

Meteorological Data No. 29 (1980)

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I. Contents :

Monthly meteorological data from January to December.

II. Notes :

The observation field is an unplanted sand field at the Sand Dune Research Institute, (Location: 35° 32' N, 134° 13' E, Height above sea level: 23m).

Following notations are used in the tables.

- (1) **T** Temperature in 24 hours from 9:00 a. m. daily (°C)
 - T₉** recorded at 9:00 a. m.
 - T_x** daily maximum
 - T_n** daily minimum
 - T_r** range (T_x-T_n)
 - T_m** mean (T_x+T_n)/2
- (2) **H₉** Humidity (relative) recorded at 9:00 a. m. (%)
- (3) **S** Sunshine duration daily total hours (hrs)
- (4) **R** Solar radiation daily amount (ly/day)
- (5) **P** Precipitation amount in 24 hours from 9:00 a. m. daily (mm)
- (6) **E** Evaporation amount in 24 hours from 9:00 a. m. daily (mm)
- (7) **d** Most frequent daily wind direction
- (8) **V** Daily mean wind velocity (m/sec)
- (9) **T_s** Soil temperature recorded at 9:00 a. m. daily (°C)
(Measurement depth: 0, 5, 10, 20, 30, 50 and 100 cm)
- (10) **Snow** Depth of snow cover recorded at 9:00 a. m. (cm)
- (11) **Nt** Cloud amount observed at 9:00 a. m. (0~10)
- (12) **Weather** Weather observed at 9:00 a. m.
 - : clear **Nt** < 2 ⊕ : fine 2 ≤ **Nt** ≤ 8
 - ⊙ : cloudy **Nt** > 8 ● : rain
 - ⊗ : snow

Time used in this notes are Japanese local standard time (G. M. T. +9hrs).

Mark with Σ in the following tables means sum value, \times means lack of data and

- means zero.

Monthly Meteorological Data

January (1980)

Date	Items		Temperature					H9	S	R	P	E	Wind		Soil Temperature (Ts)							Snow	Nt	Weather
	T9	Tx	Tn	Tr	Tm	d	V						0	5	10	20	30	50	100					
																				0	5			
1	6.4	6.9	4.8	2.1	5.9	58	0	62.2	—	1.0	ENE	3.2	4.5	5.0	5.2	6.4	7.5	8.0	10.2	10	☉			
2	3.8	13.5	-0.9	14.4	6.3	68	0.6	82.1	8.4	0.3	SSW	1.0	2.2	2.0	2.5	4.5	6.2	8.0	10.8	9	☉			
3	12.5	18.7	3.6	15.1	11.2	86	6.0	210.5	11.3	2.1	NNE	2.0	13.0	9.0	7.4	7.6	8.0	8.1	10.5	8	☉			
4	10.2	10.4	10.0	0.4	10.2	95	0	22.5	31.4	1.2	NE	3.9	10.1	10.5	10.4	10.5	10.5	9.8	10.4	10	☉			
5	3.3	6.2	2.4	3.8	4.3	88	1.1	80.1	3.1	0.6	S	3.8	3.5	4.5	6.5	7.1	8.5	9.0	10.2	10	●			
6	5.8	9.5	0.2	9.3	4.9	86	2.0	110.5	5.5	1.1	W	3.6	2.5	1.3	2.3	4.2	6.5	9.0	10.2	8	☉			
7	0.6	3.3	-0.2	3.5	1.6	75	1.1	71.5	22.0	0.0	W	X	1.1	2.5	3.6	5.5	6.7	7.5	10.0	10	☉			
8	1.1	2.1	-1.4	3.5	0.4	95	0.2	56.4	14.6	X	X	2.6	0.1	1.1	2.0	3.4	5.0	6.5	10.0	10	☉			
9	1.5	5.0	-0.4	5.4	2.3	83	0	108.4	0.7	0.7	SSE	2.5	0.5	1.2	1.6	2.9	4.3	6.0	9.9	10	☉			
10	5.4	9.0	0.4	8.6	4.7	77	5.8	244.9	9.0	0.5	W	4.1	0.4	1.1	1.5	2.5	3.8	5.3	9.0	3	☉			
10 days av.	5.1	8.5	1.9	6.6	5.2	81	Σ16.8	Σ1,049.1	Σ106.0	Σ7.5		3.0	3.8	3.8	4.3	5.5	6.7	7.7	10.1					
11	0.1	4.5	-0.3	4.8	2.1	96	0	41.7	4.7	0.9	W	3.4	0.1	0.9	1.4	2.5	3.5	5.0	8.9	10	☉			
12	2.6	8.8	-1.8	10.6	3.5	65	5.9	216.9	5.6	1.3	S	2.8	-0.1	0.6	1.1	2.1	3.3	4.8	8.2	5	○			
13	2.8	9.5	0.8	8.7	5.2	99	1.9	106.4	4.4	0.4	S	2.6	2.0	1.8	1.6	2.4	3.2	4.5	8.0	2	●			
14	1.4	2.4	-0.6	3.0	0.9	90	0.5	40.9	4.4	X	W	4.6	0.1	1.1	1.6	3.0	3.9	4.4	7.8	1	☉			
15	1.0	5.6	-2.2	7.8	1.7	82	3.6	193.1	5.2	1.2	W	4.4	0.0	0.5	1.2	1.6	3.0	4.1	7.5	5	☉			
16	1.7	4.7	-2.4	7.1	1.2	79	0.8	112.0	1.9	0.6	W	4.9	0.0	0.5	1.0	2.0	2.8	4.0	7.2	6	☉			
17	2.1	5.0	-2.0	7.0	1.5	80	2.4	138.8	7.2	0.8	WNW	5.7	0.0	0.6	1.0	1.9	2.7	3.9	7.0	8	☉			
18	4.1	6.7	-2.6	9.3	2.1	58	3.4	111.7	—	1.4	NW	6.2	0.1	0.6	1.0	1.8	2.6	3.9	6.9	10	☉			
19	3.0	7.6	-0.8	8.4	3.4	71	2.0	144.6	0.4	2.0	S	3.7	1.0	0.7	1.0	1.7	2.6	3.9	6.8	2	☉			
20	5.0	9.0	1.2	7.8	5.1	60	2.3	122.4	12.8	X	SSW	4.1	1.7	1.9	1.9	2.5	3.2	3.9	6.8	7	☉			
10 days av.	2.4	6.4	-1.1	7.5	2.7	78	Σ22.8	Σ1,228.5	Σ46.6	Σ8.6		4.2	0.5	0.9	1.3	2.2	3.1	4.2	7.5					
21	1.6	3.5	-2.6	6.1	0.5	76	2.0	118.3	24.0	X	W	4.7	0.1	0.9	1.4	2.5	3.4	4.0	6.8	20	☉			
22	0.4	0.9	-3.3	4.2	-1.2	96	0	26.8	27.4	X	SSE	2.3	0.1	0.6	1.0	2.0	2.7	4.0	6.8	35	☉			
23	1.4	7.0	-2.9	9.9	2.1	80	3.9	160.2	5.5	1.0	SSE	2.7	0.0	0.7	1.0	1.6	2.5	3.6	6.5	48	☉			
24	5.3	5.5	0.3	5.2	2.9	69	0	46.5	13.5	X	S	2.6	0.7	1.3	1.1	1.8	2.4	3.7	6.2	25	☉			
25	2.3	5.4	-0.4	5.8	2.5	92	1.5	144.8	1.3	2.0	S	1.6	0.5	0.7	0.8	1.5	2.3	3.1	6.1	20	☉			
26	1.7	10.9	-2.5	13.4	4.2	76	6.8	261.6	0.2	1.2	SSE	1.9	0.4	0.0	0.6	1.5	2.5	3.2	6.0	18	☉			
27	5.4	12.2	-1.7	13.9	5.3	67	0.2	76.6	0.4	0.8	S	3.6	2.3	0.6	1.0	2.0	3.0	3.7	5.9	15	☉			
28	10.1	11.8	4.7	7.1	8.3	78	0	71.8	2.4	0.4	S	1.4	7.9	6.2	4.7	4.6	4.6	4.5	5.9	9	☉			
29	9.7	11.0	5.2	5.8	8.1	92	0	49.8	8.8	0.5	NE	2.7	8.4	7.8	4.6	6.0	5.8	5.5	6.1	10	☉			
30	7.3	10.1	5.2	4.9	7.7	92	0	75.8	—	1.0	WSW	4.1	8.3	7.1	6.4	6.5	6.0	6.3	6.3	10	☉			
31	1.0	4.3	-3.1	7.4	0.6	95	6.1	232.5	—	2.2	WSW	X	0.0	1.4	2.2	3.6	5.1	6.0	6.2	10	☉			
11 days av.	4.2	7.5	-0.1	7.6	3.7	83	Σ20.5	Σ1,264.7	Σ83.5	Σ9.1		2.8	2.6	2.5	2.3	3.1	3.7	4.3	6.3					
Monthly av.	3.9	7.5	0.2	7.2	3.9	81	Σ60.1	Σ3,542.3	Σ236.1	Σ25.2		3.3	2.3	2.4	2.6	3.5	4.5	5.4	7.9					

Monthly Meteorological Data

February (1980)

Items Date		Temperature						H9	S	R	P	E	Wind		Soil Temperature (Ts)							Snow	Nt	Weather
		T9	Tx	Tn	Tr	Tm	V						d	0	5	10	20	30	50	100				
																					0			
1	1.1	4.8	-3.4	8.2	0.7	54	6.7	262.9	0.1	3.6	SW	X	0.0	0.5	1.3	2.6	4.3	5.1	6.3	8	☉			
2	1.4	6.4	-1.8	8.2	2.3	73	5.9	227.5	0.4	2.4	SW	4.3	0.4	0.8	1.5	3.0	4.2	5.1	6.2	10	☉			
3	4.0	6.6	-1.2	7.8	2.7	44	5.1	212.1	—	1.9	W	3.8	5.5	1.8	1.8	3.2	4.2	5.0	6.3	6	☉			
4	3.8	8.4	-0.2	8.6	4.1	61	4.9	209.3	0.5	2.0	WSW	X	4.5	2.6	3.6	4.6	5.2	6.4	10	☉				
5	-1.4	5.0	-2.4	7.4	1.3	100	4.1	169.6	13.3	X	WSW	X	0.4	1.8	2.7	4.0	5.0	5.3	6.2	10	☉			
6	-2.0	0.5	-4.0	4.5	-1.8	100	0.3	51.3	15.5	X	WSW	X	0.2	1.0	1.7	3.0	4.2	5.0	6.1	15	☉			
7	-0.4	3.9	-4.2	8.1	-0.2	100	2.6	175.4	8.4	1.9	S	X	0.0	1.0	1.4	2.3	3.1	4.5	6.5	24	☉			
8	0.2	7.0	-4.5	11.5	1.3	100	8.1	284.1	1.3	2.2	W	X	0.0	0.7	1.1	2.0	2.8	4.0	6.2	8	☉			
9	-1.6	3.2	-2.8	6.0	0.2	82	0.7	91.7	7.3	0.9	W	X	0.0	0.9	1.1	1.9	2.5	3.5	6.2	13	☉			
10	2.6	7.3	-2.8	10.1	2.3	83	5.0	258.1	1.0	1.8	S	X	0.0	0.7	1.0	1.8	2.5	3.3	6.0	18	☉			
10 days av.	0.8	5.3	-2.7	8.0	1.3	80	Σ43.4	Σ1,942.0	Σ47.8	Σ16.7			1.1	1.2	1.6	2.7	3.7	4.6	6.2					
11	3.4	4.2	0.4	3.8	2.3	68	4.7	255.0	3.5	1.7	W	X	0.2	0.7	0.9	1.6	2.3	3.2	5.9	10	☉			
12	0.8	7.7	-0.4	8.1	3.7	95	3.8	185.7	0.4	1.2	SW	X	0.1	0.7	1.0	1.9	2.5	3.3	5.9	7	☉			
13	3.5	6.8	-0.2	7.0	3.3	70	3.3	154.4	6.2	0.8	W	X	0.2	0.7	1.1	2.1	2.8	3.5	5.8	1	☉			
14	1.0	6.4	-1.6	8.0	2.4	83	5.6	205.7	4.2	1.6	W	3.5	0.0	0.7	1.0	2.0	2.6	3.4	5.6	6	☉			
15	0.2	3.6	-1.6	5.2	1.0	93	1.3	98.3	3.6	0.4	W	4.3	0.0	0.8	1.2	2.0	2.6	3.3	5.3	6	☉			
16	1.6	4.7	-1.7	6.4	1.5	83	1.4	145.1	2.5	2.5	S	3.8	0.0	0.6	0.9	1.5	2.3	3.2	5.2	4	☉			
17	1.0	6.7	-3.5	10.2	1.6	76	2.0	119.6	—	1.6	NNW	3.7	0.0	0.6	0.8	1.5	2.2	3.0	5.2	3	☉			
18	2.5	8.8	-0.4	9.2	4.2	68	2.9	171.6	7.0	1.4	S	1.9	0.2	0.7	1.0	1.6	2.5	3.3	5.2	10	☉			
19	3.0	8.2	0.4	7.8	4.3	94	0.4	82.4	1.2	0.3	SSW	1.7	3.3	3.5	3.3	3.7	4.1	4.1	5.3	10	☉			
20	6.6	8.9	2.2	6.7	5.6	68	0.9	124.6	6.0	0.7	NE	2.0	6.2	4.4	3.7	4.1	4.6	4.5	5.3	10	☉			
10 days av.	2.4	6.6	-0.6	7.2	3.0	80	Σ26.3	Σ1,542.4	Σ34.6	Σ12.2			3.0	1.0	1.3	1.5	2.2	2.9	3.5	5.5				
21	2.2	6.6	-0.2	6.8	3.2	87	1.3	140.5	2.3	0.8	NE	2.1	2.4	2.6	2.7	4.6	5.5	5.0	5.9	10	☉			
22	5.4	8.4	-0.2	8.6	4.1	44	8.6	346.5	—	3.5	SSE	2.4	2.8	2.2	2.1	3.0	4.2	5.0	6.2	7	☉			
23	2.7	12.8	-3.1	15.9	4.9	66	3.0	183.0	—	2.2	S	2.7	0.6	0.6	1.7	3.4	4.6	5.2	6.0	10	☉			
24	9.2	12.8	1.0	11.8	6.9	65	9.1	316.7	—	3.7	X	2.5	6.0	5.0	3.9	4.6	5.4	5.8	6.0	6	☉			
25	8.4	10.8	4.8	6.0	7.8	47	9.2	359.2	—	4.1	NE	3.4	7.9	6.4	6.1	6.7	7.2	6.5	6.3	4	☉			
26	9.1	9.3	-0.4	9.7	4.5	55	0	56.9	8.6	X	S	2.5	8.4	6.5	6.0	6.6	7.2	7.1	6.9	10	☉			
27	6.5	8.2	3.0	5.2	5.6	74	X	140.8	—	1.0	NE	2.5	6.5	6.1	5.8	6.3	6.8	7.0	7.0	10	☉			
28	6.0	11.0	-1.1	12.1	5.0	70	5.2	244.7	—	0.8	SSE	1.9	4.8	4.0	3.3	4.7	6.2	6.9	7.2	0	☉			
29	7.6	16.8	-0.4	17.2	8.2	55	10.2	363.7	13.9	X	SSE	2.7	4.1	3.3	3.1	4.8	6.3	6.8	7.1	4	☉			
9 days av.	6.3	10.7	0.4	10.4	5.6	63	Σ46.6	Σ2,152.0	Σ24.8	Σ16.1			2.5	4.8	4.1	3.9	5.0	5.8	6.1	6.5				
Monthly av.	3.0	7.4	-1.0	8.5	3.2	74	Σ116.3	Σ5,636.4	Σ107.2	Σ45.0			2.2	2.1	2.3	3.2	4.1	4.7	6.1					

Monthly Meteorological Data

March (1980)

Date	Items		Temperature					H ₉	S	R	P	E	Wind		Soil Temperature (T _s)							Snow	Nt	Weather
	T ₉	T _x	Temperature			T _m	d						V	0	5	10	20	30	50	100				
			T _n	T _h	Tr																			
1	8.0	8.2	6.0	2.2	7.1	87	0	35.6	5.4	1.4	NNE	3.9	8.5	8.3	8.0	8.2	8.5	7.8	7.5	10	●			
2	6.4	12.8	2.4	10.4	7.6	86	9.3	375.1	—	3.7	NE	2.5	7.0	5.5	5.8	5.0	6.3	7.5	8.0	7	○			
3	6.5	12.3	-2.4	14.7	5.0	53	8.8	328.3	—	2.7	S	×	5.7	4.9	3.3	5.0	6.6	7.2	7.8	7	○			
4	5.7	10.1	-0.3	10.4	4.9	68	0.4	133.5	—	1.7	NE	3.2	7.5	4.5	4.0	5.4	6.7	7.3	8.0	10	○			
5	5.1	10.1	1.2	8.8	5.5	71	5.7	255.8	—	2.5	NE	2.0	6.8	5.4	5.0	6.0	6.9	7.1	7.9	10	○			
6	7.0	11.6	-1.8	13.4	4.9	59	8.8	361.9	2.4	3.1	S	2.2	12.0	6.5	4.6	5.8	7.1	7.5	7.8	4	○			
7	6.0	10.6	1.4	9.2	6.0	94	0	59.1	14.0	0.3	NNE	2.0	6.9	7.0	6.7	7.5	8.0	7.9	8.0	10	●			
8	9.7	10.4	5.2	5.2	7.8	57	9.8	391.8	3.7	3.1	NE	3.1	15.3	9.5	7.1	7.4	8.0	8.0	8.0	7	○			
9	9.2	15.2	3.1	12.1	9.2	93	1.3	90.0	6.3	1.5	WNW	4.6	8.5	8.4	8.0	8.5	9.0	8.5	8.0	10	●			
10	8.3	10.4	6.3	4.1	8.4	76	2.7	203.7	—	2.6	N	5.1	9.3	8.7	8.5	9.1	9.5	8.9	8.5	10	○			
10 days av.	7.2	11.2	2.1	9.1	6.6	74	Σ46.8	Σ2,234.8	Σ31.8	Σ23.2		3.2	8.8	6.9	6.1	6.8	7.7	7.8	8.0					
11	4.7	7.8	2.3	5.5	5.1	62	2.3	200.7	—	2.4	NNE	3.7	9.0	6.3	5.7	7.0	8.3	8.4	8.5	9	○			
12	5.0	9.0	1.5	7.5	5.3	46	8.1	335.7	—	3.2	S	2.6	11.8	6.4	5.1	6.2	7.6	8.1	8.8	6	○			
13	6.2	10.2	-2.4	12.6	3.9	54	9.9	416.8	5.9	3.3	NE	2.6	12.0	6.9	4.5	6.0	7.7	8.5	8.9	8	○			
14	6.4	11.8	2.2	9.6	7.0	92	1.2	129.9	1.2	1.9	NNE	3.4	8.0	7.4	7.1	8.0	8.9	8.8	8.9	10	●			
15	7.6	11.0	1.8	9.2	6.4	75	5.6	261.8	1.3	1.5	S	2.7	13.5	7.5	5.3	6.5	7.9	8.5	8.9	3	○			
16	7.7	14.2	-0.8	15.0	6.7	56	9.1	402.4	—	3.8	S	2.5	12.1	6.6	4.3	5.6	7.5	8.3	8.9	2	○			
17	9.3	14.8	2.0	12.8	8.4	63	8.8	377.4	0.3	3.7	NNE	1.9	12.5	8.1	6.4	7.4	8.6	8.9	8.9	7	○			
18	5.5	8.0	1.8	6.2	4.9	71	0.2	141.3	—	1.0	NE	4.1	7.2	7.3	7.5	8.6	9.5	9.2	9.0	10	○			
19	6.1	11.2	-1.4	12.6	4.9	56	8.5	418.8	—	3.7	S	2.3	16.2	7.4	4.8	6.0	7.5	8.5	9.0	7	○			
20	12.7	17.0	1.2	15.8	9.1	50	9.6	406.9	2.5	4.9	ENE	1.8	18.0	9.5	4.5	6.4	7.2	8.6	9.0	6	○			
10 days av.	7.1	11.5	0.8	10.7	6.2	63	Σ63.3	Σ3,091.7	Σ11.2	Σ29.4		2.8	12.0	7.3	5.5	6.8	8.1	8.6	8.9					
21	10.2	12.7	7.1	5.6	9.9	67	7.0	319.5	12.5	3.4	NE	3.8	14.9	12.1	10.3	10.8	10.9	10.0	9.1	7	○			
22	3.4	6.8	1.4	5.4	4.1	91	0	67.0	16.3	0	NNE	4.0	5.4	6.1	7.3	9.4	10.5	10.1	9.2	10	●			
23	6.7	10.0	2.2	7.8	6.1	65	6.1	296.7	—	2.9	NNW	2.8	10.5	6.5	5.6	6.6	8.0	8.8	9.5	9	○			
24	5.6	11.4	-0.1	11.5	5.7	73	3.5	252.0	4.8	2.0	S	×	12.1	8.5	6.2	7.1	8.5	9.0	9.3	10	○			
25	9.7	11.7	0.9	10.8	6.3	61	7.3	307.8	—	2.5	S	2.0	16.0	10.3	7.0	7.4	8.6	9.1	9.5	6	○			
26	11.6	14.0	1.6	12.4	7.8	57	6.7	311.9	—	3.1	WNW	3.6	16.5	9.8	6.6	7.5	8.9	9.5	9.3	10	○			
27	10.9	14.4	0.2	14.2	7.3	58	10.5	465.3	—	4.6	S	2.1	17.0	9.6	6.5	7.5	9.1	9.2	9.3	0	○			
28	14.9	19.1	0.8	18.3	10.0	37	9.5	420.6	—	4.9	S	2.2	22.8	11.6	7.8	8.5	9.8	10.0	9.5	5	○			
29	15.3	15.8	6.5	9.3	11.2	57	0	101.1	31.3	1.3	NE	2.5	16.9	12.8	11.0	11.1	11.5	10.9	9.9	10	○			
30	12.0	16.4	9.3	7.1	12.9	85	7.2	378.4	—	3.8	S	1.9	15.4	13.0	11.2	11.0	11.3	10.8	10.0	10	○			
31	11.6	22.2	5.0	17.2	13.6	71	0.6	130.7	37.4	3.0	W	1.8	12.4	10.7	10.1	11.0	12.1	11.9	10.0	10	○			
11 days av.	10.2	14.0	3.2	10.9	8.6	66	Σ58.4	Σ3,051.0	Σ102.3	Σ31.5		2.7	14.5	10.1	8.1	8.9	9.9	9.9	9.5					
Monthly av.	8.2	12.3	2.1	10.2	7.2	68	Σ168.5	Σ8,377.5	Σ145.3	Σ84.1		2.9	11.9	8.2	6.6	7.5	8.6	8.8	8.8					

Monthly Meteorological Data

April (1980)

Date	Items		Temperature							H9	S	R	P	E	Wind		Soil Temperature (Ts)							Snow	Nt	Weather
	Date	Items	T9	Tx	Tn	Tr	Tm	d	V						0	5	10	20	30	50	100					
			10 days av.	13.7	18.5	6.7	11.8								12.6	68	Σ62.4	Σ2,935.5	Σ39.8	Σ42.7	4.1	18.6	13.5			
1	9.4	12.2	8.2	4.0	10.2	93	0.7	75.1	4.2	0.8	S	3.3	11.1	11.1	11.7	12.2	11.9	10.3	10	●						
2	10.9	12.5	0.8	11.7	6.7	68	3.1	221.9	—	2.1	N	2.7	16.4	10.1	11.5	7.2	9.5	10.8	10	☉						
3	9.8	17.1	-0.6	17.7	8.3	53	11.2	529.0	—	5.7	S	3.3	18.2	10.0	5.9	6.7	8.7	10.0	0	○						
4	17.2	24.2	7.6	16.6	15.9	48	11.1	446.1	—	7.7	S	4.6	24.5	14.5	10.4	10.3	11.0	10.0	0	○						
5	18.1	23.2	10.7	12.5	17.0	68	8.8	343.7	—	4.8	SSW	6.6	27.9	18.0	13.9	13.4	13.5	12.5	10.9	7	⊖					
6	22.6	23.5	15.2	8.3	19.4	77	1.6	97.3	26.7	6.8	NNW	6.6	26.5	20.0	16.4	15.3	14.8	14.0	11.8	7	⊖					
7	8.6	17.6	6.4	11.2	12.0	68	4.3	285.1	—	3.0	SSW	3.0	9.8	9.6	10.1	11.6	12.9	13.0	11.1	10	☉					
8	17.4	23.8	2.8	21.0	13.3	58	10.7	413.8	1.2	5.2	S	3.3	23.0	15.8	10.8	10.6	11.8	12.8	11.8	0	○					
9	12.6	12.8	11.1	1.7	12.0	93	0	37.2	7.7	1.4	NE	3.2	13.6	14.0	14.0	14.5	14.5	13.3	11.7	10	●					
10	10.4	18.1	5.1	13.0	11.6	54	10.9	486.3	—	5.2	E	4.0	15.1	12.0	9.4	10.0	14.2	12.1	11.8	8	☉					
10 days av.	13.7	18.5	6.7	11.8	12.6	68	Σ62.4	Σ2,935.5	Σ39.8	Σ42.7		4.1	18.6	13.5	11.4	11.1	12.3	12.0	11.1							
11	18.1	22.4	2.2	20.2	12.3	39	10.8	428.2	—	7.3	SSW	4.7	24.5	15.3	10.1	10.4	11.9	12.5	11.9	6	⊖					
12	14.4	21.7	15.1	6.6	18.4	48	0	153.2	15.0	2.4	S	4.6	20.5	17.6	15.6	15.1	14.9	13.5	11.9	10	☉					
13	17.6	21.4	13.2	8.2	17.3	82	0	121.3	23.6	0.8	NNW	2.4	19.9	18.0	15.6	15.1	15.0	14.0	12.0	10	☉					
14	8.0	8.1	7.1	1.0	7.6	95	0	53.1	13.4	0.0	NE	4.1	9.5	11.0	12.0	13.5	14.4	14.0	12.3	10	●					
15	6.8	9.8	4.8	5.0	7.3	89	0	71.0	3.1	0.6	S	2.6	8.6	8.5	8.6	9.8	11.3	12.2	12.3	10	●					
16	9.3	13.1	1.7	11.4	7.4	70	8.2	378.4	6.5	3.3	E	2.9	19.4	13.4	8.4	8.3	9.7	11.0	12.0	5	⊖					
17	8.6	13.0	4.8	8.2	8.9	87	7.4	342.2	—	3.4	S	1.8	12.1	10.6	9.8	10.5	11.5	11.5	11.9	10	☉					
18	11.9	19.2	-0.2	19.4	9.5	42	11.9	401.9	—	7.0	S	3.3	21.4	13.0	8.2	8.8	10.8	12.0	11.9	0	○					
19	19.2	24.1	10.1	14.0	17.1	50	11.3	448.4	—	10.9	S	7.8	26.4	18.0	14.4	13.6	13.7	13.0	11.9	7	⊖					
20	19.8	21.0	16.4	4.6	18.7	57	0.2	98.6	2.0	1.3	SSE	5.2	20.7	17.4	16.5	16.4	16.0	14.2	12.0	10	☉					
10 days av.	13.4	17.4	7.5	9.9	12.5	66	Σ49.8	Σ2,486.3	Σ63.6	Σ37.0		3.9	18.3	14.3	11.9	12.2	12.9	12.8	12.0							
21	14.4	17.6	8.6	9.0	13.1	56	10.0	404.9	—	5.4	S	2.3	19.5	16.1	13.2	13.5	14.1	14.0	12.3	10	☉					
22	16.0	19.0	5.5	13.5	12.3	44	9.6	449.4	—	5.7	S	2.1	23.9	16.4	12.9	13.5	14.5	14.3	12.8	7	⊖					
23	16.5	16.8	5.7	11.1	11.3	52	3.8	242.6	—	2.2	W	3.4	23.3	16.8	14.0	14.5	15.3	14.9	13.0	10	☉					
24	13.6	17.0	1.7	15.3	9.4	46	10.8	455.5	—	6.0	NW	2.2	20.0	15.0	10.3	11.0	12.8	13.8	13.0	5	○					
25	12.4	15.6	4.1	11.5	9.9	48	12.0	523.2	—	6.3	S	2.0	26.6	17.4	13.6	14.0	14.7	13.8	13.0	4	⊖					
26	14.6	17.9	1.1	16.8	9.5	37	11.3	506.5	—	5.6	SSE	×	26.8	16.0	17.0	13.0	14.5	14.5	13.0	0	○					
27	17.0	17.7	2.0	15.7	9.9	48	0	108.9	2.0	2.4	SSW	×	20.2	15.0	13.5	14.3	15.3	15.0	13.0	8	☉					
28	13.2	14.6	11.0	3.6	12.8	63	0.1	203.5	—	2.4	N	×	13.9	13.6	13.0	13.6	14.2	14.1	13.1	10	☉					
29	13.8	16.8	3.8	13.0	10.3	63	12.3	519.1	0.7	5.4	NE	×	23.8	17.2	11.9	12.2	13.6	13.9	13.1	2	○					
30	14.6	14.8	6.5	8.3	10.7	90	0	100.6	9.2	0.6	S	2.3	16.3	15.0	14.5	15.0	15.5	14.8	13.2	10	●					
10 days av.	14.6	16.8	5.0	11.8	10.9	55	Σ69.9	Σ3,514.2	Σ11.9	Σ42.0		2.4	21.7	15.9	13.4	13.5	14.5	14.3	13.0							
Monthly av.	13.9	17.6	6.4	11.1	12.0	63	Σ182.1	Σ8,946.0	Σ115.3	Σ121.7		3.6	19.5	14.5	12.2	12.2	13.2	13.0	12.0							

Monthly Meteorological Data

May (1980)

Date	Temperature					H ₉	S	R	P	E	Wind		Soil Temperature (T _s)							Snow	Nt	Weather
	T ₉	T _x	T _n	T _r	T _m						d	V	0	5	10	20	30	50	100			
1	10.2	16.6	6.9	9.7	11.8	93	8.1	387.0	—	4.5	S	2.7	10.5	11.1	11.3	12.4	13.6	13.6	13.1	10	●	
2	15.0	22.6	3.0	19.6	12.8	29	12.7	506.5	—	7.8	S	3.3	23.6	16.6	11.4	11.5	13.3	14.0	13.1	0	○	
3	22.0	27.0	9.0	18.0	18.0	98	12.3	520.7	—	10.4	S	3.7	31.0	21.0	15.0	14.4	15.2	14.8	13.5	1	○	
4	23.2	26.9	16.6	10.3	21.8	69	5.3	300.8	7.0	4.7	S	4.1	33.8	24.5	19.5	18.2	15.0	15.0	14.0	2	○	
5	18.3	22.5	13.8	8.7	18.2	46	5.2	274.7	—	5.0	S	×	22.8	20.5	18.1	18.1	18.3	17.0	14.0	10	◎	
6	15.0	18.6	11.4	7.2	15.0	55	9.0	400.4	—	5.8	NW	×	21.0	17.0	14.9	15.5	16.6	16.2	14.1	9	◎	
7	14.2	17.6	5.6	12.0	11.6	53	11.6	443.1	—	5.5	NE	3.3	24.5	18.6	15.0	15.3	16.3	16.1	14.3	8	◎	
8	17.5	20.6	7.0	13.6	13.8	52	2.0	222.4	36.9	2.5	SSW	4.1	20.5	17.6	15.1	15.1	16.1	16.0	14.8	10	◎	
9	13.8	18.4	11.0	7.4	14.7	96	0	139.8	7.6	0.5	NE	2.4	16.6	15.6	14.4	15.0	15.5	15.5	14.3	10	●	
10	19.0	23.9	9.8	14.1	16.9	89	11.5	499.7	—	7.2	S	2.1	22.5	21.2	15.7	14.6	15.1	16.0	15.0	0	○	
10 days av.	16.8	21.5	9.4	12.1	15.5	68	Σ77.7	Σ3,695.1	Σ51.5	Σ53.9		3.2	22.7	18.4	15.0	15.0	15.5	15.4	14.0			
11	23.8	27.1	12.0	15.1	19.6	32	12.5	491.9	—	7.8	SSE	1.8	33.5	23.7	18.0	17.0	17.5	17.0	14.5	0	○	
12	26.8	29.6	12.4	17.2	21.0	27	4.9	276.3	6.0	4.2	SSW	4.2	32.3	24.5	19.6	18.5	18.9	18.0	15.0	8	◎	
13	20.1	25.0	15.2	9.8	20.1	72	6.5	314.4	—	4.2	W	3.1	23.1	21.5	19.1	18.5	18.6	18.0	15.2	10	◎	
14	25.0	31.9	11.5	20.4	21.7	57	10.4	474.4	10.7	9.1	SSW	3.6	32.2	24.8	18.9	17.7	18.3	18.0	15.9	0	○	
15	18.8	19.1	17.2	1.9	18.2	93	0	59.9	12.5	0.7	NW	2.6	21.1	21.8	21.7	21.5	21.0	19.2	15.8	10	◎	
16	16.1	20.8	9.2	11.6	15.0	81	7.1	384.4	—	5.4	NW	2.2	21.9	18.6	15.7	16.0	17.2	17.8	16.0	10	◎	
17	15.9	19.2	5.5	13.7	12.4	47	12.1	523.2	—	6.9	NE	3.0	28.6	20.1	15.2	15.6	17.3	17.5	16.1	5	○	
18	14.8	20.9	5.8	15.1	13.4	78	10.8	549.2	—	7.0	SSE	×	30.4	20.6	16.0	16.5	17.7	17.8	16.0	3	○	
19	19.6	24.4	8.7	15.7	16.6	68	10.2	445.9	—	7.1	S	×	35.4	23.5	18.4	17.8	18.5	18.0	16.0	7	○	
20	21.4	24.0	17.1	6.9	20.6	58	0.9	122.6	117.0	×	SSW	3.9	21.2	20.5	20.1	20.4	20.3	19.0	16.1	10	◎	
10 days av.	20.2	24.2	11.5	12.7	17.9	61	Σ75.4	Σ3,642.2	Σ146.2	Σ53.4		3.1	28.0	22.0	18.3	18.0	18.5	18.0	15.7			
21	18.8	19.2	16.3	2.9	17.8	96	0	49.8	31.0	0.4	NNW	1.9	19.9	19.4	18.5	18.5	18.9	19.0	17.0	10	●	
22	14.8	25.2	13.4	11.8	19.3	93	2.1	244.4	—	3.1	S	1.6	17.1	17.0	16.6	17.2	18.0	18.0	17.2	10	◎	
23	24.4	30.7	10.2	20.5	20.5	51	10.8	470.9	—	8.0	S	2.6	31.9	23.6	27.2	16.2	17.5	18.0	17.2	7	○	
24	26.4	29.3	17.0	12.3	23.2	51	11.2	487.6	0.8	7.8	S	2.5	38.4	27.6	22.2	20.7	20.6	19.5	17.0	1	○	
25	20.8	25.2	17.9	7.3	21.6	85	0.4	99.1	19.0	1.5	SSW	4.6	23.0	22.5	22.3	22.7	22.5	20.5	17.0	10	●	
26	25.0	27.2	18.6	8.6	22.9	82	0.6	117.3	6.0	3.5	W	5.5	24.0	23.5	22.1	21.4	21.0	20.0	17.1	10	◎	
27	18.6	25.0	10.7	14.3	17.9	57	12.1	522.2	—	8.4	S	3.6	27.1	22.1	17.8	17.5	18.7	19.2	17.0	2	○	
28	22.4	24.8	13.2	11.6	19.0	79	13.0	510.3	—	8.3	S	2.7	36.3	26.0	21.0	20.1	20.5	20.0	18.0	4	○	
29	22.8	26.5	11.0	15.5	18.8	50	11.5	508.8	—	7.8	NE	1.6	37.4	26.1	21.2	20.6	21.4	20.8	17.6	3	○	
30	25.6	27.8	17.7	10.1	22.8	69	*6.4	398.8	13.1	5.0	E	1.1	43.5	29.4	25.3	23.8	23.2	21.8	18.2	10	◎	
31	22.0	24.6	20.4	4.2	22.5	94	0	120.6	0.3	1.3	NE	0.9	24.5	24.2	23.6	24.0	23.9	22.1	18.3	10	●	
11 days av.	22.0	26.0	15.1	10.8	20.6	73	Σ68.1	Σ3,529.8	Σ70.2	Σ55.1		2.6	29.4	23.8	21.6	20.2	20.6	19.9	17.4			
Monthly av.	19.7	23.9	12.1	11.8	18.0	68	Σ221.2	Σ10,867.1	Σ267.5	Σ162.4		2.9	26.8	21.4	18.4	17.8	18.3	17.9	15.8			

Monthly Meteorological Data

June (1980)

Date	Items				Temperature				H9	S	R	P	E	Wind		Soil Temperature (°Ts)							Snow	Nt	Weather
	T9	Tx	Th	Tr	Tm	d	V	0						5	10	20	30	50	100						
1	21.6	23.9	17.8	6.1	20.9	96	3.2	287.6	3.1	3.1	1.5	28.0	24.9	22.3	21.8	22.1	21.5	18.7	10	☉					
2	22.0	23.6	17.2	6.4	20.4	83	0	80.4	3.4	0.9	SSW	4.3	21.9	21.5	20.9	21.3	21.6	21.1	18.9	10	☉				
3	19.9	23.0	15.0	8.0	19.0	73	10.3	446.6	—	7.5	S	3.0	23.5	22.5	19.9	19.5	20.1	20.0	18.8	9	☉				
4	23.2	27.6	19.7	7.9	23.7	46	11.5	511.6	—	7.4	S	×	35.0	24.9	19.4	19.1	20.4	20.3	18.6	3	☉				
5	25.5	28.6	13.0	15.6	20.8	34	12.9	528.5	—	9.0	S	2.1	39.1	26.5	21.5	20.9	21.6	21.0	18.8	0	☉				
6	28.6	32.0	15.5	16.5	23.8	42	11.6	467.3	—	9.4	SSW	2.3	42.9	28.0	23.3	22.6	23.0	22.0	19.0	2	☉				
7	25.8	28.0	19.0	9.0	23.5	42	1.3	189.1	5.2	3.2	SW	2.1	38.5	29.6	25.3	24.3	24.1	22.3	19.0	10	☉				
8	26.2	28.6	18.5	10.1	23.6	69	3.7	286.1	17.5	4.5	SSW	4.2	20.9	24.6	23.0	22.5	22.6	22.0	19.2	10	☉				
9	20.6	21.0	19.9	1.1	20.5	96	0	69.0	10.8	1.2	NNW	1.9	22.7	23.4	23.3	23.1	23.0	21.9	19.5	10	☉				
10	20.1	23.3	17.3	6.0	20.3	86	1.7	228.5	—	2.4	NE	1.3	24.5	22.4	21.1	21.0	21.5	21.1	19.5	10	☉				
10 days av.	23.4	26.0	17.3	8.7	21.7	67	Σ36.2	Σ3,094.7	Σ40.0	Σ48.6		2.5	29.7	24.8	22.0	21.6	22.0	21.3	19.0						
11	23.4	26.0	15.6	10.4	20.8	72	6.6	401.6	—	6.0	ENE	1.5	30.7	24.9	21.5	20.7	21.2	20.0	19.3	10	☉				
12	22.8	27.4	16.8	10.6	22.1	77	4.5	372.6	—	6.1	S	1.0	32.3	26.3	23.3	22.8	22.9	22.0	19.4	10	☉				
13	26.4	28.6	18.6	10.0	23.6	70	10.1	389.7	—	5.8	NE	1.5	37.0	37.5	24.6	24.0	24.0	22.0	20.0	7	☉				
14	24.2	28.4	18.4	10.0	23.4	91	1.5	245.2	—	4.3	SSW	1.2	29.0	25.9	24.5	24.5	24.6	22.0	19.9	10	☉				
15	27.5	31.8	17.0	14.8	24.4	61	8.0	413.8	—	8.0	S	2.1	40.0	28.8	24.3	23.5	23.8	23.0	20.0	10	☉				
16	29.3	32.6	20.8	11.8	26.7	58	9.7	407.7	0.1	7.3	SW	1.7	44.4	30.9	27.0	26.1	25.8	24.0	20.3	1	☉				
17	27.2	32.2	22.1	10.1	27.2	67	3.2	225.7	15.5	4.8	SW	4.2	26.5	26.4	26.6	26.9	26.7	24.4	20.7	10	☉				
18	21.6	23.2	20.2	3.0	21.7	95	0.1	127.9	0.1	1.6	ENE	1.4	25.1	24.3	23.8	24.5	25.1	24.0	21.0	10	☉				
19	16.9	21.2	16.2	5.0	18.7	95	2.3	197.9	1.0	2.4	ENE	2.8	19.8	20.4	21.0	22.1	23.0	22.8	21.0	10	●				
20	18.8	21.4	15.6	5.8	18.5	93	0	96.6	1.8	0.4	S	1.0	21.5	21.0	20.3	20.9	21.7	21.9	20.7	10	●				
10 days av.	23.8	27.3	18.1	9.2	22.7	78	Σ46.0	Σ2,878.7	Σ18.5	Σ46.7		1.8	30.1	26.6	23.7	23.6	23.9	22.6	20.2						
21	21.0	25.0	16.3	8.7	20.7	88	4.2	357.9	—	5.0	NE	1.6	26.4	24.4	21.3	20.6	21.0	21.0	20.5	10	☉				
22	25.2	26.6	15.4	11.2	21.0	66	5.2	348.5	—	5.4	NE	1.3	36.5	23.2	22.3	21.5	22.2	22.0	21.0	9	☉				
23	25.6	29.4	17.7	11.7	23.6	71	3.6	243.1	—	3.4	NE	1.3	30.0	27.2	24.3	23.5	23.5	22.2	20.1	10	☉				
24	26.2	30.0	18.2	11.8	24.1	73	8.8	452.7	—	7.3	N	1.5	37.5	30.0	24.5	23.3	23.4	22.8	20.5	6	☉				
25	26.1	28.0	19.8	8.2	23.9	70	0.4	232.0	1.9	4.0	S	1.8	34.5	28.2	25.6	25.6	25.6	24.0	20.5	10	☉				
26	23.8	26.6	21.6	5.0	24.1	86	0	90.7	9.7	×	WNW	4.2	23.5	24.5	24.0	24.1	24.5	23.6	20.8	10	●				
27	23.7	28.2	19.2	9.0	23.7	79	8.7	404.4	—	6.0	NW	1.8	29.0	26.1	23.3	22.6	23.8	22.9	21.0	7	☉				
28	23.8	27.0	19.2	7.8	23.1	81	2.0	275.8	36.1	×	N	0.9	29.0	26.4	24.6	24.6	24.7	23.5	21.0	10	☉				
29	19.6	22.0	18.0	4.0	20.0	95	0	131.2	3.7	1.2	NE	2.0	21.0	21.5	22.2	23.5	24.3	23.5	20.8	10	●				
30	19.8	24.6	18.1	6.5	21.4	93	5.8	322.0	2.0	4.5	SW	×	22.3	22.1	21.6	22.0	22.6	22.4	21.1	10	●				
10 days av.	23.5	26.7	18.4	8.4	22.6	80	Σ38.7	Σ2,858.3	Σ53.4	Σ36.8		1.8	30.0	25.4	23.4	23.1	23.6	22.8	20.7						
Monthly av.	23.6	26.7	17.9	8.7	22.3	75	Σ140.9	Σ8,831.7	Σ111.9	Σ132.1		2.1	29.8	25.6	23.0	22.8	23.1	22.2	20.0						

Monthly Meteorological Data

July (1980)

Date	Items				Temperature				H ₉	S	R	P	E	Wind		Soil Temperature (T _s)							Snow	Nt	Weather
	T ₉	T _x	T _h	T _r	T _m	d	V	0						5	10	20	30	50	100						
1	21.6	26.2	17.9	8.3	22.1	93	0	100.1	29.7	2.2	SW	1.5	22.8	22.8	22.4	23.1	23.5	23.0	21.0	10	●				
2	25.0	27.8	19.1	8.7	23.5	75	3.1	227.0	8.5	2.5	NW	2.5	27.4	26.5	23.3	22.1	22.3	22.2	21.1	10	○				
3	20.4	21.6	20.0	1.6	20.8	96	0	83.7	5.5	0.7	NW	1.6	22.5	23.1	22.6	22.7	23.0	22.1	21.0	10	○				
4	21.4	24.5	17.1	7.4	20.8	75	5.2	366.2	—	5.3	ESE	1.6	26.4	24.3	21.6	21.0	21.5	21.5	21.0	10	○				
5	22.8	25.9	17.6	8.3	21.8	80	1.9	213.6	15.5	2.3	E	1.0	29.5	26.5	22.8	22.8	23.0	22.1	20.6	10	○				
6	24.0	26.3	19.1	7.2	22.7	95	0.5	149.6	34.5	3.5	NNE	0.7	31.5	25.5	22.8	22.8	23.0	23.0	21.0	10	○				
7	21.4	24.5	19.6	4.9	22.1	93	0.1	84.2	46.4	×	ESE	×	23.0	22.3	21.9	22.5	22.9	22.2	20.9	10	●				
8	24.0	26.4	20.3	6.1	23.4	90	2.4	265.6	13.0	0.3	E	×	30.7	27.4	23.6	22.6	22.6	22.4	21.0	10	○				
9	22.7	26.2	21.3	4.9	23.8	98	0	138.3	4.8	1.1	SW	1.7	24.1	23.6	23.3	23.6	23.8	23.8	20.9	10	●				
10	24.2	26.6	20.8	5.8	23.7	89	1.4	220.4	7.5	2.3	ESE	1.7	28.1	26.3	23.6	23.1	23.3	22.6	21.0	10	○				
10 days av.	22.6	25.6	19.3	6.3	22.5	88	Σ 14.6	Σ 1,848.7	Σ 165.4	Σ 20.2		1.5	26.6	24.8	22.9	22.6	22.9	22.5	21.0						
11	23.2	24.0	21.1	2.9	22.6	97	0.2	74.3	35.0	0.7	ENE	1.7	24.0	24.1	23.5	23.5	23.5	22.8	20.8	10	●				
12	22.5	25.2	18.9	6.3	22.1	88	6.5	357.1	—	4.8	ESE	2.3	28.6	26.2	23.1	22.5	22.8	22.4	21.0	9	○				
13	24.6	27.8	16.1	11.7	22.0	71	11.2	478.7	—	8.3	WSW	2.2	36.0	28.7	23.8	23.0	23.5	22.0	21.0	5	○				
14	25.6	29.2	20.5	8.7	24.9	75	4.3	281.8	1.1	5.5	W	5.2	34.7	29.9	26.2	25.0	25.4	24.0	21.1	9	○				
15	24.1	26.5	22.2	4.3	24.4	81	2.1	211.0	3.1	2.4	N	4.5	31.5	30.5	26.6	25.1	25.1	24.0	21.5	9	○				
16	20.6	23.5	18.6	4.9	21.1	86	1.0	206.2	—	3.1	ENE	2.7	21.5	21.8	22.1	23.1	24.0	23.3	21.5	10	○				
17	23.1	25.2	17.9	7.3	21.6	73	11.4	462.0	10.2	7.9	ESE	2.2	29.0	26.1	22.7	22.4	23.1	22.9	21.5	8	○				
18	23.7	26.2	18.8	7.4	22.5	84	0	122.8	5.7	2.2	SW	2.7	23.6	23.9	23.7	24.3	24.6	23.8	21.3	10	○				
19	25.6	30.8	21.0	9.8	25.9	83	4.5	302.8	0.3	4.9	SW	1.0	30.4	28.2	24.6	23.6	23.6	23.2	21.9	10	○				
20	31.0	33.2	21.9	11.3	27.6	56	10.4	425.4	—	7.7	SW	1.4	41.0	32.5	26.8	25.0	24.8	23.7	21.5	3	○				
10 days av.	24.4	27.2	19.7	7.5	23.5	79	Σ 51.6	Σ 2,922.1	Σ 55.4	Σ 47.5		2.6	30.0	27.1	24.3	23.8	24.0	23.2	21.3						
21	31.7	33.2	24.2	9.0	28.7	63	9.9	462.8	—	8.8	ENE	1.6	46.0	33.8	29.0	27.9	27.4	25.5	22.0	1	○				
22	29.9	32.2	23.1	9.1	27.7	71	5.8	369.3	0.1	7.3	ENE	1.5	43.0	32.6	29.5	28.8	28.5	27.0	22.1	7	○				
23	30.4	33.1	22.8	10.3	28.0	67	1.5	235.6	15.7	6.0	SW	3.3	44.0	33.1	28.9	28.4	28.4	27.0	23.0	7	○				
24	28.0	30.5	21.4	9.1	26.0	70	7.0	381.9	—	6.5	SW	2.2	32.5	28.8	26.1	25.6	26.3	25.5	23.2	6	○				
25	27.0	29.2	19.6	9.6	24.4	70	8.0	400.4	—	5.7	ENE	1.3	40.1	31.7	26.8	26.3	26.7	25.5	23.2	5	○				
26	25.0	26.3	22.4	3.9	24.4	86	0	116.3	27.7	2.3	W	2.1	27.6	27.4	27.0	27.1	27.4	26.1	23.3	10	●				
27	24.6	28.1	21.9	6.2	25.0	87	8.7	446.9	—	7.6	ENE	2.2	27.9	26.6	24.8	25.0	25.4	25.1	23.5	10	○				
28	27.1	28.9	19.0	9.9	24.0	73	4.2	322.3	—	5.0	ENE	1.4	39.1	29.8	26.1	26.1	26.7	25.5	23.9	7	○				
29	25.3	27.0	21.0	6.0	24.0	78	1.0	231.5	17.0	3.8	E	1.7	31.5	27.6	26.1	26.5	26.9	25.5	23.9	10	○				
30	22.0	28.6	21.1	7.5	24.9	92	0	107.4	24.9	2.6	E	2.0	22.9	23.5	24.4	25.6	26.3	25.5	23.6	10	●				
31	22.4	24.2	21.2	3.0	22.7	92	0	105.4	1.2	1.9	E	2.7	24.1	24.2	23.7	24.3	24.8	24.5	23.8	10	○				
11 days av.	26.7	29.2	21.6	7.6	25.4	77	Σ 46.1	Σ 3,179.8	Σ 86.6	Σ 57.5		2.0	34.4	29.0	26.6	26.5	26.8	25.7	23.2						
Monthly av.	24.7	27.4	20.2	7.1	23.8	82	Σ 112.3	Σ 7,950.6	Σ 307.4	Σ 125.2		2.1	30.5	27.0	24.6	24.4	24.6	23.9	21.9						

Monthly Meteorological Data

August (1980)

Date	Items				Temperature (Ts)												Snow	Nt	Weather				
	Temperature				S	R	P	E	Wind		Soil Temperature (Ts)												
	T ₉	T _x	T _n	T _m					d	V	0	5	10	20	30	50				100			
1	24.8	26.9	20.7	6.2	23.8	90	460.5	—	8.3	E	2.3	28.9	25.8	23.1	23.1	23.7	23.9	23.2	9	☉			
2	24.8	27.0	16.2	10.8	21.6	71	368.8	0.5	6.1	E	3.1	38.0	28.3	24.5	24.5	25.3	24.9	23.1	4	⊖			
3	23.2	25.3	21.0	4.3	23.2	92	129.7	6.2	1.6	ESE	3.0	25.3	25.0	24.7	25.5	26.0	26.0	23.0	10	☉			
4	22.8	24.0	20.6	3.4	22.3	96	134.7	2.5	0.2	E	×	24.9	24.4	23.6	24.0	24.5	24.3	23.0	10	●			
5	23.1	24.5	21.3	3.2	22.9	96	146.6	1.2	1.1	ESE	1.9	25.8	25.0	23.7	23.9	24.1	23.9	23.0	10	●			
6	22.5	26.2	21.6	4.6	23.9	94	191.6	—	3.7	E	2.8	23.5	23.9	23.5	23.6	24.0	23.5	22.9	10	●			
7	24.3	27.8	20.0	7.8	23.9	78	373.8	—	6.5	ENE	×	31.5	28.8	24.7	23.7	24.0	23.7	22.9	10	☉			
8	26.1	29.1	20.4	8.7	24.8	79	226.2	8.5	2.9	SSW	1.3	33.7	29.0	25.9	25.6	25.7	25.0	22.9	9	☉			
9	25.2	31.0	21.8	9.2	26.4	84	271.7	9.0	4.8	SW	2.1	27.5	26.4	25.0	25.0	25.4	24.9	22.9	10	☉			
10	24.7	26.1	21.5	4.6	23.8	78	165.0	8.2	1.1	SW	1.8	27.4	26.5	25.6	25.5	25.7	24.9	23.0	10	☉			
10 days av.	24.2	26.8	20.5	6.3	23.6	86	Σ33.9	Σ2,568.6	Σ36.1	Σ36.3	2.3	28.7	26.3	24.4	24.4	24.8	24.5	23.0					
11	25.0	29.0	20.7	8.3	24.9	84	1.0	220.9	—	3.2	WSW	1.8	27.8	25.5	23.9	24.1	24.6	24.1	23.1	9	☉		
12	26.1	29.5	21.7	7.8	25.6	82	7.4	412.5	—	6.1	SW	1.8	30.7	28.4	25.3	24.6	24.8	24.3	23.0	9	☉		
13	27.8	34.4	22.6	11.8	28.5	69	8.2	354.6	—	10.9	W	3.2	35.3	29.1	26.6	26.5	26.6	25.5	23.1	5	⊖		
14	28.5	31.6	25.5	6.1	28.6	70	2.3	221.2	—	3.2	W	3.4	34.0	31.5	29.2	28.4	27.8	26.2	23.8	10	☉		
15	28.8	29.8	21.2	8.6	25.5	68	7.6	299.0	4.0	5.3	NE	1.0	39.0	31.1	26.7	26.3	26.6	25.5	23.9	6	⊖		
16	25.2	26.5	23.0	3.5	24.8	95	0.2	122.3	8.4	0.4	NE	1.1	27.0	27.4	26.6	27.0	27.1	26.1	23.9	10	☉		
17	22.8	25.9	20.4	5.5	23.2	92	1.0	174.9	0.3	2.8	WSW	1.3	29.8	24.3	23.8	24.4	25.2	24.5	23.8	10	☉		
18	24.3	25.5	19.6	5.9	22.6	76	0.4	150.6	15.7	0.5	ESE	×	27.1	25.8	24.3	24.0	24.6	24.8	23.9	10	☉		
19	23.0	27.6	21.2	6.4	24.4	93	5.1	283.3	1.4	4.1	SW	1.1	25.5	24.7	23.5	23.8	24.2	24.0	23.8	10	☉		
20	24.6	26.9	20.9	6.0	23.9	84	0.7	193.4	—	2.9	ESE	1.3	27.5	26.0	24.6	24.8	25.1	24.9	23.5	10	☉		
10 days av.	25.6	28.7	21.7	7.0	25.2	81	Σ33.9	Σ2,432.7	Σ29.8	Σ39.4	1.8	30.4	27.4	25.5	25.4	25.7	25.0	23.6					
21	25.2	27.8	19.7	8.1	23.8	76	2.7	282.6	1.0	4.6	SW	1.8	30.9	27.8	24.7	24.4	24.6	24.4	23.3	10	☉		
22	24.7	26.7	21.6	5.1	24.2	88	0	112.0	55.0	×	SSW	0.9	27.5	26.5	25.2	25.3	25.5	24.8	23.3	10	☉		
23	23.4	28.8	21.0	7.8	24.9	92	4.6	289.9	0.6	3.6	WSW	1.3	25.5	24.0	23.3	23.6	24.3	24.0	23.3	9	☉		
24	26.2	28.0	19.6	8.4	23.8	73	6.9	336.2	—	5.1	SW	1.2	33.3	28.9	25.1	24.7	25.3	24.5	23.5	5	⊖		
25	26.3	28.0	20.2	7.8	24.1	77	5.1	242.4	8.4	3.7	WSW	1.2	32.3	28.0	25.5	25.5	25.8	25.1	23.6	10	☉		
26	29.7	30.7	20.8	9.9	25.8	68	1.7	165.6	43.6	×	SW	3.3	30.5	27.7	25.2	25.0	25.3	25.0	23.9	7	⊖		
27	25.9	28.8	20.7	8.1	24.8	84	4.4	278.5	0.5	4.8	N	2.2	31.8	26.8	24.1	24.3	24.8	24.9	24.0	4	⊖		
28	24.5	26.2	20.1	6.1	23.2	78	0.3	217.6	27.8	3.7	ESE	1.5	30.5	27.4	25.0	25.1	25.5	25.1	23.9	10	☉		
29	21.8	25.0	19.6	5.4	22.3	97	0	122.3	8.0	1.3	ESE	1.7	23.9	23.0	22.9	23.6	24.6	24.5	23.6	10	●		
30	23.0	24.0	20.9	3.1	22.5	95	0	96.3	29.4	0.7	E	1.8	24.9	24.5	23.6	23.8	24.3	24.0	23.9	10	●		
31	21.2	24.1	20.0	4.1	22.1	96	0	115.3	5.4	1.3	ESE	×	22.2	22.7	22.6	23.2	23.8	23.0	23.2	10	●		
11 days av.	24.7	27.1	20.5	6.7	23.8	84	Σ25.7	Σ2,258.7	Σ179.7	Σ28.8	1.7	28.5	26.1	24.3	24.4	24.9	24.5	23.6					
Monthly av.	24.8	27.5	20.9	6.7	24.2	84	Σ93.5	Σ7,260.0	Σ245.6	Σ104.5	1.8	29.2	26.6	24.7	24.7	25.1	24.7	23.4					

Monthly Meteorological Data

September (1980)

Date	Items		Temperature				H9	S	R	P	E	Wind		Soil Temperature (Ts)							Snow	Nt	Wea-ther
	Date	Items	Tx	Tn	Tr	Tm						V	d	0	5	10	20	30	50	100			
			19.9	27.3	18.8	8.5								23.1	1.9	28.6	25.1	23.2	23.1	24.2			
1	22.9	26.8	19.2	7.6	23.0	80	2.5	276.0	—	4.7	SW	×	27.3	24.5	22.6	22.7	23.4	23.2	23.3	10	☉		
2	24.9	27.6	16.8	10.8	22.2	68	11.2	439.8	—	6.9	WSW	2.4	35.0	28.0	23.0	20.1	23.7	23.9	23.2	5	①		
3	27.4	30.6	19.4	11.2	25.0	63	5.6	277.5	—	4.4	SW	1.6	37.6	28.8	24.7	24.5	25.1	24.5	23.1	4	①		
4	26.0	28.1	19.2	8.9	23.7	73	8.2	336.9	—	6.0	SW	1.9	38.2	29.0	25.1	24.9	25.8	24.9	23.5	0	○		
5	27.8	32.1	22.4	9.7	27.3	65	3.4	239.1	5.2	5.2	SW	4.1	34.0	28.1	26.0	25.9	26.1	25.3	23.6	10	☉		
6	24.8	27.7	21.5	6.2	24.6	84	3.7	271.5	14.9	4.2	E	1.0	28.1	26.6	25.2	25.4	25.7	25.0	23.9	10	☉		
7	18.4	20.3	16.9	3.4	18.6	93	0	51.6	21.1	0.2	SE	1.3	20.0	21.3	22.5	23.0	25.1	25.0	23.5	10	●		
8	20.1	22.6	16.8	5.8	19.7	94	0	87.2	2.5	0.5	SW	×	21.6	21.6	21.0	21.5	22.5	23.0	23.5	10	●		
9	20.1	24.8	17.8	7.0	21.3	92	1.2	154.2	21.2	1.7	E	1.5	21.7	21.5	21.0	21.4	22.2	22.1	23.1	10	☉		
10	21.0	32.3	18.0	14.3	25.2	93	0.1	54.3	20.0	2.9	SSW	1.0	22.0	21.7	21.2	21.5	22.2	22.0	23.0	10	●		
10 days av.	23.3	27.3	18.8	8.5	23.1	81	Σ35.9	Σ2,188.1	Σ84.9	Σ36.7		1.9	28.6	25.1	23.2	23.1	24.2	23.9	23.4				
11	32.0	34.0	20.5	13.5	27.3	57	6.3	226.5	—	8.1	SW	7.0	30.8	28.0	24.8	23.8	23.4	22.9	22.9	9	☉		
12	22.1	24.9	20.0	4.9	22.5	83	1.0	128.4	0.5	2.0	WSW	1.4	29.0	25.5	23.8	24.1	24.5	23.8	22.7	10	☉		
13	25.4	27.9	16.2	11.7	22.1	61	10.0	390.0	—	6.4	WSW	1.9	32.9	25.8	21.8	22.1	23.2	23.1	22.6	0	○		
14	23.0	26.9	15.0	11.9	21.0	64	10.6	412.7	—	6.8	SW	2.1	33.0	25.4	22.0	22.7	24.0	23.6	22.7	0	○		
15	25.2	29.0	14.6	14.4	21.8	59	10.3	406.2	—	6.4	SW	×	36.4	26.1	22.2	22.6	23.9	23.7	22.7	2	○		
16	26.2	29.8	17.3	12.5	23.6	67	8.1	370.8	—	5.6	N	×	38.0	27.5	23.5	23.7	24.6	24.2	23.0	1	○		
17	22.8	26.2	18.0	8.2	22.1	77	2.8	204.7	—	3.6	SW	1.9	23.6	23.5	23.8	24.5	25.1	24.3	23.0	10	☉		
18	22.9	25.5	15.5	10.0	20.5	77	4.4	273.2	—	5.0	ESE	2.5	23.6	23.5	23.8	24.5	25.1	24.3	23.0	10	☉		
19	23.4	25.8	15.6	10.2	20.7	67	8.0	340.2	7.5	5.0	E	2.1	34.5	25.1	22.2	22.8	23.9	23.8	23.1	5	①		
20	20.4	23.4	19.4	4.0	21.4	93	0.8	85.9	1.7	1.0	ESE	1.2	21.8	22.5	23.1	24.1	24.6	24.0	23.0	10	●		
10 days av.	24.3	27.3	17.2	10.1	22.3	71	Σ62.3	Σ2,838.6	Σ9.7	Σ49.9		2.5	30.4	25.3	23.1	23.5	24.2	23.8	22.9				
21	20.2	24.5	15.6	8.9	20.1	93	3.6	258.3	3.1	3.6	E	1.5	22.5	22.0	20.7	21.1	22.5	23.0	23.0	10	●		
22	20.3	22.4	18.2	4.2	20.3	79	0.9	141.8	—	2.6	SW	2.2	20.0	20.6	21.3	22.3	23.0	22.9	23.0	10	☉		
23	19.6	23.7	14.4	9.3	19.1	56	2.7	253.0	—	3.9	SW	1.5	23.0	20.7	19.3	19.9	21.3	21.5	22.2	9	☉		
24	18.8	22.0	15.5	6.5	18.8	77	×	124.4	—	1.6	SW	1.6	20.1	19.4	19.2	20.3	21.4	21.8	22.1	10	☉		
25	18.6	21.2	14.9	6.3	18.1	77	1.6	103.1	—	1.3	SW	1.3	20.5	19.1	18.5	19.5	20.7	21.0	22.0	10	☉		
26	19.0	23.9	12.1	11.8	18.0	76	7.1	253.5	4.6	4.0	SE	2.2	22.3	19.4	17.5	18.4	20.0	20.5	21.9	7	①		
27	17.4	20.5	14.9	5.6	17.7	93	×	93.3	4.8	0.9	N	1.4	20.5	19.5	18.8	19.8	20.7	20.8	21.9	10	☉		
28	20.3	23.7	12.9	10.8	18.3	78	9.1	391.0	—	5.0	SW	2.1	25.7	21.7	18.1	18.4	19.6	20.1	21.3	6	①		
29	21.0	24.4	11.8	12.6	18.1	67	9.4	387.7	28.2	8.0	WSW	1.9	27.8	22.0	18.2	18.9	20.3	20.6	21.0	2	○		
30	15.2	21.0	12.1	8.9	16.6	96	2.6	161.3	—	1.6	E	2.6	15.5	15.5	16.6	18.4	20.1	21.0	20.9	10	☉		
10 days av.	19.0	22.7	14.2	8.5	18.5	79	Σ37.0	Σ2,167.4	Σ40.7	Σ32.5		1.8	21.8	20.0	18.8	19.7	21.0	21.3	21.9				
Monthly av.	22.2	25.8	16.8	9.0	21.3	77	Σ135.2	Σ7,194.1	Σ135.3	Σ119.1		2.0	26.9	23.5	21.7	22.1	23.2	23.0	22.7				

Monthly Meteorological Data

October (1980)

Date	Items		Temperature							H _g	S	R	P	E	Wind		Soil Temperature (T _s)							Snow	Nt	Weather			
	T ₉	T _x	T _n	T _r	T _m	d	V	0	5						10	20	30	50	100	0	5	10	20				30	50	100
1	19.1	22.4	10.2	12.2	16.3	58	9.6	394.3	—	5.5	SW	2.1	25.8	20.3	16.2	16.8	18.5	19.3	20.9	2	○								
2	19.6	23.0	9.4	13.6	16.2	59	9.7	393.8	—	5.5	WSW	2.6	27.0	19.8	16.2	17.2	19.0	19.9	20.8	3	○								
3	21.8	23.4	11.6	11.8	17.5	55	10.0	359.9	—	5.8	SW	2.8	26.9	22.2	18.1	18.5	19.8	20.0	20.5	5	○								
4	20.2	23.2	10.5	12.7	16.9	60	9.1	369.8	—	5.5	SW	2.6	29.3	20.6	17.4	18.6	20.1	20.4	20.8	3	○								
5	23.2	26.8	9.1	17.7	18.0	42	8.5	267.4	4.5	6.7	WSW	3.8	27.1	21.5	18.4	19.2	20.4	20.5	20.6	5	○								
6	19.6	22.1	18.2	3.9	20.2	91	0	113.7	27.4	0.7	WSW	4.2	21.4	21.0	20.6	20.9	21.4	21.0	20.5	10	●								
7	19.6	24.1	18.4	5.7	21.3	96	0	97.1	1.3	0.8	SW	1.6	20.2	20.3	20.0	20.1	20.5	20.3	20.7	10	●								
8	24.2	26.2	17.4	8.8	21.8	72	7.3	295.5	—	5.7	E	3.5	27.9	23.6	20.3	20.1	20.6	20.3	20.9	3	○								
9	18.2	20.6	12.5	8.1	16.6	53	8.6	322.5	—	4.8	SW	2.7	27.1	22.0	19.0	19.6	20.8	20.7	20.9	5	○								
10	21.3	25.2	11.3	13.9	18.3	65	0.8	181.5	5.8	4.6	SW	1.9	23.0	19.5	19.9	18.8	20.1	20.5	20.9	9	◎								
10 days av.	20.7	23.7	12.9	10.8	18.3	65	Σ63.6	Σ2,795.5	Σ39.0	Σ45.6		2.8	25.6	21.1	18.6	19.0	20.1	20.3	20.6										
11	19.0	21.9	17.1	4.8	19.5	92	0	62.7	4.9	0.5	WSW	2.5	19.4	19.4	19.5	20.1	20.6	20.5	20.7	10	●								
12	20.2	21.8	18.2	3.6	20.0	90	0.9	124.1	37.0	3.0	ESE	2.6	20.8	20.5	19.9	20.2	20.6	20.0	20.5	10	◎								
13	19.2	20.8	17.8	3.0	19.3	96	0	16.2	37.5	×	SW	×	19.5	19.6	19.5	19.9	20.4	20.1	20.5	10	●								
14	19.2	19.5	17.5	2.0	18.5	93	0	30.8	16.5	3.8	E	5.3	19.5	19.6	19.3	19.5	20.0	19.7	20.2	10	●								
15	17.8	20.9	14.8	6.1	17.9	53	6.5	286.6	—	3.7	SW	2.3	19.9	18.3	15.9	16.5	18.0	18.4	20.1	8	◎								
16	19.9	22.5	9.0	13.5	15.8	64	6.4	×	0.5	3.5	SW	2.0	18.0	18.0	17.9	18.6	19.3	19.0	19.9	3	○								
17	16.8	19.8	15.7	4.1	17.8	94	0	74.1	0.7	1.0	WSW	1.4	23.9	18.9	15.5	16.4	17.9	18.5	19.9	10	●								
18	20.1	23.6	11.6	12.0	17.6	64	5.4	226.7	22.8	3.6	E	1.9	21.6	18.6	18.2	18.8	19.0	19.0	20.0	1	○								
19	18.0	18.4	10.8	7.6	14.6	94	0	25.8	27.2	0.2	ESE	×	18.0	18.5	18.2	18.8	19.0	19.0	20.0	10	●								
20	18.2	19.0	15.1	3.9	17.1	85	0.4	43.2	1.6	1.0	SE	×	17.0	17.2	17.1	17.6	18.3	18.1	19.3	10	◎								
10 days av.	18.8	20.8	14.8	6.1	17.8	83	Σ19.6	Σ890.2	Σ148.7	Σ20.3		2.6	19.8	18.9	18.1	18.6	19.3	19.2	20.1										
21	18.8	22.1	13.9	8.2	18.0	64	5.3	×	1.3	4.5	NNE	3.5	23.0	18.9	16.6	17.6	17.9	18.1	19.1	7	○								
22	14.1	19.0	11.7	7.3	15.4	54	5.4	206.7	—	3.7	WSW	2.9	14.0	13.7	14.1	15.6	17.3	17.8	19.0	9	◎								
23	15.0	17.8	9.1	8.7	13.5	64	8.8	294.2	—	3.7	SW	1.9	18.9	15.6	13.8	15.4	16.8	17.3	18.9	6	○								
24	12.0	18.4	7.1	11.3	12.8	68	0.1	73.8	20.5	0.3	SW	1.6	13.2	12.4	12.4	14.3	16.2	17.1	18.9	10	◎								
25	17.8	22.0	10.9	11.1	16.5	91	1.8	111.0	0.3	1.9	WNW	2.9	20.5	17.7	16.0	16.0	16.4	16.7	18.7	9	◎								
26	11.0	15.8	7.3	8.5	11.6	48	5.9	227.2	1.2	4.1	W	×	15.5	13.0	11.9	13.6	15.6	15.3	18.0	6	○								
27	11.7	13.2	8.2	5.0	10.7	54	0	41.2	2.6	1.2	W	×	10.4	10.6	11.1	13.0	14.6	15.5	18.0	10	◎								
28	11.3	16.8	8.2	8.6	12.5	78	2.9	129.9	0.1	1.4	WSW	2.4	12.0	11.1	10.9	12.2	13.7	14.9	17.9	10	◎								
29	11.6	17.8	6.7	11.1	12.3	77	4.6	177.4	13.1	2.4	W	2.0	12.1	11.0	9.9	11.1	13.0	14.2	17.1	8	◎								
30	13.2	18.4	7.3	11.1	12.9	73	8.1	296.0	3.0	3.5	W	1.7	17.5	12.8	10.6	11.6	13.1	14.0	17.0	5	○								
31	11.4	12.5	7.8	4.7	10.2	51	1.4	103.9	0.4	1.6	WSW	4.1	8.5	9.6	10.6	12.5	14.0	14.3	16.5	10	◎								
11 days av.	13.4	17.6	8.9	8.7	13.3	66	Σ44.3	Σ1,661.3	Σ42.5	Σ27.9		2.6	15.1	13.3	12.5	13.9	15.3	15.9	18.1										
Monthly av.	17.5	20.6	12.1	8.5	16.4	71	Σ127.5	Σ5,347.0	Σ230.2	Σ93.8		2.6	20.0	17.6	16.3	17.1	18.2	18.4	19.6										

Monthly Meteorological Data

November (1980)

Date	Items				Temperature				H9	S	R	P	E	Wind		Soil Temperature (°Ts)							Snow	Nt	Weather
	T9	Tx	Tn	Tr	Tm	d	V	0						5	10	20	30	50	100						
1	11.0	17.8	6.5	11.3	12.2	38	5.2	213.1	3.6	1.9	SW	1.9	12.5	10.6	9.9	11.1	12.6	13.4	16.4	9	☉				
2	9.0	16.6	7.0	9.6	11.8	90	2.1	141.8	22.7	2.3	SW	1.5	10.0	10.0	10.5	12.0	13.5	14.0	16.2	10	●				
3	11.5	14.8	7.0	7.8	10.9	58	7.1	222.4	—	2.4	WSW	1.6	15.0	11.9	10.5	11.4	12.7	13.2	16.0	7	☉				
4	12.0	18.6	2.8	15.8	10.7	55	5.6	217.1	—	3.5	SW	2.7	11.0	8.0	6.7	9.0	11.6	13.1	15.8	8	☉				
5	17.7	18.1	10.2	7.9	14.2	59	1.7	73.8	—	1.0	SW	2.9	16.5	14.6	12.5	12.5	13.1	13.2	15.5	8	☉				
6	17.8	22.8	10.5	12.3	16.7	66	7.9	269.9	—	3.1	SSW	1.2	19.8	14.1	11.5	12.2	13.4	13.8	15.8	0	☉				
7	17.0	21.8	10.6	11.2	16.2	72	1.2	123.6	9.3	1.6	WSW	0.9	16.5	13.9	12.4	13.3	14.4	14.6	15.8	10	☉				
8	10.1	10.9	9.2	1.7	10.1	80	0	49.8	9.8	0.3	SW	3.6	10.4	11.2	12.0	13.4	14.4	14.2	15.5	10	●				
9	11.2	15.8	5.6	10.2	10.7	68	7.9	×	—	3.0	SW	×	14.0	9.5	8.8	10.4	12.0	12.5	15.2	4	☉				
10	11.8	17.4	4.2	13.2	10.8	62	8.1	279.8	—	2.8	SW	×	15.0	9.8	8.0	9.7	11.7	13.0	15.3	3	☉				
10 days av.	12.9	17.5	7.4	10.1	12.4	65	Σ46.8	Σ1,591.3	Σ45.4	Σ21.9	—	2.0	14.1	11.4	10.3	11.5	12.9	13.5	15.8	—	—				
11	16.4	19.6	5.4	14.2	12.5	62	8.2	287.1	—	2.8	WSW	1.1	16.0	10.4	8.4	10.1	12.0	13.0	15.1	0	☉				
12	16.1	20.7	5.5	15.2	13.1	64	7.9	251.0	3.7	3.6	SW	3.2	16.8	10.5	8.6	10.5	12.4	13.1	15.0	0	☉				
13	18.1	10.7	7.4	3.3	9.1	86	1.2	64.7	2.8	1.5	NNW	5.3	10.0	11.7	12.6	13.7	14.3	13.3	15.1	8	☉				
14	10.0	15.4	5.8	9.6	10.6	54	6.4	245.8	—	3.0	SSW	2.5	10.8	8.0	7.9	9.5	11.4	12.5	15.1	7	☉				
15	11.2	17.7	4.8	12.9	11.3	63	4.3	175.4	—	1.8	WSW	1.6	11.6	9.6	8.9	10.0	11.6	12.3	15.0	8	☉				
16	11.9	18.8	4.2	14.6	11.5	62	6.9	220.1	—	2.8	SW	1.6	14.0	9.7	8.0	9.4	11.2	12.2	15.0	5	☉				
17	13.0	19.8	7.2	12.6	13.5	72	7.8	236.6	—	2.5	SW	1.7	15.1	10.6	9.5	11.0	12.3	12.8	14.8	6	☉				
18	13.4	19.3	6.6	12.7	13.0	71	8.2	269.4	—	2.9	WSW	1.6	15.0	9.8	9.1	10.9	12.6	13.0	14.8	1	☉				
19	12.2	18.9	5.3	13.6	12.1	66	7.7	253.0	—	3.0	SW	2.2	14.7	9.1	8.5	10.5	12.4	13.1	14.9	0	☉				
20	14.0	20.4	5.8	14.6	13.1	44	7.5	246.4	1.1	3.1	SW	1.9	15.5	9.0	8.4	10.5	12.4	13.1	14.9	4	☉				
10 days av.	13.6	18.1	5.8	12.3	12.0	64	Σ66.1	Σ2,249.5	Σ7.6	Σ27.0	—	2.3	14.0	9.8	9.0	10.6	12.3	12.8	15.0	—	—				
21	15.4	15.8	13.2	2.6	14.5	92	0	24.8	57.7	×	ESE	2.5	15.0	14.5	13.6	13.7	14.0	13.9	14.8	10	●				
22	14.2	14.9	12.6	2.3	13.8	94	0	50.8	4.4	1.1	ENE	4.7	15.0	14.4	13.7	14.0	14.2	14.0	14.5	10	●				
23	11.6	17.1	6.5	10.6	11.8	80	3.0	174.1	1.1	1.5	W	×	15.7	10.8	10.0	11.7	13.2	13.7	14.7	1	☉				
24	12.4	17.7	9.8	7.9	13.8	93	5.1	173.9	—	1.6	SW	×	13.6	12.4	11.9	12.6	13.4	13.5	14.6	10	☉				
25	14.8	16.2	7.5	8.7	11.9	57	4.5	172.1	9.6	2.5	NNE	5.1	14.7	11.7	10.4	11.7	13.0	13.5	14.9	3	☉				
26	13.6	14.4	8.5	5.9	11.5	54	1.9	108.9	—	2.2	NNE	3.8	10.9	11.0	11.0	11.9	12.9	13.2	14.6	10	☉				
27	11.4	16.4	6.1	10.3	11.3	69	3.4	148.6	—	1.4	SW	1.2	13.5	9.5	9.7	10.1	11.7	13.5	14.7	7	☉				
28	11.2	13.5	9.1	4.4	11.3	75	0	46.3	11.0	0.5	E	0.9	11.0	10.8	10.6	11.5	12.3	12.5	14.3	10	●				
29	13.9	15.8	8.8	7.0	12.3	58	4.9	187.5	—	2.4	W	2.8	10.9	11.0	10.7	11.5	12.2	12.3	14.3	9	☉				
30	10.6	15.8	4.0	11.8	9.9	67	2.9	149.4	—	1.8	WSW	3.2	10.2	7.5	6.8	9.0	11.0	12.0	14.0	9	☉				
10 days av.	12.9	15.8	8.6	7.2	12.2	74	Σ25.7	Σ1,256.4	Σ83.8	Σ15.0	—	3.0	13.1	11.4	10.8	11.8	12.8	13.2	14.5	—	—				
Monthly av.	13.2	17.1	7.3	9.9	12.2	68	Σ138.6	Σ5,097.2	Σ136.8	Σ63.9	—	2.4	13.7	10.9	10.0	11.3	12.7	13.2	15.1	—	—				

Monthly Meteorological Data

December (1980)

Date	Items					H ₉	S	R	P	E	Wind		Soil Temperature (Ts)							Snow	Nt	Weather
	Temperature										d	V	0	5	10	20	30	50	100			
	T ₉	T _x	T _h	T _r	T _m																	
1	13.3	22.4	8.3	14.1	15.4	62	×	202.5	—	2.3	WSW	×	14.8	10.7	9.4	10.3	11.2	11.9	14.1	7	①	
2	14.5	16.1	5.4	10.7	10.8	56	×	94.8	0.7	1.4	W	×	5.2	9.0	7.7	9.3	11.0	12.9	14.0	4	①	
3	10.9	12.9	9.2	3.7	11.1	65	2.3	134.7	2.9	0.7	NNW	3.8	11.1	10.5	10.2	11.1	11.8	12.0	13.9	8	☉	
4	3.8	7.0	0.3	6.7	3.7	70	4.8	168.6	—	1.6	WNW	4.7	6.1	6.2	6.4	8.6	10.6	11.3	13.2	10	☉	
5	6.4	10.5	2.4	8.1	6.5	58	2.7	145.8	—	2.1	WSW	3.2	5.9	5.5	5.7	7.3	9.2	10.5	13.2	9	☉	
6	8.1	14.8	2.7	12.1	8.8	54	8.1	222.9	4.0	2.5	WSW	2.7	9.0	4.9	5.1	7.2	9.0	10.1	13.2	0	☉	
7	7.2	13.2	4.6	8.6	8.9	82	2.0	136.2	6.8	1.3	SW	×	7.4	7.3	7.5	8.8	10.0	10.5	13.0	10	☉	
8	9.0	11.8	3.8	8.0	7.8	56	3.0	129.9	0.7	1.3	W	×	8.5	6.7	6.8	8.0	9.6	10.5	12.9	8	☉	
9	7.2	8.6	1.0	7.6	4.8	95	0.9	81.6	5.0	0.7	WSW	3.0	6.4	4.0	3.9	6.0	8.3	10.0	13.0	7	①	
10	4.2	10.0	1.5	8.5	5.8	82	0	61.4	0.9	0.8	SW	2.6	4.8	4.3	4.5	5.8	5.5	9.0	12.3	10	●	
10 days av.	8.5	12.7	3.9	8.8	8.4	68	Σ23.8	Σ1,378.4	Σ21.0	Σ14.7		3.6	8.7	6.9	6.7	8.2	9.6	10.9	13.3			
11	9.4	15.4	1.5	13.9	8.5	51	6.7	220.1	4.5	3.6	WSW	4.9	7.9	4.1	3.3	4.7	6.6	8.1	12.2	7	①	
12	7.8	7.9	6.9	1.0	7.4	90	0.3	63.4	6.1	0.2	NW	4.3	8.0	8.6	8.3	8.5	8.9	9.0	11.9	10	●	
13	0.2	3.8	-2.6	6.4	0.6	72	5.4	196.6	0.1	1.6	WNW	6.1	0.0	1.5	2.8	4.8	6.8	8.0	11.0	10	●	
14	1.2	6.9	-1.2	8.1	2.9	90	3.4	157.5	12.0	3.1	WNW	×	0.0	1.0	2.2	4.0	5.8	6.0	11.0	10	☉	
15	5.0	8.3	-0.1	8.4	4.1	59	2.7	108.7	1.4	1.5	NE	×	3.7	3.0	2.6	3.8	5.4	6.9	11.0	9	☉	
16	4.6	9.8	1.8	8.0	5.8	73	0.8	98.6	3.9	0.7	WSW	2.7	4.5	3.9	3.6	4.6	5.9	6.9	10.6	10	☉	
17	4.9	8.2	2.2	6.0	5.2	88	0	72.3	2.2	0.3	WSW	1.7	5.3	4.9	4.6	5.5	6.4	7.2	10.3	10	☉	
18	6.9	11.9	0.1	11.8	6.0	61	4.2	142.8	11.5	0.6	WSW	3.3	6.0	3.5	3.1	4.5	6.1	7.3	10.1	8	☉	
19	4.1	5.7	2.6	3.1	4.2	94	0	54.6	9.6	0.2	WNW	1.5	5.3	4.9	5.0	5.9	7.0	7.5	10.0	10	●	
20	0.9	5.0	0.0	5.0	2.5	90	0.4	45.5	13.2	0.2	NE	5.7	0.8	3.0	4.0	5.2	6.5	7.2	10.0	10	☉	
10 days av.	4.5	8.3	1.1	7.2	4.7	77	Σ23.9	Σ1,160.1	Σ64.5	Σ12.0		3.8	4.2	3.8	4.0	5.2	6.5	7.4	10.5			
21	0.8	3.2	-0.8	4.0	1.2	94	0	32.6	8.5	0.3	SSW	2.1	0.1	1.6	2.7	4.0	5.3	6.1	9.0	10	☉	
22	3.2	9.8	-0.3	10.1	4.8	91	2.4	153.9	0.1	1.0	WSW	1.8	5.9	3.7	2.8	3.5	4.6	5.9	9.5	9	☉	
23	7.9	8.8	-0.1	8.9	4.4	64	0.7	57.4	1.1	1.1	SW	2.8	7.7	3.5	2.5	3.9	5.4	6.5	9.0	8	☉	
24	2.4	9.0	-2.0	11.0	3.5	80	0.8	63.2	13.1	0.4	NE	4.6	0.0	0.9	1.8	3.5	5.0	6.0	9.1	10	☉	
25	6.1	8.8	1.5	7.3	5.2	83	1.0	99.3	0.7	0.7	W	2.2	7.7	5.6	4.6	5.1	5.9	6.4	9.1	10	☉	
26	3.6	7.0	0.7	6.3	3.9	88	2.5	122.3	16.5	×	WNW	3.9	4.0	4.3	4.5	5.4	6.4	7.0	9.6	10	●	
27	-0.2	3.0	-2.4	5.4	0.3	87	3.3	156.5	×	×	WNW	5.3	0.0	1.1	2.0	3.5	5.0	6.5	9.5	16	☉	
28	-2.8	1.8	-3.6	5.4	-0.9	100	1.7	71.0	×	×	NW	5.4	0.0	0.9	1.5	3.0	4.0	5.5	9.0	20	☉	
29	0.7	3.0	-4.4	7.4	-0.7	99	5.4	177.2	×	×	WNW	×	-0.1	0.7	1.2	2.3	3.6	4.8	9.1	2	☉	
30	0.3	3.5	-4.0	7.5	-0.3	98	0	121.0	×	×	W	×	0.0	1.0	1.2	2.2	3.4	4.5	9.0	10	☉	
31	1.4	4.2	-2.6	6.8	0.8	87	1.2	106.7	×	×	W	×	0.5	1.1	0.9	1.3	3.6	5.6	8.6	60	☉	
11 days av.	2.1	5.6	-1.6	7.3	2.0	88	Σ19.0	Σ1,061.1					3.5	2.3	2.2	2.3	3.4	4.7	5.9	9.1		
Monthly av.	4.9	8.8	1.0	7.7	5.0	78	Σ66.7	Σ3,599.6	Σ125.5	Σ30.2			3.6	5.0	4.3	4.3	5.5	6.9	8.0	10.9		