

## 三朝温泉地の気候について (第7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ているが、今回は第7報として、1981年1月1日から1983年12月31日までの3カ年の気象観測の資料を報告することとした。

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### ON CLIMATOLOGY IN MISASA SPA (SEVENTH REPORT)

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*Abstract:* Climatological data of the last three years (1981-1983) obtained at the observatory in the Misasa Branch Hospital of Okayama University Hospital at Misasa Spa, Tottori-ken, are presented.

Table 1. Daily Atmospheric Temperature (°C) at 9 A. M.

Date	1	2	3	4	5	6	7	8	9	10	上旬平均	11	12	13	14	15
Year																
January																
1981	-0.8	2.7	0.7	-0.8	0.7	-0.8	2.2	1.7	1.1	3.1	1.0	0.8	0.5	-0.9	-0.3	0.9
82	6.9	5.3	2.8	12.4	6.4	3.8	2.4	1.9	6.8	3.5	5.2	2.6	9.7	3.8	3.9	0.4
83	2.7	2.3	1.1	2.5	7.2	8.3	2.4	11.3	2.4	0.8	4.1	0.5	2.9	1.4	1.5	2.4
February																
1981	2.3	1.9	3.9	0.5	1.3	0.7	2.6	2.8	3.0	2.8	2.2	2.1	3.0	6.1	5.3	3.7
82	1.1	0.7	1.7	2.6	1.5	3.9	2.7	-0.1	0.5	1.4	1.6	2.8	3.7	1.6	0.9	1.3
83	3.8	7.7	3.0	2.4	3.6	3.1	2.6	2.2	1.4	0.5	3.0	0.7	1.3	-0.3	0.1	6.7
March																
1981	2.6	3.5	3.0	4.3	4.4	4.3	6.8	4.9	5.7	1.9	4.1	2.3	7.9	10.0	15.3	6.2
82	4.8	1.4	3.5	8.2	14.5	7.3	2.3	4.2	3.3	7.6	5.7	9.9	8.9	10.3	12.7	14.7
83	4.6	14.0	8.2	5.1	2.5	2.7	2.0	1.9	1.4	5.1	4.8	5.5	5.5	3.8	3.4	4.4
April																
1981	7.6	8.1	8.3	9.2	13.6	12.2	11.6	12.4	18.3	15.8	11.7	15.7	13.5	11.4	13.7	15.5
82	11.4	17.3	10.6	6.8	7.4	14.8	12.4	14.1	7.8	8.8	11.1	10.3	11.8	16.3	12.5	12.5
83	9.8	12.3	10.5	12.8	14.3	15.0	17.8	14.6	11.9	16.6	13.6	14.5	12.4	12.5	18.4	21.9
May																
1981	21.2	17.4	14.2	15.3	16.8	14.7	14.3	20.8	17.4	19.5	17.2	26.4	15.7	18.3	18.9	20.0
82	17.5	14.6	15.2	17.7	16.2	19.5	18.5	20.3	19.5	20.8	18.0	24.7	24.5	26.3	13.2	18.8
83	16.2	16.4	20.2	20.5	18.4	22.3	15.5	17.4	18.8	20.1	18.6	23.0	22.7	21.5	16.3	17.4
June																
1981	14.4	16.9	20.3	22.6	19.8	20.6	24.6	25.7	27.0	22.5	21.4	22.0	19.8	21.8	20.5	20.0
82	22.1	16.3	15.9	22.5	20.9	21.2	23.3	24.7	21.7	24.0	21.3	25.5	25.7	19.2	18.4	21.0
83	25.9	22.4	24.3	20.5	22.6	23.0	21.3	21.9	25.8	22.4	23.0	20.5	19.4	18.7	24.3	23.5
July																
1981	24.5	23.7	23.8	21.5	25.7	29.4	26.5	29.3	29.1	26.1	26.0	29.5	27.7	28.5	28.0	30.3
82	21.3	23.0	25.4	26.4	27.8	25.6	22.5	22.9	25.5	25.3	24.6	29.9	28.4	22.6	22.3	24.3
83	27.0	23.0	29.5	29.3	22.0	23.8	24.3	20.5	20.5	20.3	24.0	21.9	24.7	23.4	26.8	23.4
August																
1981	31.2	30.1	31.4	26.0	25.1	21.6	21.0	23.7	27.5	30.4	26.8	28.3	25.8	26.4	24.8	26.6
82	22.8	20.3	26.4	27.4	26.6	27.3	28.8	28.3	24.4	25.6	25.8	27.8	28.3	29.6	26.8	28.8
83	30.2	24.1	31.3	30.4	30.2	31.2	30.6	29.8	29.7	29.3	29.7	28.7	25.3	28.8	29.6	28.5
September																
1981	30.5	29.2	28.0	22.8	22.3	21.6	21.8	21.4	24.3	20.4	24.2	21.0	20.8	20.1	20.3	22.4
82	24.4	25.6	20.3	22.1	21.9	20.3	21.9	22.4	19.8	19.0	21.8	17.1	18.7	20.4	17.7	21.3
83	25.0	27.4	27.7	26.9	27.4	28.3	25.3	23.1	22.4	23.4	25.7	23.5	24.7	21.9	20.9	22.4
October																
1981	19.2	20.8	19.7	18.4	20.7	18.4	20.8	17.5	16.5	15.1	18.8	18.1	17.3	19.9	17.7	13.9
82	17.5	19.7	20.4	16.4	16.5	16.1	14.3	14.7	19.7	12.6	16.8	13.9	14.2	13.8	15.9	19.7
83	19.3	18.4	20.6	21.7	19.0	15.7	14.1	14.0	15.5	19.1	17.7	20.3	14.0	15.7	17.8	14.0
November																
1981	11.3	10.5	12.4	11.9	9.7	10.4	10.9	5.3	6.8	7.6	9.7	9.7	6.9	12.0	10.1	12.9
82	16.0	11.0	8.5	9.5	13.8	13.0	13.6	13.0	13.4	16.7	12.9	13.5	11.4	11.2	12.5	13.2
83	10.2	9.1	9.7	13.2	14.0	12.9	12.5	9.3	7.4	10.3	10.9	13.3	10.9	8.4	8.9	8.3
December																
1981	7.9	2.7	2.6	2.7	10.3	4.0	5.3	5.0	5.2	6.7	5.2	11.5	7.0	6.4	1.9	1.8
82	9.5	7.3	8.8	4.3	5.8	4.9	1.6	4.9	5.7	6.7	6.0	17.1	7.4	3.2	2.4	3.5
83	5.7	4.9	11.3	4.4	5.7	4.9	3.0	6.0	4.8	3.9	5.5	4.5	2.9	4.3	11.6	4.0

16	17	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
0.8	-0.2	1.7	2.5	0.7	0.7	-0.8	0.9	0.5	2.8	1.8	1.0	-0.4	1.2	1.3	1.2	-0.3	0.8	0.8
2.1	1.4	4.1	-0.8	1.3	2.9	1.3	4.3	4.4	6.4	2.8	1.5	3.0	1.0	-1.4	-0.7	0.3	2.1	3.3
1.3	1.0	3.7	3.3	0.0	1.8	-0.4	-0.7	-1.2	3.0	0.5	2.2	1.6	4.7	1.5	4.1	3.3	1.7	2.5
7.2	2.0	0.6	5.3	3.2	3.9	3.8	2.8	4.7	4.8	-0.5	-6.0	-3.2	-2.7				0.1	2.3
3.0	2.6	2.6	9.8	5.9	3.4	3.9	3.5	4.4	4.0	5.9	3.5	5.8	7.4				4.8	3.2
0.8	2.4	3.1	1.6	1.4	1.8	3.5	3.2	1.4	3.8	3.3	2.2	1.5	1.7				2.6	2.5
5.8	6.8	7.7	11.4	13.5	8.7	7.4	8.9	8.3	7.3	18.6	12.9	5.8	7.1	8.4	9.3	6.2	9.1	7.4
11.7	9.7	9.8	9.5	7.6	10.5	6.5	11.3	17.2	6.5	5.5	3.2	7.4	9.2	9.7	16.1	9.7	9.3	8.5
8.7	7.9	1.3	3.3	10.5	5.4	5.5	12.7	13.1	9.2	7.3	5.9	9.6	10.3	6.3	8.3	10.0	8.9	6.5
12.7	12.5	14.6	8.3	7.9	12.6	11.7	17.9	19.0	22.3	13.8	20.6	21.9	19.2	17.9	18.7		18.3	14.2
13.2	10.5	12.1	13.9	15.9	12.9	11.6	12.2	14.5	19.3	19.5	20.7	20.5	21.8	17.2	19.8		17.7	10.2
13.2	15.7	16.4	19.0	15.3	15.9	14.7	19.3	16.4	19.3	21.1	24.5	26.3	21.3	18.4	18.5		20.0	16.5
17.8	13.2	14.5	10.7	16.2	17.2	19.8	22.5	25.8	14.6	19.4	25.7	25.9	23.3	16.8	14.9	17.3	20.5	18.4
21.8	22.8	21.4	19.0	17.8	21.0	13.8	14.8	21.5	23.0	24.5	23.8	25.4	26.0	23.3	17.7	23.1	21.5	20.2
16.1	15.3	16.8	20.8	23.8	19.4	23.5	24.7	18.2	17.3	16.5	15.5	22.4	20.8	22.3	24.5	26.6	21.1	20.4
24.3	28.8	22.4	23.0	20.3	22.3	23.2	25.6	19.3	21.3	18.8	21.8	27.3	21.8	22.2	21.8		22.3	22.0
22.1	24.0	23.8	24.9	23.8	22.8	23.4	23.5	21.7	19.5	20.9	21.0	18.4	19.8	19.3	19.7		20.7	21.6
20.5	17.7	21.6	19.4	17.2	20.3	18.4	20.1	22.5	20.8	20.4	23.2	25.8	21.4	25.3	23.2		22.1	21.8
30.4	31.6	32.0	32.5	32.8	30.3	31.7	29.8	27.3	27.8	28.8	28.9	29.1	31.5	31.5	29.8	32.4	29.9	28.8
22.8	23.3	22.8	20.9	24.5	24.2	24.4	23.8	25.3	21.8	23.5	26.6	30.0	27.0	26.5	24.4	25.4	25.3	24.7
22.4	21.6	25.2	25.8	22.6	23.8	22.7	24.1	23.4	24.2	30.3	30.4	31.8	29.0	29.0	30.3	31.4	27.9	25.3
25.7	28.3	29.5	28.0	28.7	27.2	32.0	23.7	24.7	25.1	23.5	28.7	22.0	24.7	25.2	26.7	30.0	26.0	26.7
25.0	23.6	23.5	23.0	23.0	25.9	28.3	25.8	25.2	26.0	25.2	26.3	27.2	28.8	25.6	24.0	24.8	26.1	26.0
27.7	26.5	25.3	24.0	22.0	26.6	22.4	23.5	23.7	23.6	23.7	25.5	29.9	28.7	30.7	27.3	26.4	26.0	27.4
21.3	20.3	21.3	17.7	22.0	20.7	21.3	21.0	22.7	24.5	22.3	18.2	19.7	18.4	15.3	18.7		20.2	21.7
20.5	18.3	18.4	18.8	20.1	19.1	20.4	16.4	17.9	18.4	23.5	22.7	18.3	16.9	15.5	16.5		18.7	19.9
22.8	22.5	22.5	24.3	22.0	22.8	25.1	21.3	23.2	22.3	19.5	20.2	17.1	18.0	19.3	17.4		20.3	22.9
12.8	17.8	19.7	18.3	14.5	17.0	17.0	22.5	10.4	12.4	9.6	9.3	10.4	7.1	13.9	14.8	10.9	12.6	16.0
16.8	15.5	14.4	20.7	17.0	16.2	13.3	13.3	13.6	12.7	7.5	9.4	8.9	11.4	13.4	15.2	15.3	12.2	15.0
16.3	15.7	16.4	11.9	11.2	15.3	14.5	14.4	10.2	9.5	9.7	10.2	14.3	11.8	9.9	10.3	9.7	11.3	14.7
11.7	7.4	8.3	8.5	13.2	10.1	9.7	7.3	8.9	9.4	6.8	8.8	9.9	6.9	4.2	8.3		8.0	9.3
14.0	13.9	9.4	10.6	12.3	12.2	10.1	11.5	11.3	10.6	7.9	6.8	8.3	7.7	17.0	14.0		10.5	11.9
14.4	10.3	7.3	8.1	8.3	9.8	7.5	11.4	10.3	9.0	7.4	6.4	3.4	2.7	1.7	13.7		7.4	9.3
2.3	2.8	0.9	5.3	5.4	4.5	4.1	10.4	11.6	2.8	2.5	5.7	5.3	5.7	5.8	6.1	5.6	6.0	5.3
5.3	6.5	1.4	5.4	4.3	5.7	2.8	6.9	5.7	2.7	3.1	5.1	4.4	2.9	3.2	3.1	1.8	3.8	5.1
2.6	2.1	2.6	2.2	2.9	4.0	2.1	4.3	1.0	1.4	0.8	0.5	1.0	0.3	0.5	-0.2	1.8	1.2	3.5

Table 2. Daily Maximum Temperature (°C)

Date	1	2	3	4	5	6	7	8	9	10	上旬 平均	11	12	13	14	15
Year																
January																
1981	7.8	3.9	1.4	1.9	2.9	2.8	3.9	8.3	8.5	3.8	4.5	2.4	1.8	0.3	2.5	3.1
82	8.3	6.5	13.5	13.8	6.4	11.7	2.5	7.1	9.7	10.8	9.0	13.9	10.4	4.8	6.7	5.4
83	7.8	7.8	3.9	10.8	10.6	8.8	14.4	11.8	5.5	0.9	8.2	4.5	6.7	5.6	6.9	6.2
February																
1981	5.3	3.8	4.3	2.6	4.6	7.8	4.6	6.9	6.3	3.7	4.9	6.6	7.8	6.6	7.5	16.8
82	3.7	3.6	5.3	2.7	3.9	3.9	3.6	3.2	6.2	6.7	4.3	7.8	9.6	5.2	4.9	7.8
83	12.8	11.4	3.3	6.5	12.5	11.4	6.8	6.7	4.8	2.3	7.9	4.8	3.8	0.1	7.3	9.8
March																
1981	5.2	7.2	10.2	11.5	7.9	6.9	12.8	11.5	11.8	3.9	8.9	9.8	17.6	15.3	17.7	7.5
82	5.8	4.8	9.6	15.3	14.5	7.3	5.1	8.8	9.4	15.8	9.6	16.8	12.9	15.3	17.6	17.8
83	14.8	20.3	8.5	8.8	7.3	5.4	5.2	4.7	5.3	6.3	8.7	13.3	7.4	5.7	5.8	11.3
April																
1981	9.8	8.8	14.6	13.6	13.9	14.1	16.7	18.3	18.6	17.9	14.6	18.4	22.8	13.7	16.4	18.8
82	17.4	18.9	10.6	9.9	15.9	15.8	14.1	21.8	8.8	13.5	14.7	14.2	18.9	18.9	14.1	15.3
83	12.3	15.8	17.7	14.3	18.7	22.7	21.8	18.8	21.8	16.8	18.1	14.6	12.6	19.6	21.9	23.7
May																
1981	25.3	23.6	17.7	18.5	21.3	17.2	20.8	21.2	26.6	29.5	22.2	28.7	18.6	19.2	24.8	23.8
82	18.1	16.3	17.7	20.7	26.6	20.9	23.3	26.4	26.8	26.8	22.4	29.8	29.4	30.0	18.8	26.2
83	19.9	22.8	24.6	28.3	24.2	22.8	21.8	20.4	21.2	26.8	23.3	28.6	26.3	24.8	23.2	25.3
June																
1981	16.9	20.6	25.4	26.3	25.2	26.9	30.8	30.8	32.8	25.6	26.1	25.2	21.8	21.9	21.6	24.3
82	22.3	17.8	22.5	28.2	27.5	30.8	29.9	26.8	26.5	27.7	26.0	30.0	30.9	22.4	21.0	26.1
83	26.3	31.7	24.9	25.7	29.5	28.8	24.9	28.3	27.3	27.3	27.5	23.4	20.1	24.3	29.6	30.7
July																
1981	26.7	28.8	27.2	27.7	31.8	31.5	29.9	31.9	32.7	29.5	29.8	30.4	32.6	31.9	31.7	31.6
82	24.6	27.8	28.4	29.6	31.8	27.9	26.1	27.9	29.4	32.9	28.6	30.8	30.7	24.7	24.3	29.7
83	29.1	29.5	31.8	33.2	26.4	26.7	24.6	22.7	23.4	23.7	27.1	24.7	27.3	26.8	29.3	25.9
August																
1981	33.4	35.8	33.9	27.7	25.8	27.3	25.9	28.9	31.9	33.8	30.4	28.7	27.8	28.8	28.2	29.8
82	23.6	26.8	29.3	29.9	30.8	32.6	32.9	31.7	27.8	31.9	29.7	30.2	31.4	32.8	31.8	31.4
83	30.6	31.8	34.4	33.7	34.8	35.1	34.7	32.6	32.7	33.7	33.4	31.7	31.2	33.9	32.1	30.1
September																
1981	33.7	32.2	31.1	22.9	24.9	24.5	24.8	24.3	28.2	21.6	26.8	25.2	23.8	24.7	23.1	22.9
82	28.4	28.7	27.2	25.8	25.2	24.9	27.8	27.9	27.9	21.7	26.6	22.8	20.7	24.8	22.3	25.8
83	28.3	31.4	33.5	33.8	33.8	31.2	25.7	26.6	26.9	27.9	29.9	26.1	25.8	24.8	26.5	28.4
October																
1981	21.8	22.3	21.5	22.4	20.9	23.9	21.9	22.8	17.8	20.3	21.6	22.5	21.8	21.4	18.4	21.3
82	24.2	22.9	23.2	22.7	23.8	23.3	22.6	21.9	22.4	22.8	23.0	23.5	24.3	24.7	26.8	25.8
83	25.4	24.8	27.7	24.8	23.8	20.8	19.8	20.4	21.4	24.2	23.3	22.4	19.2	24.1	20.2	20.9
November																
1981	15.1	19.4	18.7	15.5	13.7	12.9	10.9	6.8	7.8	11.4	13.2	10.9	14.9	15.9	14.9	14.5
82	17.6	15.8	17.8	16.9	15.2	19.8	15.2	19.2	17.3	18.8	17.4	17.2	12.8	16.4	19.8	14.2
83	16.7	18.6	20.2	16.7	16.8	16.6	13.5	13.9	16.7	18.7	16.8	18.3	12.8	10.3	10.7	16.2
December																
1981	11.2	3.9	5.8	11.9	11.8	11.7	6.7	7.4	7.8	9.8	8.8	11.9	12.9	8.4	2.3	2.9
82	14.6	13.8	13.7	16.8	8.5	4.9	10.2	9.5	12.7	17.1	12.2	19.2	7.5	4.8	8.9	9.8
83	8.4	15.8	12.1	11.8	8.7	6.4	7.8	10.7	13.8	14.9	11.1	7.7	8.7	12.9	12.2	7.6

16	17	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
2.9	4.8	4.5	4.8	4.4	3.2	4.5	2.6	7.4	5.7	5.3	1.2	3.9	4.9	5.2	5.7	9.7	5.1	4.3
5.7	4.9	4.1	2.6	4.8	6.3	8.6	9.8	7.5	8.8	4.8	7.9	4.7	1.5	-0.2	5.1	4.8	5.8	7.0
9.7	9.3	5.7	7.4	2.9	6.5	1.8	0.2	4.5	3.7	10.5	8.8	11.2	13.7	15.6	8.9	7.7	7.9	7.4
10.9	3.2	10.6	5.8	4.9	8.1	5.4	8.8	5.8	6.9	1.2	-3.2	0.2	5.9				3.9	5.8
10.2	5.7	11.8	11.9	6.3	8.1	6.2	9.8	10.2	5.9	7.8	6.3	12.6	13.7				9.1	7.0
10.2	7.7	4.8	3.4	3.4	5.5	4.6	8.3	8.7	6.5	5.6	8.8	9.2	11.9				8.0	7.1
8.9	13.4	16.8	20.9	18.8	14.7	9.3	13.4	11.9	18.4	21.5	13.1	7.1	14.4	13.9	10.4	12.9	13.3	12.3
18.6	13.2	10.9	13.6	10.4	14.7	13.6	18.4	19.9	6.8	5.9	8.3	11.6	12.4	12.7	20.9	12.6	13.0	12.5
8.8	9.8	3.8	11.6	17.8	9.5	13.2	18.8	14.2	9.8	8.8	11.3	12.7	13.2	11.7	10.0	15.3	12.6	10.4
12.8	15.9	19.8	11.4	11.7	16.2	17.9	22.3	22.8	24.5	21.5	23.4	23.7	23.8	20.4	21.2		22.2	17.7
15.5	15.7	16.9	19.2	21.5	17.0	12.2	14.9	21.7	22.4	23.9	23.8	26.8	24.6	23.9	25.5		22.0	17.9
19.5	20.8	21.1	22.4	16.4	19.3	21.2	21.9	23.8	24.6	27.2	26.5	30.4	25.7	28.7	20.4		25.0	20.8
19.8	15.8	14.9	16.2	19.8	20.2	23.5	26.9	27.8	19.4	25.7	30.8	30.9	26.4	22.8	24.4	21.5	25.5	22.7
26.5	25.9	25.9	25.8	18.4	25.7	15.6	21.5	25.4	28.6	28.2	26.9	28.8	28.6	28.8	23.1	24.9	25.5	24.6
16.9	17.7	23.9	24.4	26.5	23.8	24.9	26.3	19.9	20.6	17.1	22.4	26.2	27.2	29.8	28.4	28.5	24.7	23.9
29.1	30.9	26.6	26.6	25.6	25.4	25.8	28.8	22.8	25.9	21.8	27.3	28.8	25.7	22.3	24.5		25.4	25.6
29.3	27.6	26.8	27.9	28.2	27.0	26.9	28.8	26.7	24.8	21.9	22.2	22.4	21.9	22.7	23.3		24.2	25.7
23.3	21.8	30.8	22.4	19.3	24.6	20.9	22.5	25.7	25.7	25.2	26.8	27.6	27.8	26.8	27.0		25.6	25.9
32.4	33.2	34.1	34.8	33.7	32.6	33.7	31.8	30.9	30.0	31.8	31.5	33.2	34.3	34.9	33.7	32.9	32.6	31.7
26.2	28.9	26.7	28.7	26.7	27.8	28.2	28.3	26.8	27.5	29.4	32.8	31.7	30.9	30.3	28.7	28.9	29.4	28.6
24.4	25.2	29.6	30.2	26.8	27.0	26.2	29.3	25.4	31.8	34.9	35.2	35.3	32.8	32.2	32.8	34.2	32.7	29.1
31.7	33.1	33.8	28.9	32.2	29.3	34.4	26.6	27.5	31.6	31.9	33.8	24.7	28.9	29.3	33.5	34.3	30.6	30.1
29.8	25.5	23.8	25.4	28.5	29.1	32.3	28.5	30.7	29.3	31.5	31.9	28.8	29.6	32.1	27.8	29.9	30.2	29.7
31.9	29.7	26.3	24.5	26.7	28.8	25.5	24.9	26.9	27.8	25.5	31.8	30.7	31.8	32.8	31.2	31.8	29.1	30.4
24.1	25.8	27.1	22.0	25.4	24.4	25.7	27.6	26.9	27.8	23.8	21.2	24.8	18.8	21.3	23.2		24.1	24.5
24.1	24.3	24.9	21.5	20.9	23.2	20.6	23.5	19.7	24.6	25.8	28.8	19.9	22.3	22.8	19.8		22.8	24.2
27.3	27.4	27.5	30.3	25.8	27.0	27.8	25.9	24.7	22.8	22.4	24.3	18.0	19.3	21.7	25.8		23.3	26.7
22.9	24.9	24.7	18.6	18.3	21.5	22.5	26.5	12.4	15.2	13.1	16.8	18.4	21.8	17.8	19.8	17.3	18.3	20.4
18.3	18.8	24.4	23.8	23.8	23.4	21.2	19.2	20.9	17.1	10.8	16.8	19.4	21.3	23.5	24.8	22.9	20.0	22.1
21.2	21.2	17.3	15.5	18.2	20.1	20.3	20.3	12.4	13.6	15.2	14.8	17.7	15.4	12.4	19.8	16.3	16.3	19.8
13.8	8.3	10.9	17.3	17.4	13.9	15.3	16.7	11.2	11.3	11.9	12.8	9.9	7.2	9.4	12.7		11.8	13.0
16.3	17.7	17.2	18.3	16.2	16.6	16.9	17.6	16.3	10.8	9.9	10.6	9.2	17.0	18.4	14.1		14.1	16.0
16.8	10.7	11.3	12.4	15.2	13.5	11.6	15.5	12.6	13.8	7.9	6.5	5.7	10.8	13.9	15.3		11.4	13.9
4.4	8.6	9.8	5.5	6.9	7.4	10.4	13.8	12.7	3.8	9.8	14.3	15.8	16.8	15.7	7.4	12.1	12.1	9.5
11.2	10.9	8.8	8.5	11.9	10.2	11.8	13.2	13.3	13.3	10.1	8.4	13.2	10.5	9.8	8.5	5.6	10.7	11.0
7.9	4.4	4.9	5.6	5.4	7.7	9.6	5.9	2.4	3.9	2.1	2.4	4.3	3.8	3.1	6.4	3.8	4.3	7.6

Table 3. Daily Minimum Temperature (°C)

Date	1	2	3	4	5	6	7	8	9	10	上旬平均	11	12	13	14	15
Year																
January																
1981	-2.6	1.2	-0.3	-1.8	-4.5	-2.7	-1.8	-1.2	-3.4	0.8	-1.6	-2.7	-1.6	-3.2	-2.8	-2.6
82	3.7	1.9	-0.3	7.4	5.2	0.2	0.2	-1.6	0.4	0.6	1.8	-1.8	1.5	0.3	-0.6	-2.5
83	0.7	1.5	0.2	0.8	1.2	6.4	0.4	1.3	0.6	-0.2	1.3	-1.9	-1.6	-1.2	0.2	0.5
February																
1981	-1.3	-1.8	-2.4	-1.8	-1.1	-4.3	-2.8	-2.3	-2.7	-0.4	-2.1	-0.6	-2.9	2.3	3.3	-1.6
82	-0.2	-0.8	-4.8	0.2	-0.4	-1.5	-0.7	-2.4	-2.6	-0.4	-1.4	-3.9	-2.1	-1.3	0.3	1.1
83	-1.9	2.4	2.3	0.8	-2.8	0.3	1.5	-1.3	-0.6	-1.6	-0.1	-2.6	-2.8	-2.5	-2.6	-0.7
March																
1981	-0.9	-4.3	-3.2	0.3	-1.6	-2.8	-3.9	1.4	2.5	0.2	-1.2	-2.6	-1.6	5.8	9.3	1.2
82	0.9	-0.2	-2.3	-0.7	6.5	4.4	1.1	1.5	-2.8	-2.9	0.6	-0.3	1.7	4.2	-0.2	8.4
83	-2.7	2.8	7.4	4.2	0.3	-0.5	-0.3	-0.4	-2.8	0.4	0.8	3.2	-0.5	1.1	0.9	-2.6
April																
1981	0.1	6.2	-2.3	6.3	8.9	5.6	0.3	4.6	11.2	11.8	5.3	11.5	10.1	4.9	4.3	3.2
82	4.7	0.2	8.7	2.4	-0.2	1.3	9.3	7.6	6.7	3.6	4.4	-1.8	5.9	5.2	8.8	10.7
83	8.8	6.4	4.7	5.4	0.7	3.2	9.4	11.3	5.2	10.3	6.5	14.2	11.3	3.8	11.4	16.3
May																
1981	6.9	11.8	9.4	5.2	8.1	3.8	12.3	7.1	8.9	10.2	8.4	11.8	10.6	5.2	5.1	9.3
82	16.1	12.8	8.9	9.5	9.2	9.8	13.2	7.8	8.2	8.9	10.4	14.4	15.4	16.5	11.9	3.8
83	13.8	7.2	6.4	5.2	10.4	15.6	14.2	8.4	6.8	6.3	9.4	11.7	11.2	9.3	9.8	3.8
June																
1981	9.2	10.5	5.3	12.2	7.7	9.2	9.7	16.6	13.3	18.3	11.2	15.3	17.8	18.3	16.3	18.2
82	19.8	15.1	13.3	9.8	14.1	13.6	14.8	15.6	16.7	11.4	14.1	15.8	17.7	15.8	13.2	9.8
83	16.4	9.2	14.6	15.5	11.9	9.2	13.4	13.7	13.6	9.4	12.7	12.4	13.3	11.6	11.6	12.7
July																
1981	19.7	21.2	22.8	18.8	20.5	20.3	22.4	18.8	22.1	21.3	20.8	22.4	23.8	23.3	23.8	22.8
82	10.2	12.2	16.2	15.7	11.2	19.7	20.8	21.3	17.3	18.5	16.3	19.2	23.6	20.8	19.6	11.7
83	17.5	18.8	19.7	20.2	20.3	19.6	16.8	18.6	18.3	16.4	18.6	14.2	15.3	17.5	16.2	22.6
August																
1981	27.2	21.3	24.8	22.9	19.6	15.4	16.2	19.9	20.8	21.4	21.0	23.9	22.1	18.2	20.3	17.4
82	21.8	18.7	20.1	18.1	19.1	20.4	21.3	22.7	20.5	19.7	20.2	21.3	20.1	20.6	23.3	22.1
83	23.3	23.8	22.3	23.3	23.2	23.5	23.7	22.8	22.5	21.2	23.0	20.5	21.8	21.4	22.6	20.4
September																
1981	21.8	23.2	24.3	22.3	17.4	18.2	13.4	14.6	19.4	18.3	19.3	12.3	16.3	15.7	12.4	9.5
82	21.2	21.5	18.2	15.5	13.2	17.1	16.2	17.3	19.1	17.2	17.7	13.2	16.2	14.5	12.3	15.4
83	23.8	21.2	21.8	22.2	20.5	22.6	23.3	18.3	18.7	19.4	21.2	20.6	22.3	20.1	16.7	17.4
October																
1981	15.3	17.7	13.4	10.3	16.2	14.3	15.1	15.1	15.5	13.2	14.6	8.8	7.3	8.2	13.8	6.6
82	15.2	16.3	14.5	11.2	13.2	13.6	8.2	9.2	14.1	11.5	12.7	10.3	8.8	7.2	9.2	12.3
83	11.3	14.4	15.3	17.3	16.3	11.1	8.3	12.3	13.2	13.7	13.3	15.4	8.9	10.1	14.2	9.6
November																
1981	6.6	5.8	8.7	8.2	6.4	8.2	9.3	3.2	1.4	-0.2	5.8	5.3	1.3	4.2	4.8	6.6
82	10.5	7.3	2.4	3.8	7.8	9.3	11.4	10.3	9.6	12.2	8.5	10.1	8.4	8.3	5.1	9.8
83	4.7	4.8	5.7	9.2	10.6	9.9	9.3	6.3	3.7	5.6	7.0	9.4	8.3	5.4	3.9	2.8
December																
1981	4.9	-0.2	0.8	-2.8	-0.8	1.3	0.8	2.2	3.4	3.3	1.3	-2.7	0.2	2.1	0.2	-0.5
82	6.3	4.2	6.2	-1.2	4.4	3.1	-1.5	0.3	0.2	4.6	2.7	5.3	5.3	0.4	-0.3	-0.6
83	2.4	0.5	3.8	2.9	3.2	3.1	-0.2	2.3	2.9	0.7	2.2	1.4	0.9	-0.2	3.8	2.3

16	17	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
-1.7	-2.8	-4.6	-0.9	-1.7	-2.5	-3.6	-2.1	-2.8	-3.8	-0.4	-0.2	-3.7	-1.5	-2.6	0.2	-3.9	-2.2	-2.1
0.4	0.5	-5.7	-3.2	-2.3	-1.3	-5.2	-0.2	1.8	-2.7	-1.5	-1.3	0.2	-0.6	-4.8	-3.2	-5.4	-2.1	-0.6
-0.8	-1.5	0.4	2.4	-2.6	-0.6	-3.8	-2.6	-3.7	0.8	-1.8	-1.4	-0.2	0.2	-2.8	-0.2	1.4	-1.3	-0.2
4.3	0.2	-2.8	-0.5	1.5	0.3	1.2	-2.4	2.5	2.9	-2.8	-7.9	-8.6	-9.8				-3.1	-1.5
-3.5	-2.3	-0.2	0.7	4.2	-0.7	2.4	0.2	0.3	1.1	0.2	-1.9	-4.7	-1.8				-0.5	-0.9
-3.4	-0.2	1.3	-2.1	-2.9	-1.9	0.1	-0.3	-3.7	0.2	0.5	-0.2	-3.8	-4.2				-1.4	-1.1
3.5	-1.4	-1.8	1.3	7.3	2.1	3.6	4.7	5.3	-1.7	6.1	7.6	3.2	0.4	3.6	1.3	1.8	3.3	1.4
5.1	6.1	5.4	-0.8	1.3	3.1	2.4	5.8	12.7	5.2	2.4	-1.8	-3.8	-3.2	-3.6	1.9	8.6	2.8	2.2
0.5	6.2	0.2	-3.7	-0.9	0.4	2.1	-0.5	6.9	8.3	2.8	-0.6	2.3	6.4	1.8	5.3	5.6	3.7	1.7
10.2	7.7	2.8	7.3	6.5	6.9	1.5	2.8	4.8	5.6	9.6	8.9	2.2	3.4	7.3	9.7		5.6	5.9
5.2	5.2	5.9	0.2	2.3	4.8	8.2	6.4	1.8	6.8	7.3	9.9	12.3	14.2	14.3	11.5		9.3	6.2
10.4	13.5	13.8	13.2	12.7	12.1	11.5	12.8	9.8	5.9	8.4	8.3	20.3	15.7	14.4	15.2		12.2	10.3
8.2	9.7	7.5	8.8	5.2	8.1	5.3	8.3	9.2	11.3	9.5	11.2	12.8	19.5	11.3	10.1	11.7	10.9	9.2
16.4	17.2	12.2	14.5	14.1	13.6	10.9	9.3	13.2	14.6	13.3	13.6	13.8	14.7	14.8	15.3	17.4	13.7	12.6
10.4	10.2	6.3	10.6	13.7	9.7	11.3	13.8	16.2	15.2	13.3	7.8	10.8	15.3	13.2	15.8	16.3	13.6	11.0
14.2	18.1	21.8	18.2	18.7	17.7	16.3	19.3	18.2	15.2	17.3	18.2	21.2	20.4	21.3	19.6		18.7	15.9
12.3	16.2	17.2	17.2	18.2	15.3	17.3	14.7	19.4	18.3	16.3	17.3	13.5	12.3	10.2	13.2		15.3	15.0
16.2	16.3	13.8	13.5	12.8	13.4	13.3	14.6	14.7	19.4	16.7	14.3	13.7	18.8	17.6	18.7		16.2	14.1
23.3	22.2	21.8	24.7	22.3	23.0	22.2	21.4	24.2	21.5	16.9	18.4	17.3	22.4	21.4	19.8	21.8	20.6	21.5
22.3	20.7	20.3	18.2	17.3	19.4	18.6	17.2	16.8	20.1	20.6	21.1	21.3	22.3	20.5	21.4	21.2	20.1	18.6
21.3	19.7	19.6	18.2	21.3	18.6	21.8	21.3	22.4	21.3	21.9	22.4	21.7	23.7	22.4	23.3	22.6	22.3	19.9
17.8	20.1	21.3	23.4	22.2	20.7	23.6	22.6	22.4	15.3	17.8	20.2	21.3	19.4	20.1	22.4	23.7	20.8	20.8
21.4	22.3	22.3	22.2	20.8	21.6	20.2	21.5	22.1	22.7	20.7	21.8	24.7	25.9	20.6	18.4	17.3	21.5	21.1
23.8	24.8	24.4	23.2	21.2	22.4	20.6	21.8	19.3	21.4	23.4	21.2	21.7	22.8	25.7	20.6	21.6	21.8	22.2
9.3	10.2	11.2	15.2	15.4	12.8	13.3	14.2	14.9	18.7	20.2	13.7	13.1	12.3	10.2	10.3		14.1	15.4
16.2	12.3	14.2	16.9	17.3	14.9	17.3	10.8	14.7	14.8	18.2	13.6	14.5	11.5	10.2	14.2		14.0	15.5
19.3	18.8	17.7	15.2	20.5	18.9	21.3	19.9	16.2	18.4	15.9	15.1	16.2	16.4	16.2	11.3		16.7	18.9
8.3	8.8	7.2	11.7	9.8	9.1	7.8	15.4	8.7	5.7	2.3	3.5	3.4	4.6	12.2	7.4	6.3	7.0	10.1
15.8	9.5	7.3	13.2	13.3	10.7	8.4	8.3	7.3	7.8	5.1	4.4	3.6	5.3	8.2	8.2	8.8	6.9	10.0
9.7	10.7	13.3	8.2	8.6	10.9	9.5	10.4	9.3	7.8	7.3	4.7	9.4	7.3	7.2	5.7	2.2	7.4	10.4
1.3	5.7	3.5	-0.4	6.2	3.9	3.2	5.3	1.3	4.6	3.3	5.4	7.7	4.5	2.4	5.2		4.3	4.6
11.3	11.2	5.2	6.4	9.3	8.5	4.3	5.6	7.8	5.5	5.2	3.4	3.8	2.3	8.5	12.8		5.9	7.6
5.4	6.1	1.3	7.4	2.6	5.3	2.3	6.2	7.4	-0.5	4.2	1.9	0.4	-0.2	-1.5	1.1		2.1	4.8
0.5	-1.8	-3.7	1.7	1.4	-0.3	-0.2	1.2	2.4	1.7	-1.6	-0.8	1.7	1.3	0.5	2.8	3.4	1.1	0.7
1.6	3.8	-2.6	-2.7	-1.5	0.9	-2.7	-3.3	4.8	0.2	0.2	2.4	2.1	0.3	1.4	2.4	0.4	0.8	1.4
1.7	0.2	0.5	-0.3	0.3	1.1	0.1	-1.3	0.5	-2.8	-1.4	-0.8	-0.8	-2.9	-2.6	-2.1	0.3	-1.3	0.6

Table 4. Daily Amnout of Precipitation (mm)

Date	1	2	3	4	5	6	7	8	9	10	上旬計	11	12	13	14	15	
Year																	
January																	
1981	1	2	11	2	3	0		2	2	8	21	40	4	1	15	2	16
82	2	7		38	3	19					81	5	3				6
83		11	2		29	5		2			70			6	2		
February																	
1981	4	1	14	3					3	1	26		3	10			
82	14	15	4	25	3	5	24	4	6		100		2	11	10		
83	19	40	3	1		18	2	3	16	2	104		4	9			1
March																	
1981	4		7	5	3	1			14	13	47		4	8			8
82	39	2				2	19	9	1		72		1		3		14
83	17	4	17	22		8	11	2	7	5	93		14	55			
April																	
1981	37	4	2	3	14				14	3	77		6	12			29
82		24	11			3	22	9	18		87			18	19		
83	39	6					10		5	16	76	7	2		1		
May																	
1981	3	2	15			8	4		41	3	76	63					2
82	8	6	3			2					19			37			
83						26					26						11
June																	
1981	0		2	2							4	9	19	1	11		
82	4	36									40			11	1		
83					5						5		8	4			6
July																	
1981	26	33	24			5		15	2		105	20		79	11	4	
82						5	12				17	8		1	20	2	
83		6		31			6	15			58				9	34	
August																	
1981			1	36			10			1	48	2	0				
82	74	8							1		94						2
83	4					4			1	11	9	35					3
September																	
1981			17	18	2				6	3	41		1	2			
82	2							34	66	3	107		29				
83	20		3	2	4	2	3	3	1	8	41	7	8	2			
October																	
1981	4	5		3	11		11	9	1		44			33			
82	1	5									17						14
83				15			6	3	11		24	2		15			2
November																	
1981	14	12	2		19	21	8	22			98	5		3			3
82	9			3	6	8	7	2	13	18	66	4	4		1		7
83	6			2		14	12			2	36	5	44	19	4		
December																	
1981	14	10	2		4	2	18	8	3		61			9	47	20	
82		3			22	2					27	10	5				
83	4	6	7	15	22	1	10	1		6	72	15			15	2	



16	17	18	19	20	中旬計	21	22	23	24	25	26	27	28	29	30	31	下旬計	月計
7		1	4	2	52	10	4	7	4	16	38	7	1	7	1	2	97	189
69	14	19	8		124		12	4		7	2	53	42	8	2	26	156	361
	31	16	9	6	70	14	16	2	9						28		69	209
52	3		1		69	4	12	8	18	7	7	11	3				70	165
				13	50	8	1	1	2	6			9				27	177
	4		14	7	25			16	6	7							29	158
					20	7	3		6	1	10						27	94
	2	1		10	31	21		9	1	2						4	37	140
11	36	4		12	132	5	5	27	6					1	2	14	60	285
24		3	14	7	95				6					5			11	183
	3			1	41	13							2		28		43	171
1		1	39		51	4						1					5	132
36	31	4	3		139			6	5					4			19	234
89	5		45	3	85	2								3	22	4	31	135
					105		2					4					6	137
	5	3	14	6	68	21	28	1	9	59	33	6	40	17	0		214	286
			2		14		1	1			9	3					14	68
30				113	161	8		3				3	1	38	1		54	220
0					114	0	2						15			1	18	237
12		12	1		56			15	5		0		11	45		6	72	145
22	39		5	39	148	29	45	6						6	6		92	298
		6			8	27	17				18	28					90	146
14	54	132			237	16	4	2	3		2	1				2	22	353
	2	24	6	18	53			2	30	4							58	120
		18	4		25				16	27	49	3	6				101	167
			56	16	101	4	2		82		5	38	113		3		91	299
8			18		43	20		1	24				73				274	358
		5	2		40		28	2		0			24	2		3	60	144
2		4	13	2	35	2		14	21	11						17	65	117
	6	2	4		31		11	44	11		12			7		3	88	143
39	17			27	94	6	7	4		3	8	12	16		3		59	251
4	1				21				3					38	2		43	130
	12	2			86			17	2	15	30	9			3		76	198
4		19	9	8	116			9	4					11	8		32	209
1	1				17		1			2	16					27	46	90
11	43	4	6	1	97	3	3	2	21	86	26	3		4		38	186	355

年計 { 1981 : 2,305  
1982 : 2,186  
1983 : 2,613

Table 5. Wind Direction at 9 A.M.

Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Year																				
January																				
1981	—	—	—	—	NW	—	—	—	—	NW	—	—	—	—	—	—	E	—	—	—
82	—	—	—	SW	NW	—	—	—	—	—	—	—	NE	NW	—	—	—	—	NE	—
83	—	—	—	—	—	—	—	—	—	NE	—	—	—	—	—	—	—	—	—	—
February																				
1981	—	—	NE	—	—	—	—	—	—	—	—	—	NE	—	—	NE	—	—	—	—
82	—	—	—	—	—	NE	—	—	—	—	—	—	—	—	—	—	—	—	—	—
83	—	—	NW	—	—	—	—	NE	—	—	NE	NE	—	NE	—	—	—	—	NE	—
March																				
1981	—	NE	—	—	—	—	—	—	—	—	—	—	—	SW	—	W	—	—	—	—
82	—	—	NE	E	SW	—	—	—	—	—	—	—	—	—	SW	—	—	—	NE	—
83	NE	—	—	—	—	—	—	NE	NE	—	—	—	—	NE	—	SW	NE	—	—	—
April																				
1981	NE	—	—	—	—	NE	—	—	SW	—	—	—	NE	SW	—	—	—	—	—	—
82	—	SW	NE	—	—	—	—	—	—	NE	—	—	—	SW	—	SW	—	—	—	NE
83	—	—	—	—	—	—	—	—	—	SW	—	—	—	SW	—	—	—	—	NE	—
May																				
1981	—	SW	—	NE	—	—	—	—	—	—	SW	—	SE	—	—	SW	—	—	—	—
82	—	—	—	SW	—	SW	—	—	—	—	—	—	—	—	—	—	NE	—	—	—
83	—	NE	—	—	—	SW	—	—	—	—	—	SE	—	NE	—	—	—	—	—	SW
June																				
1981	—	—	—	SW	—	—	—	—	—	NW	—	—	—	—	—	NW	S	—	—	—
82	—	—	NE	—	—	—	—	SE	NE	—	—	—	—	—	—	NE	—	—	—	—
83	—	—	—	NE	—	—	—	—	—	—	—	—	—	—	—	—	—	—	SW	—
July																				
1981	—	—	—	—	—	SW	—	SW	—	—	—	—	SE	—	—	—	—	—	W	—
82	—	SW	—	—	—	SW	—	—	—	—	SW	—	NE	NE	—	SW	—	—	—	—
83	SW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
August																				
1981	—	—	—	NE	SE	—	—	—	—	—	—	—	—	—	—	—	—	—	SW	—
82	—	—	—	NE	SW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
83	SW	—	—	—	—	—	—	—	—	—	—	—	—	—	SW	SE	—	—	—	—
September																				
1981	—	SW	SW	—	—	—	—	—	—	—	W	—	—	—	—	—	—	—	—	—
82	—	—	—	—	—	—	—	—	—	—	NE	—	—	NE	—	—	—	—	—	—
83	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
October																				
1981	—	W	NW	—	SW	—	—	—	W	—	—	—	—	—	—	NE	—	—	—	—
82	—	—	—	—	—	—	—	—	NE	—	—	—	—	—	—	—	—	—	—	—
83	—	—	—	—	NE	—	—	—	—	—	NW	—	—	—	—	—	—	—	—	NW
November																				
1981	—	—	—	—	—	NE	—	—	—	—	—	—	—	—	—	—	—	—	—	E
82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	SW	—	—	—	—	—
83	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	SE	SE	NE	NE	—
December																				
1981	—	—	NE	—	SW	—	—	—	—	—	—	NE	—	—	NE	NE	—	—	—	—
82	NE	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
83	—	—	—	—	NE	—	—	—	—	—	—	—	—	—	SW	—	—	—	—	—

21	22	23	24	25	26	27	28	29	30	31	N	S	E	W	NE	NW	SE	SW	
NE	—	E	—	—	—	—	—	NE	—	—			2		2	2		1	
—	—	NE	—	—	—	—	—	—	NE	—					4	2			
															1				
NE	—	—	—	W	NW	—	—							1	4	1			
—	—	—	—	—	NE	—	—								2				
—	—	—	—	—	—	—	—								5	1			
—	—	—	NE	SW	SW	—	—	NE	SE	—							1	3	
—	—	—	—	NE	NE	NE	—	—	SW	SW			1	1	3			1	
—	—	—	—	NE	—	—	—	—	—	—					5			3	
—	—	—	—	NE	—	—	—	—	—	—					7			4	
																		1	
—	—	—	SW	NW	—	—	SW	—	SW						3	1		5	
—	—	—	SW	—	SW	—	—	—	—						3			5	
NE	SW	SE	—	—	SW	SW	—	—	—						2		1	5	
—	—	—	—	—	—	—	—	—	NE	—					2			3	
SW	—	—	SW	—	NE	SW	NE	—	—	—					2		1	4	
															4		1	3	
—	—	—	—	—	—	—	—	—	—	—									
—	SW	—	—	—	NE	—	—	—	—	—	1					2		1	
—	—	NW	—	—	—	SW	—	—	—	—					4		1	1	
															1	1		3	
—	—	—	NE	NE	—	—	—	—	—	SW				1	2		1	2	
—	—	SW	SE	—	SW	SW	NE	—	—	—					2		1	5	
—	—	—	—	—	—	—	—	—	—	—					1			3	
—	—	—	—	—	SW	—	W	—	—	—				2	1		1	2	
—	—	—	—	—	—	—	—	—	—	—					2			1	
—	—	—	—	—	—	SW	—	—	—	—							1	3	
—	—	—	S	—	—	—	—	—	—	—								2	
—	NE	—	—	SW	—	—	—	—	—	—	1			1				1	
—	—	—	—	—	—	—	—	NE	—	—					3				
															1				
—	—	—	NE	NW	—	—	—	—	—	—									
—	—	—	—	—	NE	NE	—	—	—	—				2	2		2	1	
—	—	—	—	—	—	—	—	—	—	—					3				
															1		2		
—	—	—	—	—	—	—	NE	—	—	—				1	2			2	
—	—	—	NW	NW	NE	—	—	SW	NW	—						3			
—	—	—	—	NE	NE	—	—	—	SE	—					4		3	2	
—	SW	SW	—	—	—	—	—	—	—	—					4			3	
—	NE	NE	—	—	—	NE	—	—	—	—					4				
—	—	—	—	—	—	—	—	—	—	—					1			1	
											計	1981 :	2	3	8	25	8	4	22
												1982 :		1		34	5	2	24
												1983 :				28	4	6	19





Table 7. Amount of Cloud

Date	1	2	3	4	5	6	7	8	9	10	上旬 平均	11	12	13	14	15
Year																
<b>January</b>																
1981	0	10	10	10	7	10	8	0	4	10	6.9	10	7	10	10	10
82	10	10	0	10	10	0	10	10	7		7.7	0	10	4	10	10
83	8	5	10	0	10	10	2	10	10	10	7.5	10	8	10	10	10
<b>February</b>																
1981	10	10	10	8	10	10	0	10	10	10	8.8	10	8	10	10	10
82	10	10	10	10	10	10	10	10	10	10	10.0	10	10	10	10	10
83	10	10	10	10	10	10	10	10	10	10	10.0	10	4	10	10	10
<b>March</b>																
1981	10	10	5	10	10	10	0	10	10	10	8.5	0	0	10	5	10
82	10	10	4	2	10	10	10	10	10	0	7.6	0	10	10	0	10
83	7	10	10	10	10	10	10	10	10	10	9.7	10	10	10	10	10
<b>April</b>																
1981	10	10	0	10	10	10	4	5	10	10	7.9	10	10	10	5	10
82	0	3	10	10	10	10	10	0	10	8	7.1	0	10	10	10	10
83	10	0	0	10	0	0	10	8	10	10	5.8	10	10	0	10	7
<b>May</b>																
1981	0	10	10	10	0	10	10	0	0	10	6.0	8	10	0	10	10
82	10	10	10	3	10	10	10	0	0	10	7.3	0	10	0	10	0
83	10	3	0	0	10	10	10	10	0	0	5.3	0	0	10	10	0
<b>June</b>																
1981	10	6	0	10	0	0	0	0	0	10	3.6	10	10	10	10	10
82	10	10	10	0	0	0	10	0	10	6	5.6	0	0	10	10	0
83	10	0	10	10	7	10	4	10	0	10	7.1	4	10	10	0	10
<b>July</b>																
1981	10	10	10	10	8	8	10	3	4	10	8.3	8	10	10	10	10
82	0	10	0	0	0	10	10	10	0	0	4.0	8	7	10	10	7
83	7	10	5	0	10	10	4	10	3	10	6.9	6	0	10	0	10
<b>August</b>																
1981	6	3	0	10	4	10	10	10	0	10	6.3	10	10	3	10	4
82	10	10	10	0	0	10	0	0	9	1	5.0	0	7	0	10	10
83	10	10	0	0	10	0	0	0	0	0	3.0	10	10	0	0	8
<b>September</b>																
1981	0	10	10	10	10	7	10	10	6	10	8.3	10	10	6	3	7
82	10	10	10	10	0	10	10	10	10	10	9.0	8	10	4	10	0
83	10	0	0	0	5	0	10	10	10	10	5.5	10	10	10	10	0
<b>October</b>																
1981	10	7	6	7	10	10	10	10	10	10	9.0	0	3	6	10	0
82	10	10	10	5	7	10	0	4	10	0	6.6	0	0	0	0	6
83	0	0	0	10	10	0	10	10	8	0	4.8	3	3	10	3	10
<b>November</b>																
1981	10	10	10	10	10	10	10	10	10	4	9.4	10	0	4	2	10
82	10	10	0	10	10	0	10	10	10	10	8.0	8	10	6	0	10
83	0	0	0	10	10	0	10	10	6	0	4.6	10	10	10	10	10
<b>December</b>																
1981	7	10	10	0	10	10	10	10	10	10	8.7	0	7	10	10	10
82	10	2	8	0	10	10	2	10	10	0	6.2	10	10	10	7	10
83	10	0	10	10	8	10	6	10	0	0	6.4	10	10	4	5	10

16	17	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	10	10	10	2	8.9	2	10	10	10	10	10	10	10	6	10	0	8.0	7.9
10	10	5	10	10	7.9	0	7	10	8	10	10	10	10	10	10	10	8.6	8.1
10	3	10	10	10	9.1	10	10	6	10	0	8	3	3	0	10	10	6.4	7.6
0	10	10	10	10	8.8	10	10	10	10	5	10	10	0				8.1	8.6
4	10	3	10	10	8.7	10	10	10	10	6	10	0	5				7.6	8.9
0	10	10	10	10	8.4	10	0	0	10	10	10	0	0				5.0	8.0
10	1	0	0	10	4.6	10	10	10	4	10	5	10	0	10	10	10	8.1	7.1
0	3	10	10	10	6.3	10	0	0	10	10	10	0	0	0	10	10	5.5	6.4
10	8	10	0	0	7.8	10	10	10	10	10	10	10	10	10	10	10	10.0	9.2
10	8	10	10	10	9.3	7	0	0	10	3	0	0	0	10	7		3.7	7.0
10	8	0	0	0	5.8	10	7	0	10	0	10	6	7	6	10		6.6	6.5
10	10	0	10	10	7.7	10	10	3	0	0	0	0	10	10	0		4.3	5.9
10	10	10	10	0	7.8	0	0	0	10	10	0	10	10	10	10	6	6.0	6.6
0	0	0	0	8	2.8	10	7	0	0	0	0	0	0	10	10	10	4.3	4.9
10	10	0	10	0	5.0	10	0	10	10	10	6	3	4	0	10	0	5.7	5.4
10	7	10	8	10	9.1	10	10	10	10	10	10	10	10	10	10		10.0	7.6
10	10	3	10	10	6.3	10	10	10	10	10	10	7	3	6	10		8.6	6.6
7	10	0	5	10	6.6	10	8	0	10	8	0	4	10	2	10		6.2	6.6
10	0	0	0	0	5.8	0	10	10	6	0	0	0	0	0	10		1.2	5.7
10	10	10	10	10	9.2	10	6	10	10	10	10	10	10	10	10	10	9.6	7.7
10	10	0	0	10	5.6	10	10	10	10	8	6	0	10	10	1	3	7.1	6.6
0	0	10	10	0	5.7	7	10	5	7	10	8	10	7	7	5	6	7.5	6.5
10	10	10	10	10	7.7	10	10	10	8	10	10	10	0	7	2	0	7.0	6.6
5	10	10	10	10	7.3	10	10	5	10	10	0	10	0	0	0	10	5.9	5.4
0	0	10	10	2	5.8	10	0	4	2	10	10	10	10	10	10		7.6	7.2
10	10	10	10	10	8.2	10	2	10	10	10	10	10	10	10	10		9.2	8.8
0	10	4	0	10	6.4	10	10	10	10	10	10	10	10	6	10		9.6	7.2
10	0	6	10	7	5.2	10	7	10	5	10	10	4	0	10	2	10	7.1	7.1
10	7	0	10	10	4.3	10	10	3	10	10	0	0	0	6	0	0	4.5	5.1
7	10	8	10	10	7.4	0	10	10	10	10	10	10	10	2	0	0	6.6	6.3
10	10	6	2	10	6.4	10	10	10	10	10	10	10	10	7	6		9.3	8.4
10	10	0	3	10	6.7	3	10	10	6	10	10	10	10	10	10		8.9	7.9
2	10	10	10	4	8.6	0	10	0	7	10	10	10	7	0	6		6.0	6.4
10	10	3	10	10	8.0	10	3	10	10	0	0	0	0	0	10	10	4.8	7.1
10	10	0	8	10	8.5	0	10	10	0	10	10	10	2	10	10	10	7.5	7.4
10	10	10	10	10	8.9	0	10	10	0	10	10	5	10	10	10	10	7.7	7.7

Table 8. Daily Weather: ○ Clear Days, ⊕ Fine Days, ⊙ Cloudy Days, ⊕ Slightly Cloudy Days,

Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Year															
<b>January</b>															
1981	⊙	⊙	⊙	*	⊕	⊙	⊕	○	⊕	*	*	*	*	⊙	⊙
82	⊙	⊙	⊙	○	⊕	⊙	⊕	○	⊕	*	⊙	⊙	⊙	⊙	⊙
83	⊕	⊕	*	○	⊙	●	⊕	⊙	⊙	*	⊙	⊕	⊕	*	⊙
<b>February</b>															
1981	⊙	*	⊙	⊕	*	⊙	○	⊙	⊙	⊙	⊙	⊕	⊙	⊙	○
82	*	*	⊙	●	*	⊙	○	⊙	⊙	*	⊙	⊕	⊙	⊙	⊙
83	⊙	●	●	●	⊙	⊙	●	●	*	⊙	⊙	⊕	*	⊙	⊙
<b>March</b>															
1981	●	⊙	⊕	⊙	⊙	●	○	⊙	⊙	△	○	○	⊙	⊕	⊙
82	●	*	⊕	⊕	⊙	●	⊕	⊙	⊙	○	○	○	⊙	○	●
83	⊕	●	●	⊙	⊙	⊙	*	⊙	⊙	●	⊙	⊙	●	⊙	⊙
<b>April</b>															
1981	⊙	●	○	●	●	⊙	⊕	⊕	⊙	⊙	⊙	⊙	⊙	⊕	⊙
82	○	⊕	●	⊙	⊙	⊙	●	⊕	●	●	○	⊙	⊙	●	⊙
83	●	○	○	⊙	○	○	⊕	⊕	⊕	●	●	●	○	⊙	⊕
<b>May</b>															
1981	○	⊙	●	⊙	⊙	⊙	●	○	○	⊙	⊕	⊙	○	⊕	⊕
82	⊙	⊙	⊙	⊕	⊙	⊙	⊙	○	○	⊙	○	⊕	○	●	○
83	⊙	⊕	○	⊕	⊕	⊙	⊙	⊙	○	○	○	⊕	⊕	⊙	○
<b>June</b>															
1981	⊙	⊕	○	⊙	○	○	⊕	○	○	⊙	⊙	●	⊙	⊙	●
82	●	⊕	⊙	⊙	○	○	⊕	○	○	⊕	○	○	⊙	●	○
83	⊕	○	⊕	⊙	⊕	⊙	⊕	⊙	○	⊕	⊕	⊙	●	○	⊙
<b>July</b>															
1981	⊙	⊙	●	⊙	⊕	⊕	⊙	⊕	⊕	⊙	⊕	⊙	⊙	⊙	⊙
82	○	⊙	○	○	○	⊙	●	⊙	○	○	⊕	⊕	⊙	⊙	⊕
83	⊕	⊙	⊕	○	⊙	⊙	⊕	⊙	⊕	⊙	⊕	○	⊕	○	●
<b>August</b>															
1981	⊕	⊕	○	⊙	⊕	⊙	⊙	⊙	○	⊕	⊙	⊙	⊕	⊙	⊕
82	⊙	●	⊕	○	⊕	⊙	○	○	○	○	⊕	⊕	○	⊙	⊕
83	⊙	⊙	○	○	⊕	○	○	○	○	○	⊕	⊕	○	○	⊕
<b>September</b>															
1981	○	⊙	⊙	●	⊙	⊕	⊙	⊙	⊕	⊙	⊙	⊙	⊕	⊕	⊕
82	⊙	⊙	○	⊙	⊕	○	⊙	⊙	○	●	⊙	●	⊕	⊕	○
83	●	○	○	⊙	⊕	○	⊙	⊙	⊙	●	⊙	⊙	●	⊙	○
<b>October</b>															
1981	⊙	⊕	⊕	⊕	●	⊙	⊙	●	●	⊙	○	⊕	⊕	⊙	○
82	●	⊕	⊙	⊕	⊕	○	○	⊕	●	○	○	○	○	○	⊕
83	○	○	○	⊙	⊙	○	⊙	●	⊕	○	⊕	⊕	⊙	⊕	⊙
<b>November</b>															
1981	⊙	●	⊙	⊙	⊙	⊙	●	△	⊙	⊕	⊙	○	⊕	⊕	⊙
82	●	⊙	○	⊙	●	○	●	⊙	⊙	●	⊕	⊙	⊕	○	●
83	○	○	○	⊙	⊙	○	●	⊙	⊕	○	⊙	⊙	●	⊙	⊙
<b>December</b>															
1981	⊕	⊙	⊙	○	⊙	⊙	⊙	⊙	⊙	⊙	○	⊕	⊙	*	⊙
82	⊙	⊕	⊕	○	⊙	●	⊕	⊙	⊙	○	○	⊕	●	⊕	⊙
83	⊙	○	●	⊙	⊕	⊙	⊕	●	○	○	●	⊙	⊕	⊕	⊙



● Rainy Days, \* Snowy Days, △ Hail,

16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	合計							
																○	⊖	⊙	⊕	●	*	△	
* ⊙	⊙	⊙ ●	* ●	⊙	⊕	* ⊕	⊙ ●	● ⊕	* ⊕	* ⊕	* ⊕	⊙	⊕	* ⊕	⊙	⊙	3 4 3	6 5 9	10 15 10	1 1	11 5 4	1 2 4	1 5 4
⊕	* ⊙	⊙	●	⊙	⊙	⊙	●	⊙	⊕	* ⊙	* ⊙	○					3 1 5	3 4 1	15 14 15		2 4 5	5 5 2	
⊙	○	○ *	○	⊕	⊙	⊙	⊙	⊕	●	⊕	⊙	○	⊙	⊙	⊙	⊙	7 9 2	4 3 2	15 12 18	1	3 6 7	1 1 2	
●	⊕	⊕	●	●	⊕	○	○	⊕	⊕	○	○	○	⊕	⊕	○	⊕	6 8 11	7 6 3	8 11 9	5 3	4 5 4		
⊙	●	⊙	●	⊕	○	○	○	●	⊙	○	○	⊕	⊕	⊙	⊙	⊕	10 15 12	2 3 4	10 8 11	4 2 3	5 3 1		
⊕	⊕	●	⊕	●	⊕	⊕	●	⊙	●	⊙	⊕	●	●	⊙	⊙	⊕	6 9 6	4 5 9	11 9 9		9 3 3		
⊕	○	○	○	○	○	⊙	⊙	⊕	○	○	○	○	○	○	⊙	⊕	11 6 7	6 4 8	12 11 11	1 2 1	1 5 4		
○	○	⊕	⊙	○	⊕	●	⊕	⊕	⊙	⊕	●	⊕	⊕	⊕	⊕	⊕	5 9 13	13 4 3	9 11 6	2 2 2	2 5 7		
○	○	⊙	●	⊕	⊕	○	⊕	⊕	●	●	●	●	⊙	⊙	⊕	⊕	4 2 7	8 3 3	11 19 16	1	6 6 4		
⊙	○	⊕	●	⊕	⊙	⊙	●	⊕	⊙	⊙	⊕	○	⊕	⊕	⊙	⊙	4 12 8	11 7 7	11 8 13		5 4 3		
●	●	⊕	⊕	⊙	⊕	⊙	⊙	⊕	⊙	⊙	●	●	⊕	⊕	⊕	⊕	1 4 8	7 5 6	14 15 13		7 6 3	1	
⊙	⊙	⊕	●	●	⊙	⊕	⊙	⊙	○	○	○	○	○	○	●	⊙	7 5 5	4 6 5	16 15 12		3 5 6	1 5 3	
総計																1981: 67	75	142	14	48	17	2	
																82: 84	55	152	11	52	11		
																83: 87	60	143	13	51	11		

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

Date	1	2	3	4	5	6	7	8	9	10	上旬 平均	11	12	13	14	15
Year																
January																
1981	78	69	67	96	64	72	87	89	92	73	78.7	97	84	93	96	87
82	86	88	84	77	91	91	90	92	97	88	88.4	95	92	83	91	88
83	92	90	94	89	91	95	88	87	90	95	91.1	92	90	83	91	90
February																
1981	97	95	65	83	92	84	81	88	79	77	84.1	73	74	92	94	82
82	90	92	89	85	93	90	87	89	87	92	90.4	89	87	88	89	88
83	90	94	95	95	92	88	93	93	92	91	92.3	88	87	92	92	91
March																
1981	95	91	85	92	93	93	90	88	94	93	91.4	83	92	95	84	86
82	94	95	92	94	96	93	95	92	94	77	92.2	82	85	90	88	92
83	88	94	96	96	93	90	93	93	92	94	92.9	89	88	92	90	83
April																
1981	87	95	76	94	96	95	90	88	85	83	88.9	87	89	93	90	70
82	88	85	94	90	89	94	94	92	95	91	91.2	86	87	88	94	90
83	93	90	88	89	87	78	77	91	85	92	87.0	94	95	89	88	90
May																
1981	78	91	95	89	77	82	95	75	77	83	84.2	81	82	71	63	72
82	93	90	91	63	74	68	82	76	77	87	80.1	88	80	78	98	88
83	82	89	85	80	86	87	90	87	83	83	85.2	82	86	88	87	83
June																
1981	98	85	70	83	86	82	77	73	73	92	81.9	88	95	89	90	95
82	92	94	92	67	63	68	78	75	84	82	79.5	75	84	88	97	74
83	83	80	86	88	85	84	87	88	81	75	83.7	81	88	91	68	83
July																
1981	90	93	96	87	86	70	85	86	83	89	86.5	90	85	78	89	89
82	81	88	80	81	85	78	98	94	89	87	86.1	91	89	89	88	89
83	87	86	90	88	93	86	90	93	91	89	89.3	85	87	87	79	93
August																
1981	91	86	70	90	77	79	93	97	87	77	84.7	87	83	85	92	66
82	89	96	79	75	88	88	80	77	73	81	82.6	90	88	77	88	86
83	91	96	87	82	83	81	85	79	81	88	85.3	80	93	83	80	90
September																
1981	89	75	72	95	77	85	92	94	83	92	85.4	80	86	87	85	82
82	92	82	93	88	84	90	86	83	97	98	89.3	95	94	85	87	84
83	93	79	77	79	89	80	92	84	93	87	85.3	89	94	95	91	88
October																
1981	89	83	89	85	89	91	80	95	94	90	88.5	86	80	83	83	80
82	94	95	89	88	87	85	87	96	82	88	89.1	85	83	84	81	93
83	85	83	86	89	88	84	87	94	89	86	87.1	84	89	88	86	85
November																
1981	91	92	89	94	91	94	97	96	93	83	92.0	85	84	92	90	88
82	95	93	88	85	93	93	94	92	95	96	92.4	90	91	89	87	96
83	87	85	88	89	90	86	93	90	88	85	88.1	89	90	94	90	91
December																
1981	94	83	93	82	84	88	94	94	92	75	87.9	93	85	87	95	95
82	94	92	93	78	92	95	93	90	89	89	90.5	82	89	93	81	83
83	92	90	95	93	92	92	88	93	90	88	91.3	94	94	90	87	91

16	17	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
97	91	68	83	85	88.1	88	79	94	96	97	95	96	94	88	96	93	92.6	86.7
85	91	93	92	94	90.4	87	88	96	90	94	95	93	94	92	89	88	91.5	90.1
87	85	97	97	94	90.6	90	93	90	95	89	88	87	89	87	90	91	89.9	90.5
90	87	89	95	93	86.9	76	83	97	91	74	92	91	86				86.3	85.7
87	88	93	90	93	89.2	93	95	88	91	72	92	70	89				87.5	89.1
87	90	91	90	91	89.9	92	83	82	92	93	92	89	87				88.8	90.4
75	82	71	78	85	83.1	87	89	96	90	89	90	93	81	83	84	89	88.3	87.6
93	84	89	78	90	87.1	95	89	77	93	80	92	86	85	86	80	92	86.7	88.7
87	89	92	86	88	88.4	95	90	91	93	91	90	87	88	89	93	91	90.7	90.7
97	95	76	95	96	88.8	79	54	72	67	91	86	55	74	71	90		73.9	83.9
92	90	92	66	83	86.3	93	89	88	70	74	68	73	71	88	82		79.6	85.7
87	89	86	91	93	90.2	90	92	84	82	78	75	74	85	86	83		82.9	86.7
98	96	78	94	67	80.2	74	78	84	95	90	84	80	81	83	96	88	84.8	83.1
83	75	72	82	91	83.5	84	81	81	74	69	76	74	75	82	94	88	79.8	83.8
90	92	91	86	82	86.7	84	83	89	90	88	86	87	89	85	84	82	86.1	86.0
83	84	96	95	96	91.1	92	96	93	94	97	96	86	96	95	95		94.0	89.0
79	66	79	78	89	80.9	84	78	96	92	88	93	89	92	82	82		87.6	80.0
88	92	90	87	93	86.1	94	94	89	90	88	86	88	93	91	90		90.3	86.7
82	76	80	75	79	82.3	77	87	86	86	92	83	80	93	85	80	90	85.4	84.7
94	96	90	96	87	90.1	83	89	75	95	91	90	77	88	85	90	88	86.5	87.8
94	93	88	74	82	86.2	88	89	91	90	74	91	89	81	93	89	86	87.4	87.6
69	72	69	96	80	79.9	89	95	89	76	79	80	97	93	88	84	80	84.6	83.7
97	96	97	97	90	90.6	85	83	93	89	90	82	92	84	82	83	80	85.7	86.3
91	92	93	95	96	89.3	94	94	74	93	96	90	88	84	82	78	90	87.6	84.2
75	77	88	95	79	83.4	85	85	83	78	93	97	97	94	86	80		87.8	85.5
88	89	92	94	95	90.3	94	85	90	94	95	93	94	84	91	91		91.1	90.2
87	93	91	73	90	89.1	88	90	87	91	90	89	90	93	90	87		89.5	88.0
91	89	88	94	90	86.4	85	87	94	90	88	89	96	70	95	85	88	87.7	87.6
96	90	92	89	95	88.8	92	97	92	90	91	88	86	94	93	92	91	91.5	89.8
90	90	90	92	90	88.4	89	88	94	95	90	89	91	90	87	84	82	89.0	88.2
96	97	86	84	85	88.7	92	89	91	94	87	96	98	97	94	87		92.5	91.1
97	94	95	94	92	92.5	89	87	88	89	93	94	94	93	90	93		91.0	92.0
90	90	91	90	90	90.5	88	87	85	89	91	92	95	92	86	88		89.3	89.3
96	94	89	96	94	92.4	82	76	83	89	79	87	80	94	84	92	88	84.9	88.3
89	94	85	83	85	86.4	85	84	90	92	91	94	90	89	87	88	95	89.6	88.8
96	92	93	94	95	92.6	88	92	94	90	94	93	94	93	93	90	91	92.0	92.0

Table 10. Daily Duration of Sunshine (hours).

Date	1	2	3	4	5	6	7	8	9	10	上旬計	11	12	13	14	15
Year																
January																
1981	7.9	0.7	3.3	1.9	4.9	3.1	2.8	7.9	6.9	6.9	46.3	0	1.8	0	5.9	2.4
82	3.8	2.7	8.2	0	0	8.8	0	8.5	4.8	8.2	45.0	7.5	1.9	6.2	5.9	6.9
83	6.3	4.2	0	7.2	5.9	0	5.8	2.4	0	1.2	33.0	5.8	4.7	2.8	4.3	0
February																
1981	0	0	2.6	6.4	4.5	4.3	3.3	4.9	0	2.4	28.4	6.1	1.1	0	2.1	8.6
82	4.7	5.2	0	0	4.8	2.9	2.6	2.2	5.7	4.9	33.0	7.8	5.6	2.3	6.3	8.1
83	3.9	0	0	3.7	6.7	4.1	4.8	5.8	5.5	5.6	40.1	5.7	6.7	5.5	4.5	7.2
March																
1981	0	7.8	3.3	5.8	5.1	3.1	8.4	5.5	3.3	1.5	43.8	9.5	9.9	0	5.6	0
82	0	6.9	8.8	3.9	0	0	4.5	3.1	1.8	9.5	38.5	8.9	0	9.1	8.9	1.5
83	4.8	4.2	0	4.2	4.2	2.9	2.7	4.6	8.3	0	35.9	9.3	6.8	0	7.4	6.4
April																
1981	0	3.2	9.8	2.2	0	0	10.6	10.2	0	0	36.0	10.1	7.8	0	10.3	4.4
82	10.6	3.5	0	10.4	11.3	2.9	0	11.4	0	11.4	61.5	9.6	9.9	3.9	0	8.5
83	0	7.3	10.3	0	5.4	9.7	3.3	11.2	9.9	0	57.1	0	0	10.2	1.1	5.8
May																
1981	10.7	7.5	0	5.7	10.7	0	4.5	10.3	6.8	10.6	66.8	8.2	10.4	11.2	11.5	7.3
82	0	2.9	0	2.7	5.6	11.3	10.9	9.9	10.5	11.3	65.1	10.8	10.4	10.2	3.7	10.2
83	4.5	10.6	10.3	10.1	5.4	2.4	10.6	10.5	10.8	10.4	85.6	10.6	11.0	10.5	10.5	10.7
June																
1981	4.7	11.4	11.2	7.9	8.1	10.9	11.1	11.4	11.0	0	87.7	1.8	0	0	0	4.3
82	0	0	7.9	11.3	10.5	11.2	9.3	10.3	10.8	10.9	82.2	10.9	10.8	0	3.9	11.8
83	9.3	10.5	7.4	6.3	10.8	9.3	9.8	9.2	10.5	10.5	93.6	9.3	0	1.5	10.7	8.6
July																
1981	2.8	0	2.7	6.9	8.8	10.7	9.9	11.1	11.2	0	64.1	10.4	11.3	7.9	9.7	10.1
82	11.3	3.3	9.7	11.1	10.3	2.2	1.6	10.2	9.3	11.2	80.2	10.6	8.9	0.8	0	11.1
83	9.4	4.5	10.3	9.3	3.7	8.8	1.8	5.7	7.6	6.3	67.4	5.2	11.3	6.9	9.2	0
August																
1981	10.9	11.8	11.3	2.4	9.7	11.2	0	10.9	10.8	9.3	88.3	0	12.0	10.9	11.7	11.3
82	0	3.5	9.9	10.9	10.5	10.7	10.8	11.2	6.8	10.8	85.1	8.8	9.8	8.9	8.4	7.9
83	0	7.3	10.6	9.9	11.2	10.8	10.7	9.4	10.4	10.1	90.4	9.3	7.3	10.7	10.4	10.1
September																
1981	11.3	8.9	4.1	0	10.3	10.8	0	8.9	6.4	0	60.7	7.7	9.7	8.8	8.7	10.3
82	8.6	8.2	9.3	8.9	10.5	9.5	9.3	7.2	0	4.9	76.4	4.7	0	9.8	9.7	10.6
83	4.7	10.8	10.2	10.8	9.9	10.8	7.7	4.5	8.1	4.2	81.7	4.4	0	5.9	6.1	9.4
October																
1981	0	7.3	8.6	9.5	0	4.4	0	0	0	6.9	36.7	9.1	9.1	2.3	7.3	9.3
82	7.5	0	9.3	10.5	8.2	7.5	9.5	9.6	5.3	9.8	77.2	4.4	9.8	9.7	9.5	5.5
83	9.5	9.8	7.7	0	7.7	9.8	3.4	5.9	8.7	9.7	72.3	6.6	8.3	5.9	8.3	6.7
November																
1981	0	6.6	4.8	0	3.9	0	0	0	6.9	6.4	28.6	2.8	8.6	7.8	7.8	2.7
82	1.8	9.6	8.6	1.8	0	9.2	0	4.5	0	0	35.5	7.9	0	8.9	8.4	0
83	7.5	8.1	9.1	0	7.5	7.9	3.7	6.7	5.9	8.4	64.8	6.9	0	3.1	2.8	7.1
December																
1981	5.7	2.5	2.2	7.8	4.4	6.4	0	1.9	1.9	6.8	39.6	7.2	8.6	1.3	0	2.4
82	4.6	2.8	5.5	7.8	0	0	6.6	4.4	5.7	7.3	44.7	4.1	4.6	0	4.8	4.2
83	0	7.6	0	1.4	0	0	8.0	6.7	8.1	7.2	39.0	0	6.4	7.4	3.4	2.3

16	17	18	19	20	中旬計	21	22	23	24	25	26	27	28	29	30	31	下旬計	月合計
2.6	4.6	2.1	1.7	6.9	28.0	4.5	1.9	6.8	0	0	0	5.5	4.2	7.2	4.6	8.3	43.0	117.3
1.6	0	1.8	4.7	7.7	44.2	7.8	4.5	0	7.7	0	7.2	4.4	2.4	3.6	8.3	4.2	50.1	139.3
7.6	7.9	0	4.6	0	37.7	0	0	6.6	0	7.3	4.3	6.6	6.3	7.3	0	4.8	43.2	113.9
0	0	7.2	0	0	25.1	0	6.9	0	1.1	7.7	0.5	3.6	7.8				27.6	81.1
7.5	0	8.3	0	0	45.9	0	5.5	6.2	0	7.6	8.8	8.2	5.7				42.0	120.9
7.9	0	2.3	7.9	8.7	56.4	5.3	9.2	1.7	0	0	9.7	9.8	9.4				45.1	141.6
5.5	9.8	9.3	7.8	8.1	65.5	0	7.7	8.2	5.3	0	5.9	5.3	8.9	8.9	5.6	8.3	64.1	173.4
8.9	6.8	9.9	9.3	0	63.3	6.3	10.3	2.2	0	6.9	9.6	9.1	10.1	9.5	7.8	0	71.8	173.6
0	4.4	1.7	9.7	10.3	56.0	5.2	5.7	0	0	7.2	4.7	8.3	7.1	3.6	0	4.2	46.0	137.9
0	10.7	9.1	0	0	52.4	10.9	10.4	10.9	9.1	10.8	9.9	10.3	10.9	5.3	11.2		99.7	188.1
9.2	9.3	10.9	11.4	9.6	82.3	0	11.3	11.3	10.9	10.4	10.1	9.9	9.8	10.2	5.8		89.7	233.5
4.8	10.7	10.2	0	7.4	49.7	7.9	5.4	9.9	10.6	10.4	9.1	9.3	10.6	4.1	10.8		88.1	194.9
6.4	0	3.2	3.7	11.2	73.1	11.7	11.7	0	0	10.6	11.2	6.4	0	8.9	11.3	7.8	90.5	230.4
11.4	11.7	10.4	10.9	2.4	92.1	5.1	10.6	12.2	11.3	11.3	11.3	11.4	10.8	10.5	0	10.6	105.1	262.3
0	4.8	10.8	9.3	9.8	88.0	7.7	6.9	0	3.7	5.5	11.3	6.9	11.6	10.7	9.2	9.7	83.2	256.8
11.2	10.8	6.6	7.8	0	42.5	0	0	5.5	5.2	0	4.3	9.4	0	0	0		24.4	154.6
10.9	9.9	10.8	10.9	7.9	87.8	11.4	10.9	2.9	4.8	1.3	5.5	8.3	6.8	11.4	11.5		74.8	244.8
3.6	3.9	10.3	9.1	0	57.0	0	9.6	8.2	9.6	8.9	9.9	5.4	9.3	7.8	1.4		70.1	220.7
11.6	11.9	11.8	11.5	11.8	108.0	9.4	10.2	11.4	11.9	11.8	11.8	11.7	10.7	11.8	10.9	9.5	121.1	293.2
0	4.7	9.2	7.8	2.6	55.7	10.8	9.6	6.8	2.9	10.3	7.3	7.9	5.5	6.2	8.3	7.7	83.3	219.2
0	0	9.7	10.4	0	52.7	2.7	0	0	5.6	10.8	11.4	10.9	10.8	6.5	11.3	11.2	81.2	201.7
11.6	10.6	10.7	5.8	10.8	95.4	10.2	0	11.6	10.2	8.9	7.2	0	8.3	3.9	9.1	10.1	79.5	263.2
3.2	0	0	2.2	4.4	53.6	8.3	4.4	5.1	5.7	7.4	6.8	0	10.7	10.9	8.9	9.8	78.0	216.7
7.4	4.5	0	0	0	59.7	2.8	1.6	10.6	0	0	10.6	7.7	7.7	10.7	10.1	8.8	70.6	220.7
10.7	10.8	6.7	0	10.2	83.6	8.1	9.6	10.3	6.6	8.9	0	0	0	10.5	7.6		61.6	205.9
8.2	9.8	3.3	0	0	56.1	4.2	6.8	9.3	0	6.9	0	3.1	1.8	9.3	9.1		50.5	183.0
9.3	9.8	10.2	9.4	0	64.5	0	4.3	6.3	0	0	0	0	0	5.6	8.7		24.9	171.7
8.9	8.7	4.9	0	7.4	67.0	0	5.9	4.7	7.3	8.9	5.8	9.7	6.8	9.3	6.9	6.4	71.7	175.4
2.2	7.6	2.7	9.9	2.2	63.5	7.8	4.9	7.5	3.4	0	8.9	8.8	10.3	9.7	9.8	10.6	81.7	224.4
8.3	5.6	7.2	0	2.7	59.5	5.8	4.9	0	5.5	8.6	2.1	7.3	5.4	8.3	9.6	2.3	59.8	191.7
2.1	0	9.4	7.4	7.5	56.1	2.1	3.6	0	4.6	2.4	0	2.2	0	5.7	3.4		24.0	108.7
7.8	5.9	8.3	7.4	8.6	63.2	8.4	7.4	5.3	1.1	4.2	0	0	6.9	0	0		33.0	132.0
6.8	3.4	7.4	0	7.3	44.8	6.2	5.9	6.7	5.5	0	0	0	7.9	7.4	7.3		46.9	156.5
1.6	6.8	7.4	0	1.9	37.2	4.9	7.2	2.5	1.9	7.9	7.4	6.4	7.5	6.2	0	5.7	57.6	134.4
2.5	0	7.4	6.8	4.9	39.3	6.6	5.1	4.2	5.7	4.4	0	1.7	6.9	2.4	2.1	0	39.1	123.1
4.6	0	3.5	2.9	5.1	35.6	6.7	0	0	7.3	0	2.1	4.6	3.2	0	8.3	0	32.2	106.8

1981 : 2,125.7  
 1982 : 2,270.8  
 1983 : 2,113.9



16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
26 3	28 47	23 42	19 55	21 49 2	17 38	23 30 18	21 19 26	15 8 19	6	13	31	25 45	17 68	14 63	10 56	
12	9 7	5			6				15	5	17	27				
		13														
16	11	8	7													
		22	16							15	78	62	58	54	49	43