.1	999.8	999.6	1001.8	1004.3	1004.9	1004.0	1004.6	1006.0	1002.0	1002.8	
1003.9	1000.6	1005.9	1004.5	1007.0	1009.2	1010.9	1011.8	1010.0	1000.4	997.2	1005.3	1008.1				
1006.5	1009.2	1006.0		1004.5	1005.3	1005.7	1006.6	1007.6	1006.5	1008.0	1014.5	1012.1	1010.9	1010.4	1008.4	
1005.5	1019.0	1019.1	1010.1	1015.2	999.5	1007.5	1014.1	1014.2	998.6	1012.6	1018.9	1002.6	1011.3		1009.5	1011.8
1005.5	1011.1	1011.0	1011.5	1014.5	1019.5	1015.1	1014.3	1016.6	1016.4	1013.7	1014.3	1016.2	1006.3	1011.1	1014.4	1013.2