

Meteorological Data No. 30 (1981)

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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 (1981)

Date	Temperature										H _g	S	R	P	E	Wind		Soil Temperature (Ts)							Snow	Nt	Weather
	T _g		T _x	T _n	T _r	T _m	d	V	0	5						10	20	30	50	100							
	T ₁	T ₂	T ₁	T ₂	T ₁	T ₂																					
1	2.6	9.5	-0.6	10.1	4.5	75	6.4	×	WSW	3.5	0.3	0.9	0.7	1.3	2.9	4.7	8.3	38	6	⊙							
2	3.2	4.2	2.1	2.1	3.2	78	1.8	×	WNW	4.5	0.2	0.8	0.6	0.7	3.0	5.4	8.0	32	9	⊙							
3	0.4	2.4	-2.2	4.6	0.1	79	1.6	×	NW	5.8	0.2	0.8	0.6	0.9	2.9	4.7	7.8	28	10	⊗							
4	-0.1	2.4	-2.4	4.8	0.0	91	0.8	×	W	2.8	0.5	1.1	0.9	1.0	3.0	4.7	7.6	52	10	⊗							
5	-0.3	2.6	-4.8	7.4	-1.1	99	1.4	×	W	4.1	-0.1	0.5	0.4	0.9	2.7	4.2	7.3	56	10	⊗							
6	-0.8	4.7	-2.8	7.5	1.0	99	1.4	×	NW	4.1	0.0	0.6	0.4	0.8	2.6	4.0	7.3	70	10	⊗							
7	5.0	5.4	-1.9	7.3	1.8	51	1.6	1.6	N	5.6	0.2	0.8	0.7	0.8	2.7	3.7	7.0	60	9	⊙							
8	3.1	9.3	-0.4	9.7	4.5	74	6.1	2.5	SSW	1.9	0.1	0.7	0.6	1.1	2.7	4.1	7.3	50	8	⊙							
9	5.0	9.3	-2.0	11.3	3.7	91	6.1	1.6	W	2.6	0.2	0.9	1.1	0.9	2.7	4.0	7.0	45	5	⊙							
10	3.1	4.0	1.3	2.7	2.7	63	2.6	×	NW	5.3	0.0	0.6	0.5	0.4	2.2	3.8	7.0	39	10	⊙							
10 days av.	2.1	5.4	-1.4	6.8	2.0	80	Σ29.8	Σ1,080.3	Σ81.1	4.0	0.2	0.8	0.7	0.9	2.7	4.3	7.5										
11	0.2	1.2	-3.0	4.2	-0.9	86	0.4	×	WNW	4.3	0.2	0.8	0.6	0.8	2.5	3.7	6.8	51	9	⊗							
12	0.4	1.7	-2.6	4.3	-0.5	89	0.5	×	NW	4.6	0.1	0.7	0.5	0.6	2.4	3.7	6.6	70	10	⊗							
13	-1.6	0.8	-2.9	3.7	-1.1	98	0	×	WNW	4.3	0.5	1.1	0.7	0.9	2.3	3.7	6.1	110	10	⊗							
14	0.8	2.0	-3.3	5.3	-0.7	97	0.5	103.9	34.0	4.3	0.5	1.1	0.9	0.8	2.6	3.2	6.0	115	10	⊗							
15	0.4	3.2	-1.6	4.8	0.8	86	1.5	112.2	13.8	2.0	0.5	1.1	0.9	0.8	2.7	4.5	5.9	105	10	⊙							
16	1.8	2.9	-1.8	4.7	0.6	97	0.1	59.9	4.8	5.1	0.6	1.1	1.0	0.9	2.6	2.7	5.9	100	10	⊗							
17	2.0	5.6	-1.8	7.4	1.9	77	2.2	126.9	2.0	3.2	0.5	1.1	0.9	0.8	2.7	3.9	5.9	97	10	⊙							
18	1.4	5.2	-2.0	7.2	1.6	93	0.8	91.0	—	WSW	×	0.6	1.1	0.9	0.8	2.7	4.3	5.9	90	10	⊙						
19	3.4	3.8	-0.6	4.4	1.6	81	0	62.7	12.9	SW	×	0.5	1.1	0.9	0.9	2.7	3.7	5.8	89	10	⊙						
20	2.0	4.3	-0.8	5.1	1.8	75	2.2	127.1	3.0	W	3.6	0.5	0.9	0.7	0.8	2.7	3.8	5.8	88	9	⊙						
10 days av.	1.1	3.1	-2.0	5.1	0.5	88	Σ8.2	Σ683.7	Σ93.7	3.9	0.5	1.0	0.8	0.8	2.6	3.7	6.1										
21	2.8	5.4	-1.3	6.7	2.1	65	2.7	141.0	4.5	NE	3.3	0.5	1.0	0.8	0.7	2.4	3.7	5.6	85	3	⊙						
22	-0.2	3.6	-1.4	5.0	1.1	95	1.9	×	—	NE	×	0.5	1.0	0.9	0.8	2.7	3.7	5.7	81	10	⊗						
23	1.1	8.2	-1.7	9.9	3.3	76	4.7	215.8	2.2	SW	1.8	0.6	1.1	0.9	0.8	2.7	3.7	5.3	80	9	⊗						
24	2.0	5.2	-1.8	7.0	1.7	93	0	22.5	15.0	W	1.9	0.6	1.1	0.9	0.8	2.6	3.7	5.4	77	10	●						
25	3.2	6.9	1.0	5.9	4.0	94	1.5	109.9	10.7	E	2.1	0.4	0.9	0.8	0.7	2.2	3.5	5.6	67	10	●						
26	0.7	2.3	-0.4	2.7	1.0	91	0.2	48.8	5.7	ENE	4.3	0.4	0.9	0.7	0.6	1.9	2.9	5.1	65	10	⊗						
27	0.8	4.1	-1.0	5.1	1.6	81	1.6	75.3	3.5	ENE	3.1	0.1	0.7	0.5	0.5	1.8	2.8	5.0	65	9	⊙						
28	1.9	6.2	-0.7	6.9	2.8	85	5.7	×	—	WSW	2.0	0.3	0.8	0.7	0.6	1.9	2.8	4.8	62	10	⊙						
29	4.3	6.0	-1.4	7.4	2.3	58	2.8	×	2.6	NNW	3.6	0.3	0.9	0.7	0.6	1.9	2.9	4.9	60	7	⊙						
30	3.8	6.8	0.1	6.7	3.4	68	3.2	148.9	—	SW	2.2	0.3	0.8	0.6	0.5	1.7	2.7	4.9	58	10	⊙						
31	3.3	9.6	-2.7	12.3	3.5	65	8.3	265.9	0.8	SW	2.2	×	×	×	×	×	×	×	×	2	⊙						
11 days av.	2.2	5.8	-1.0	6.9	2.4	79	Σ32.6	Σ1,028.1	Σ45.0	Σ13.1	2.7	0.4	0.9	0.8	0.7	2.2	3.2	5.2									
Monthly av.	1.8	4.8	-1.5	6.3	1.7	82	Σ70.6	Σ2,792.1	Σ219.8	3.5	0.3	0.9	0.7	0.8	2.5	3.8	6.3										

Monthly Meteorological Data

February (1981)

Date	Items		Temperature (Ts)					H ₀	S	R	P	E	Wind			Soil Temperature (Ts)							Snow	Nt	Weather		
	Temperature		T ₁	T _x	T _n	T _r	T _m						d	V	0	5	10	20	30	50	100						
	T ₁	T _x																				T _n				T _r	T _m
1	2.0	5.5	0.4	5.1	3.0	92	0	31.1	7.2	0.7	NNE	3.4	×	×	×	×	×	×	×	×	×	×	×	50	10	●	
2	4.0	5.9	0.8	5.1	3.4	55	2.0	159.2	—	1.3	SW	×	×	×	×	×	×	×	×	×	×	×	×	49	9	☉	
3	3.5	5.4	-1.2	6.6	2.1	64	1.2	×	5.2	1.4	NE	4.0	×	×	×	×	×	×	×	×	×	×	×	50	10	☉	
4	2.0	3.6	-1.5	5.1	1.1	65	2.2	×	0.5	1.8	NE	5.1	×	×	×	×	×	×	×	×	×	×	×	50	10	☉	
5	0.3	4.5	-1.4	5.9	1.6	92	0.2	113.5	1.1	1.3	SW	1.4	×	×	×	×	×	×	×	×	×	×	×	50	10	☉	
6	1.9	8.8	-2.8	11.6	3.0	67	5.2	233.8	—	0.8	SW	1.8	-0.5	0.1	0.2	0.3	1.2	2.5	4.5	4.5	4.5	4.5	4.5	45	10	☉	
7	2.9	6.4	-0.9	7.3	2.8	83	2.2	149.9	1.0	1.6	WNW	2.9	-0.8	-0.2	0.4	0.4	2.2	2.4	4.5	4.0	6	①	40	6	①		
8	3.6	7.1	1.2	5.9	4.2	73	2.2	157.2	—	1.7	W	×	-0.5	0.1	0.3	0.3	2.2	2.3	4.5	4.0	10	☉	40	10	☉		
9	4.1	7.0	-1.0	8.0	3.0	60	0.9	133.5	6.0	0.6	W	×	-0.8	-0.2	0.1	0.3	2.2	2.3	4.3	3.8	7	①	38	7	①		
10	4.2	6.0	-0.1	6.1	3.0	56	4.7	182.0	2.6	1.4	NW	3.9	-0.7	-0.2	0.1	0.2	1.0	1.9	4.1	3.8	8	☉	38	8	☉		
10 days av.	2.9	6.0	-0.7	6.7	2.7	71	Σ20.8	(Σ1,160.2)	Σ23.6	Σ12.6	(Σ2.3)	3.2	(-0.7)	(-0.1)	(0.2)	(0.3)	(1.8)	(2.3)	(4.4)	(4.4)	(4.4)	(4.4)	(4.4)	(4.4)			
11	1.4	6.3	-0.4	6.7	3.0	82	4.1	145.3	—	2.0	W	4.5	-0.8	-0.2	0.2	0.1	0.9	2.2	4.2	4.2	4.2	4.2	4.2	37	9	☉	
12	3.7	8.5	-2.3	10.8	3.1	58	2.0	141.0	0.8	1.9	SSW	3.2	-0.4	0.2	0.1	0.0	1.0	1.9	4.1	2.8	7	①	28	7	①		
13	8.0	9.4	2.7	6.7	6.1	77	0	39.7	7.0	0.3	WSW	2.0	-0.5	0.1	0.3	0.2	0.9	1.8	5.0	25	10	☉	25	10	☉		
14	6.0	10.0	3.5	6.5	6.8	91	0.5	123.3	0.3	0.8	W	1.2	-0.5	0.1	0.0	0.1	0.8	1.8	4.0	10	10	☉	4.0	10	☉		
15	9.9	16.7	-2.0	18.7	7.4	53	7.5	313.9	—	3.0	W	2.1	-0.9	-0.3	-0.1	-0.2	0.9	1.7	3.8	1	1	○	3.8	1	○		
16	8.0	10.7	1.9	8.8	6.3	79	1.7	130.7	40.3	×	ESE	2.9	-0.5	0.1	0.0	0.3	0.8	1.6	3.8	10	10	☉	3.8	10	☉		
17	2.8	5.6	0.2	5.4	2.9	84	0.3	86.4	—	1.8	E	3.7	-0.6	0.0	-0.2	-0.3	0.5	1.3	3.3	10	10	☉	3.3	10	☉		
18	1.1	8.0	-2.4	10.4	2.8	75	7.2	264.4	—	2.9	W	2.6	-0.3	0.3	0.1	0.0	0.6	1.2	3.1	10	10	☉	3.1	10	☉		
19	8.0	8.2	0.1	8.1	4.2	61	0	69.3	—	1.7	E	3.7	5.9	3.9	3.4	2.4	1.7	1.7	3.2	10	10	☉	3.2	10	☉		
20	3.0	5.9	-0.1	6.0	2.9	56	2.5	167.6	1.3	2.0	NNE	2.2	4.0	1.1	0.9	1.4	2.2	2.6	3.8	10	10	☉	3.8	10	☉		
10 days av.	5.2	8.9	0.1	8.8	4.6	72	Σ25.8	(Σ1,481.6)	Σ49.7	(Σ16.4)	2.8	0.5	0.5	0.5	0.4	1.0	1.8	3.8	3.8	3.8	3.8	3.8	3.8				
21	3.9	5.4	0.6	4.8	3.0	72	1.5	155.9	4.1	0.8	WSW	3.2	3.3	2.8	2.5	2.3	3.1	3.0	4.0	7	7	①	4.0	7	①		
22	4.1	8.0	0.4	7.6	4.2	75	3.2	193.1	11.5	1.8	WSW	2.3	5.0	2.1	2.2	2.1	3.6	3.7	4.2	8	8	☉	4.2	8	☉		
23	5.0	6.6	0.6	6.0	3.6	96	0.3	29.8	6.3	1.0	ESE	2.5	3.8	3.4	3.2	2.8	3.7	4.2	4.7	10	10	●	4.7	10	●		
24	5.6	8.4	2.6	5.8	5.5	89	0	90.2	19.0	0.5	NNW	3.5	6.5	3.9	3.7	3.6	4.6	4.0	4.5	20	9	☉	4.5	9	☉		
25	-1.0	1.6	-2.8	4.4	-0.6	78	3.4	191.6	16.3	×	WNW	4.8	-0.1	0.5	0.3	0.2	4.6	4.6	4.9	34	9	☉	4.9	9	☉		
26	-6.3	-1.4	-8.0	6.6	-4.7	78	0	60.4	16.4	×	NNW	5.2	-0.5	0.1	0.5	1.1	2.0	3.7	5.1	30	10	☉	5.1	30	☉		
27	-0.8	1.2	-8.1	9.3	-3.5	81	2.8	173.6	4.0	1.3	NE	4.9	-0.2	0.4	0.4	1.8	1.9	3.5	5.2	33	10	☉	5.2	33	☉		
28	-0.8	6.6	-6.8	13.4	-0.1	81	7.5	300.0	0.6	1.6	SW	1.7	-0.3	0.3	0.4	0.6	1.8	1.7	5.2	35	5	①	5.2	35	①		
8 days av.	1.2	4.6	-2.7	7.2	0.9	81	Σ18.7	(Σ1,194.6)	Σ78.2	(Σ7.0)	3.5	2.2	1.7	1.7	1.8	3.2	3.6	4.7	4.7				4.7				
Monthly av.	3.2	6.6	-1.0	7.6	2.9	74	Σ65.3	(Σ3,836.4)	Σ151.5	(Σ36.0)	3.1	(0.8)	(0.8)	(0.9)	(1.9)	(2.5)	(4.3)	(4.3)	(4.3)	(4.3)	(4.3)	(4.3)	(4.3)				

Monthly Meteorological Data

March (1981)

Date	Items		Temperature					H ₉	S	R	P	E	Wind		Soil Temperature (Ts)							Snow	Nt	Weather
	T ₉	T _x	T _n	T _r	T _m	d	V						0	5	10	20	30	50	100					
1	2.2	5.3	-1.8	7.1	1.8	87	0	93.5	1.0	0.9	1.5	ESE	0.4	0.4	1.5	1.6	2.8	5.1	18	10	☉			
2	4.7	6.9	-0.1	7.0	3.4	55	7.1	349.6	—	3.3	3.3	E	-0.3	0.4	2.3	1.6	1.7	4.9	16	10	☉			
3	6.4	9.6	-4.3	13.9	2.7	47	4.5	×	7.0	1.3	WSW	0.3	0.2	1.9	1.4	1.2	4.9	4	4	☉				
4	5.2	11.6	1.1	10.5	6.4	86	4.9	273.7	4.9	2.7	WNW	0.3	0.4	0.3	1.3	2.6	4.9	10	10	☉				
5	4.2	7.3	-0.6	7.9	3.4	94	2.1	144.3	2.6	0.8	SW	2.5	2.2	2.0	2.3	2.4	3.0	4.5	10	10	☉			
6	5.6	8.8	-0.5	9.3	4.2	69	3.6	199.4	0.4	2.7	NNW	3.5	2.0	1.0	1.4	2.3	2.6	3.5	4.6	10	●			
7	6.0	15.6	-2.5	18.1	6.6	43	9.6	365.2	—	3.6	SW	3.9	6.7	1.5	2.7	3.4	4.0	5.0	0	0	☉			
8	6.8	9.5	3.8	5.7	6.7	74	5.0	282.3	3.2	3.1	NE	2.7	9.0	6.1	5.4	5.5	5.3	5.0	5.0	10	☉			
9	5.4	12.2	1.1	11.1	6.7	91	2.7	200.9	7.2	1.2	NNE	2.6	6.6	5.4	5.4	6.0	6.0	6.1	5.4	10	☉			
10	3.4	7.0	0.4	6.6	3.7	91	2.0	163.8	6.2	1.8	N	4.2	4.1	4.0	4.2	5.5	6.0	6.5	6.0	10	●			
10 days av.	5.0	9.4	-0.3	9.7	4.6	74	Σ41.5	Σ2,072.7	Σ32.5	Σ21.4	2.8	3.0	2.0	2.1	3.0	3.2	3.6	5.0						
11	4.6	11.0	-2.4	13.4	4.3	63	10.2	386.7	—	3.8	SSE	2.7	8.3	2.3	2.4	3.7	4.6	5.6	6.0	0	0	☉		
12	12.0	17.4	1.4	16.0	9.4	41	10.2	399.1	3.6	4.3	S	2.9	12.2	5.1	4.0	4.7	5.6	6.3	6.2	0	0	☉		
13	12.2	16.4	6.3	10.1	11.4	85	0.6	138.3	9.7	1.7	SSE	3.4	13.0	10.5	9.3	9.0	8.5	7.6	6.5	10	0	☉		
14	16.7	18.6	10.2	8.4	14.4	66	2.3	140.8	1.3	2.4	S	4.6	16.0	12.6	11.0	10.2	9.5	8.7	7.0	9	0	☉		
15	7.5	9.4	5.4	4.0	7.4	73	1.4	119.6	4.2	2.0	WNW	6.3	10.3	9.2	9.3	10.2	10.0	9.0	7.8	9	0	☉		
16	6.8	10.6	3.0	7.6	6.8	61	4.3	231.8	—	3.0	WNW	3.6	13.0	5.6	5.2	6.5	7.4	8.5	8.0	9	0	☉		
17	9.0	14.6	-0.2	14.8	7.2	53	8.7	389.7	—	4.0	SSE	1.8	10.1	6.6	5.8	7.0	7.8	8.6	8.0	8	0	☉		
18	10.8	15.1	0.6	14.5	7.9	48	10.5	432.5	—	4.9	S	2.5	15.5	8.0	6.6	7.6	8.5	9.0	8.1	0	0	☉		
19	16.0	20.2	4.6	15.6	12.4	43	8.2	354.1	—	5.2	SSE	2.5	16.5	9.4	8.0	8.7	9.3	9.6	8.5	5	0	☉		
20	15.6	17.4	7.4	10.0	12.4	56	9.4	368.8	—	4.0	N	1.2	20.0	12.8	11.4	11.5	11.5	10.6	8.8	0	0	☉		
10 days av.	11.1	15.1	3.6	11.4	9.4	59	Σ65.8	Σ2,961.4	Σ18.8	Σ35.3	3.2	13.5	8.2	7.3	7.9	8.3	8.4	7.5						
21	9.0	12.8	5.8	7.0	9.3	85	0	91.7	3.5	1.3	NNW	1.0	11.0	10.3	10.1	10.4	11.6	11.5	9.5	10	0	☉		
22	11.2	14.5	8.1	6.4	11.3	74	6.7	325.0	2.1	3.4	SSE	1.6	14.7	11.7	10.4	10.6	10.7	10.6	9.4	10	0	☉		
23	8.6	12.5	7.0	5.5	9.8	68	7.5	359.9	—	3.8	SSE	2.2	11.2	10.6	10.6	11.7	12.1	11.6	9.5	10	0	☉		
24	9.3	17.6	-0.9	18.5	8.4	48	5.4	258.6	6.1	1.6	S	2.5	15.0	9.2	7.6	8.9	10.4	11.5	10.0	7	0	☉		
25	17.2	19.3	10.7	8.6	15.0	74	0.2	92.8	1.1	2.0	W	7.1	15.1	13.8	12.6	12.0	11.6	11.0	9.9	10	0	☉		
26	12.1	13.4	6.9	6.5	10.2	44	3.9	184.3	6.5	2.5	W	×	11.6	10.4	9.6	10.6	11.2	11.5	10.0	9	0	☉		
27	8.2	10.0	3.4	6.6	6.7	72	3.0	228.0	—	2.0	NNE	3.2	7.4	7.0	7.1	8.5	9.3	10.3	10.2	10	0	☉		
28	8.4	13.1	-0.4	13.5	6.4	58	6.0	291.2	—	2.7	S	2.0	12.3	7.6	6.1	6.9	8.2	9.6	10.1	9	0	☉		
29	7.9	4.8	2.5	2.3	3.7	50	4.9	312.9	—	4.0	SSE	2.4	19.0	11.0	8.1	8.9	8.7	9.5	9.6	8	0	☉		
30	9.5	11.3	5.5	5.8	8.4	52	5.2	308.4	—	3.5	SSE	2.8	14.5	10.5	9.6	10.4	10.5	10.6	10.0	9	0	☉		
31	6.5	12.3	1.6	10.7	7.0	75	5.0	285.6	—	3.2	NE	2.4	8.4	7.8	7.8	9.4	10.0	10.6	10.0	10	0	☉		
11 days av.	9.8	12.9	4.6	8.3	8.7	64	Σ47.8	Σ2,738.4	Σ19.3	Σ30.0	2.7	12.7	10.0	9.1	9.8	10.4	10.8	9.8						
Monthly av.	8.7	12.5	2.7	9.8	7.6	65	Σ155.1	Σ7,772.5	Σ70.6	Σ86.7	2.9	9.8	6.8	6.3	7.0	7.4	7.7	7.5						

Monthly Meteorological Data

April (1981)

Date	Items		Temperature							H ₉	S	R	P	E	Wind		Soil Temperature (Ts)							Snow	Nt	Weather
	T ₉	T _x	Temperature					V	d						0	5	10	20	30	50	100					
			T _n	T _r	T _m	T _h	T _w																			
1	11.3	11.6	0.2	11.4	5.9	67	1.0	61.7	33.2	0.2	NW	0.8	8.5	7.5	7.2	8.5	9.4	10.5	10.0	10	☉					
2	8.4	11.4	6.6	4.8	9.0	87	4.1	150.1	—	1.5	SE	3.3	9.3	9.0	8.8	9.4	9.6	9.9	10.0	10	☉					
3	11.6	14.8	-0.4	15.2	7.2	39	10.0	450.9	2.1	5.0	×	1.9	16.5	8.3	5.9	6.3	7.6	9.1	10.0	0	☉					
4	9.6	11.4	6.8	4.6	9.1	93	0.7	101.0	10.4	1.0	×	1.4	10.5	10.4	10.0	10.6	10.6	10.5	10.0	10	●					
5	10.0	13.4	4.7	8.7	9.1	93	0	78.4	5.6	0.3	S	0.7	11.5	9.5	8.5	9.0	9.5	10.2	10.0	10	●					
6	12.8	13.2	8.8	4.4	11.0	89	0	92.5	0.4	0.6	WNW	1.3	14.5	11.9	11.0	10.7	10.5	10.5	10.0	10	☉					
7	11.6	15.4	3.8	11.6	9.0	82	7.7	404.1	—	4.2	SSE	1.4	14.6	10.3	8.3	8.6	9.3	10.1	10.3	10	☉					
8	12.4	19.0	2.7	16.3	10.9	62	10.6	453.2	—	5.3	SSE	2.7	19.5	12.4	9.6	10.0	10.9	11.4	10.2	7	☉					
9	18.8	19.6	7.1	12.5	13.4	56	0	146.1	16.5	2.5	SW	4.7	19.2	15.7	14.0	13.1	12.9	12.0	10.5	10	☉					
10	14.4	15.9	10.6	5.3	13.3	84	0	132.4	0.2	1.3	NW	3.1	15.4	14.2	13.3	13.0	13.0	12.4	10.7	10	☉					
10 days av.	12.1	14.6	5.1	9.5	9.8	75	Σ34.1	Σ2,070.5	Σ88.5	Σ21.9		2.1	14.0	10.9	9.7	9.9	10.3	10.7	10.2							
11	15.4	18.6	7.3	11.3	13.0	70	8.1	382.4	—	4.3	SW	2.1	16.5	13.6	12.1	11.9	12.3	12.4	11.0	10	☉					
12	15.4	20.9	6.6	14.3	13.8	55	5.6	372.0	3.4	4.6	E	1.9	19.0	14.5	12.7	13.2	12.7	13.0	11.5	10	☉					
13	10.6	13.7	9.0	4.7	11.4	93	1.0	104.4	4.0	1.3	ENE	2.7	12.6	12.8	13.4	14.6	14.7	14.4	11.5	10	●					
14	13.7	16.1	5.2	10.9	10.7	66	11.6	422.6	—	4.6	SW	1.9	20.5	13.8	11.1	11.1	12.4	13.0	12.0	6	☉					
15	16.4	20.2	5.7	14.5	13.0	35	3.8	253.8	29.0	3.7	SW	4.0	16.6	13.5	11.6	12.0	13.0	13.4	12.0	9	☉					
16	12.4	13.2	10.4	2.8	11.8	93	0	80.9	18.5	1.3	ENE	2.5	14.9	13.5	13.0	13.3	13.6	13.5	12.0	10	●					
17	13.2	16.2	7.6	8.6	11.9	65	10.6	488.6	—	4.9	SW	3.0	21.1	14.6	12.0	11.5	12.1	12.6	12.4	3	☉					
18	16.0	19.6	4.6	15.0	12.1	47	9.3	391.3	2.3	4.8	SSW	1.9	21.7	14.6	12.4	12.5	13.5	14.0	12.5	8	☉					
19	11.2	16.4	9.9	6.5	13.2	88	0	95.3	24.8	1.7	W	3.1	12.5	13.3	13.7	14.6	14.9	14.6	12.5	10	●					
20	8.5	13.2	7.2	6.0	10.2	86	0	58.9	6.6	1.4	WNW	5.3	10.1	10.0	10.4	12.0	13.0	13.6	12.6	10	●					
10 days av.	13.3	16.8	7.4	9.5	11.1	70	Σ50.0	Σ2,650.2	Σ88.6	Σ32.6		2.8	16.6	13.4	12.2	12.7	13.2	13.5	12.0							
21	13.2	19.4	3.8	15.6	11.6	66	11.4	433.8	—	5.3	SW	2.1	20.6	13.4	10.1	9.6	10.6	12.0	12.7	0	☉					
22	19.9	23.5	5.3	18.2	14.4	33	11.3	474.2	—	6.4	SW	2.4	25.6	15.8	12.6	12.2	13.2	13.5	12.5	0	☉					
23	20.6	22.6	7.7	14.9	15.2	33	11.4	478.0	—	6.7	SSW	2.1	29.0	17.5	14.6	14.1	14.6	14.6	12.6	0	☉					
24	23.0	25.1	7.4	17.7	16.3	29	11.2	368.3	14.5	7.2	SW	3.1	31.9	18.5	15.5	15.3	15.8	15.5	13.0	5	☉					
25	14.0	17.7	9.3	8.4	13.5	62	8.7	415.8	—	5.7	SW	2.6	18.5	15.3	15.2	16.4	16.7	16.4	13.3	8	☉					
26	18.2	22.9	4.5	18.4	13.7	32	10.7	509.5	—	8.0	SSW	2.5	24.5	16.5	14.7	14.0	15.5	16.0	14.1	6	☉					
27	23.0	24.0	11.0	13.0	17.6	36	10.6	434.0	—	6.2	SSW	2.0	28.0	18.9	16.4	16.3	16.8	16.7	14.0	5	☉					
28	16.4	22.8	6.8	16.0	14.8	58	11.7	522.9	—	7.7	SSW	2.3	28.6	19.2	16.5	16.4	17.0	17.4	14.4	0	☉					
29	22.4	23.5	10.5	13.0	17.0	53	4.0	228.5	11.0	3.0	WSW	6.4	31.5	21.0	18.3	18.2	17.5	17.5	14.5	7	☉					
30	17.0	21.4	13.5	7.9	17.5	72	8.7	393.5	—	5.4	SW	3.6	20.0	17.7	16.7	16.5	16.6	17.0	14.8	7	☉					
10 days av.	18.8	22.3	8.0	14.3	15.2	47	Σ99.7	Σ4,308.5	Σ25.5	Σ61.6		2.9	25.8	17.4	15.1	14.9	15.4	15.7	13.6							
Monthly av.	14.7	17.9	6.8	11.1	12.0	64	Σ183.8	Σ9,029.2	Σ182.6	Σ116.1		2.6	18.8	13.9	12.3	12.5	13.0	13.3	11.9							

May (1981)

Monthly Meteorological Data

Date	Items				H _g	S	R	P	E	Wind		Soil Temperature (Ts)							Snow	Nt	Weather
	T _g	T _x	T _n	T _r						T _m	d	V	0	5	10	20	30	50			
1	21.7	23.7	9.0	14.7	16.4	42	11.9	503.5	0.7	8.5	SW	2.5	28.0	19.8	16.6	16.1	17.0	17.5	15.0	0	○
2	17.2	24.2	11.6	12.6	17.9	77	4.8	280.6	1.4	6.4	WSW	6.6	17.0	17.8	17.9	18.1	18.2	18.1	15.0	10	●
3	13.4	14.6	12.2	2.4	13.4	83	0.4	65.2	11.6	0.4	WSW	2.8	14.4	16.6	17.7	18.5	18.4	18.1	15.0	10	●
4	14.8	19.1	5.8	13.3	12.5	66	6.4	332.4	—	4.2	SSW	2.5	18.7	14.4	12.7	13.2	14.6	15.9	15.4	10	⊙
5	18.7	21.2	6.8	14.4	14.0	39	10.5	438.3	—	5.8	SSW	1.7	25.8	17.2	13.8	13.4	14.6	15.5	15.0	4	⊙
6	16.4	18.8	10.7	8.1	14.8	49	0	88.7	6.0	0.3	SSW	1.7	17.6	15.9	15.4	16.1	16.6	16.5	15.0	10	●
7	14.4	20.0	13.0	7.0	16.5	94	1.2	185.8	3.3	3.7	SW	1.0	14.9	14.9	14.8	15.4	15.6	16.0	15.0	10	●
8	20.2	24.8	8.5	16.3	16.7	54	12.1	509.3	—	8.6	WSW	2.4	26.1	18.4	15.1	14.4	15.2	15.9	15.0	0	○
9	24.2	29.3	13.1	16.2	21.2	43	7.6	368.0	42.0	8.3	SSW	2.1	26.4	21.0	19.1	18.1	17.9	17.5	15.0	10	⊙
10	24.6	29.2	15.0	14.2	22.1	65	6.8	330.6	—	6.4	SW	1.8	27.4	22.4	20.5	19.4	19.5	19.0	15.5	9	⊙
10 days av.	18.6	22.5	10.6	11.9	16.6	61	Σ61.7	Σ3,102.4	Σ65.0	Σ52.6		2.5	21.6	17.8	16.4	16.3	16.8	17.0	15.1		
11	27.0	29.0	17.2	11.8	23.1	65	6.0	268.4	61.5	×	WSW	4.5	33.0	27.0	24.0	21.6	21.0	20.0	16.1	8	⊙
12	16.3	18.8	12.2	6.6	15.5	57	10.1	429.9	—	5.6	SW	2.4	21.9	19.3	18.4	18.9	19.8	20.7	17.3	10	⊙
13	17.8	20.0	7.8	12.2	13.9	61	12.0	476.9	—	6.8	SW	2.3	28.0	20.3	17.6	17.6	19.0	20.0	17.5	5	⊙
14	20.6	24.2	7.6	16.6	15.9	61	11.1	473.1	—	7.4	SSW	2.6	31.5	20.4	17.8	17.6	19.0	19.8	17.5	2	○
15	19.8	25.6	11.8	13.8	18.7	50	3.3	269.9	—	4.7	SSW	2.3	29.0	20.4	18.9	19.2	19.7	20.0	17.5	9	⊙
16	17.4	18.0	9.2	8.8	13.6	70	7.9	311.1	25.0	6.0	E	2.9	28.4	20.6	18.4	18.1	19.0	19.5	17.6	9	⊙
17	13.8	15.6	12.2	3.4	13.9	92	0	60.4	24.3	0.3	NW	1.9	15.4	15.8	16.1	17.5	18.5	19.5	18.0	10	●
18	12.9	13.3	9.8	3.5	11.6	76	0	116.5	6.5	0.6	WNW	3.6	15.9	14.5	14.0	15.1	16.3	17.5	17.5	10	●
19	11.2	16.8	8.5	8.3	12.7	82	5.9	320.7	—	3.8	NNW	2.4	13.6	13.3	12.6	13.5	14.7	16.0	17.0	10	⊙
20	15.2	20.5	6.9	13.6	13.7	52	12.7	539.1	—	7.1	SW	1.7	26.0	18.8	15.5	14.8	15.6	16.5	16.5	0	○
10 days av.	17.2	20.2	10.3	9.9	15.3	67	Σ69.0	Σ3,266.0	Σ117.3	Σ42.3		2.7	24.3	19.0	17.3	17.4	18.3	19.0	17.3		
21	20.8	23.6	6.9	16.7	15.3	45	11.8	519.9	—	7.9	SW	2.4	31.1	20.9	17.4	16.4	17.3	17.5	16.5	3	⊙
22	23.7	25.4	11.2	14.2	18.3	43	12.1	519.4	—	7.2	SSW	2.4	34.5	22.6	19.5	18.4	18.8	18.6	16.5	1	○
23	26.2	28.3	12.9	15.4	20.6	35	11.3	503.5	1.2	6.9	SW	1.9	36.2	23.6	20.9	19.7	20.0	20.0	17.0	0	○
24	16.6	18.9	14.6	4.3	16.8	83	0.1	74.3	8.5	1.0	SSW	1.5	18.5	19.9	20.3	21.0	21.2	21.0	17.4	10	●
25	19.0	24.3	12.2	12.1	18.3	79	9.2	453.2	—	6.1	SSW	2.1	22.7	17.7	16.9	17.3	18.1	19.0	17.5	6	⊙
26	24.7	27.4	12.9	14.5	20.2	47	11.6	484.8	—	7.6	SSW	1.8	29.6	22.7	19.6	18.6	19.3	19.5	17.5	7	⊙
27	25.8	31.0	12.9	18.1	22.0	50	7.2	357.4	—	8.5	WNW	3.4	32.1	24.3	21.6	20.5	22.1	20.8	17.8	8	⊙
28	24.0	24.1	20.0	4.1	22.1	58	0.1	162.0	4.3	2.9	NNW	5.3	27.4	23.9	23.0	22.6	22.1	21.5	18.1	10	⊙
29	16.6	19.4	15.0	4.4	17.2	75	7.7	389.7	—	6.8	NE	4.6	20.0	19.9	19.3	19.4	19.9	20.5	18.5	10	⊙
30	14.4	22.6	11.3	11.3	17.0	63	10.5	517.4	—	8.1	E	3.2	26.5	21.0	19.3	19.0	19.8	20.4	18.5	8	⊙
31	22.8	25.0	9.2	15.8	17.1	42	9.9	386.2	6.0	5.5	SW	2.9	31.8	22.7	19.9	19.2	20.0	20.5	18.3	4	⊙
11 days av.	21.3	24.5	12.6	11.9	18.6	56	Σ91.5	Σ4,367.8	Σ20.0	Σ68.5		2.9	28.2	21.7	19.8	19.3	19.8	19.9	17.6		
Monthly av.	19.1	22.5	11.2	11.2	16.9	61	Σ222.2	Σ10,736.2	Σ202.3	Σ163.4		2.7	24.8	19.6	17.9	17.7	18.3	18.7	16.7		

Monthly Meteorological Data

June (1981)

Date	Temperature					H ₉	S	R	P	E	Wind		Soil Temperature (Ts)							Snow	Nt	Weather
	T ₉	T _x	T _n	T _r	T _m						d	V	0	5	10	20	30	50	100			
1	14.4	18.2	13.5	4.7	15.9	84	1.3	165.8	—	2.6	NE	3.5	15.1	16.4	17.0	18.6	19.6	20.4	18.5	10	●	
2	15.8	20.4	11.8	8.6	16.1	64	10.7	547.2	—	7.0	SW	2.2	27.3	21.1	18.1	17.0	17.9	18.8	18.4	4	○	
3	20.6	24.8	8.5	16.3	16.7	33	11.8	509.8	—	8.0	SW	2.1	29.1	21.0	18.0	17.8	18.9	19.6	18.4	0	○	
4	23.0	26.4	13.8	12.6	20.1	42	6.4	393.3	—	6.9	SW	2.9	27.8	21.0	20.1	20.4	20.5	18.2	10	○		
5	23.6	25.8	13.4	12.4	19.6	49	11.9	489.3	—	7.2	SW	2.1	32.4	23.6	21.0	20.0	20.6	21.0	18.5	5	○	
6	22.5	25.1	12.6	12.5	18.9	53	11.9	518.1	—	8.3	SSW	2.7	36.0	24.6	22.0	21.0	21.4	21.5	18.8	0	○	
7	25.1	28.4	15.0	13.4	21.7	45	11.5	444.2	—	8.7	SW	2.0	36.2	24.7	22.6	22.0	22.5	22.0	19.0	0	○	
8	27.8	29.8	14.8	15.0	22.3	41	11.9	477.4	—	8.8	SW	2.1	38.7	26.0	23.6	22.6	22.9	22.8	19.4	1	○	
9	24.1	29.2	16.2	13.0	22.7	60	8.5	465.3	—	7.7	ENE	2.2	36.8	26.0	24.0	23.4	23.7	23.4	19.5	9	○	
10	23.2	23.6	18.4	5.2	21.0	70	0	169.8	—	2.9	SSW	1.5	27.6	24.5	24.2	24.4	24.4	23.8	20.0	10	○	
10 days av.	22.0	25.2	13.8	11.4	19.5	54	Σ84.9	Σ4,180.2	—	Σ68.1		2.3	30.7	23.0	21.1	20.7	21.2	21.4	18.9			
11	23.2	25.0	17.7	7.3	21.4	64	0.5	239.6	4.9	3.1	E	1.3	39.6	24.4	23.3	22.9	23.1	23.0	20.1	10	○	
12	19.4	20.6	17.8	2.8	19.2	95	0	69.3	18.0	0.9	ENE	0.9	22.1	22.0	22.4	22.8	23.0	22.9	20.2	10	●	
13	20.0	20.4	18.2	2.2	19.3	93	0	131.9	1.1	1.1	ENE	0.6	24.6	22.6	21.6	21.3	21.5	21.8	21.3	10	○	
14	18.8	19.6	17.6	2.0	18.6	96	0	58.7	13.1	0.4	E	1.6	20.3	20.5	20.6	21.0	21.2	20.5	20.2	10	○	
15	19.0	22.1	17.4	4.7	19.8	96	4.4	347.3	—	5.6	E	2.2	21.7	20.9	20.5	20.3	20.5	20.9	20.0	10	●	
16	21.2	28.1	15.9	12.2	22.0	78	11.0	473.1	—	7.8	SW	1.6	26.5	21.5	23.5	22.0	22.0	22.0	20.0	8	○	
17	28.8	31.2	20.2	11.0	25.7	59	9.9	424.6	10.4	6.8	ENE	2.0	34.8	28.5	25.8	24.1	23.9	23.4	20.0	7	○	
18	20.6	26.1	19.4	6.7	22.8	96	1.9	207.3	0.6	3.1	NNE	1.0	22.6	23.6	24.5	25.4	25.4	24.5	20.5	10	●	
19	22.0	23.7	18.3	5.4	21.0	83	6.5	340.5	5.4	5.0	E	1.6	26.0	23.4	23.0	23.3	23.6	23.9	21.0	10	○	
20	20.4	24.7	18.0	6.7	21.4	88	0	160.2	1.7	1.8	SW	1.6	23.4	22.7	22.6	23.3	23.6	23.6	21.0	10	●	
10 days av.	21.3	24.2	18.1	6.1	21.1	85	Σ34.2	Σ2,452.5	Σ55.2	Σ35.6		1.4	26.2	22.9	22.8	22.6	22.8	22.7	20.4			
21	22.5	27.3	19.2	8.1	23.3	91	0	147.4	17.1	2.9	SSW	2.5	24.4	23.4	22.7	22.5	22.7	23.0	21.0	10	●	
22	27.3	30.4	20.9	9.5	25.7	70	0.4	187.3	32.0	5.0	SW	4.8	27.5	25.0	23.9	23.0	22.9	23.0	21.0	10	○	
23	19.0	23.2	17.6	5.6	20.4	94	3.2	264.1	—	3.5	N	1.9	21.6	21.9	22.4	23.4	23.6	23.6	21.0	10	●	
24	22.2	25.8	16.6	9.2	21.2	66	2.1	302.8	24.8	5.6	ENE	1.4	25.7	23.4	22.0	21.8	22.5	23.0	21.5	10	○	
25	18.4	21.4	17.2	4.2	19.3	93	0	36.9	81.0	×	SSW	1.3	20.1	20.9	21.6	22.6	23.1	23.4	21.4	10	○	
26	21.0	27.8	17.3	10.5	22.6	99	0.7	209.3	29.1	4.1	SW	2.6	24.0	22.5	21.7	21.1	21.1	21.6	21.5	10	○	
27	27.6	28.2	20.0	8.2	24.1	70	3.0	325.0	1.6	3.4	SW	1.5	30.6	26.8	25.1	23.4	22.8	23.0	21.5	9	○	
28	24.6	27.8	21.8	6.0	24.8	89	0.6	177.7	18.4	2.6	NW	1.6	26.6	26.2	25.3	24.5	24.1	23.5	21.5	10	●	
29	22.4	23.4	21.0	2.4	22.2	95	0	119.3	9.7	1.4	NNE	1.1	23.1	23.4	23.5	23.6	23.7	23.9	21.5	10	●	
30	22.3	26.6	17.9	8.7	22.3	93	1.0	232.8	—	2.9	SW	1.0	25.4	23.0	22.1	22.0	22.5	23.0	21.5	10	○	
10 days av.	22.7	26.2	19.0	7.2	22.6	86	Σ11.0	Σ2,002.6	Σ213.7	Σ31.4		2.0	24.9	23.7	23.0	22.8	22.9	23.1	21.3			
Monthly av.	22.0	25.2	16.9	8.2	21.1	75	Σ130.1	Σ8,635.3	Σ268.9	Σ135.1		1.9	27.3	23.2	22.3	22.0	22.3	22.4	20.2			

Monthly Meteorological Data

Date	Temperature				Hs	S	R	P	E	Wind		Soil Temperature (Ts)							Snow	Nt	Weather
	T ₉	T _x	T _n	T _m						d	V	0	5	10	20	30	50	100			
1	25.1	26.7	20.2	6.5	82	0.6	229.7	11.9	1.3	SW	1.5	34.4	27.6	25.0	23.3	23.3	23.0	21.5	7	⊙	
2	24.5	29.8	20.9	8.9	85	2.2	199.7	18.7	4.4	SSW	2.1	25.3	24.5	24.9	23.5	23.5	23.5	21.5	10	●	
3	22.2	22.8	22.0	0.8	88	0.1	20.1	142.2	×	SW	1.9	23.1	23.5	24.0	24.3	24.1	24.0	20.5	10	●	
4	21.4	28.2	20.0	8.2	98	0.5	165.8	—	2.0	NNE	1.0	23.9	22.9	22.4	22.0	22.3	22.6	22.1	10	●	
5	27.8	31.9	20.2	11.7	71	2.8	336.4	—	8.2	SW	3.9	31.8	27.7	25.4	23.5	23.2	23.0	22.5	8	⊙	
6	30.1	32.9	25.0	7.9	59	5.3	371.5	24.6	8.8	SW	4.9	36.1	30.5	27.8	26.0	25.5	25.0	22.0	7	⊙	
7	26.8	29.4	21.8	7.6	72	6.8	398.3	—	6.7	N	1.5	31.4	28.3	26.5	26.0	26.1	26.0	22.4	9	⊙	
8	29.0	33.2	19.8	13.4	61	8.5	392.0	—	8.8	SSW	2.5	36.8	30.5	27.5	26.3	26.5	26.5	23.0	3	⊙	
9	30.8	33.6	24.2	9.4	59	9.9	425.6	2.2	10.2	SW	4.9	40.7	32.7	29.7	28.0	27.5	27.1	23.4	7	⊙	
10	24.4	30.9	23.1	7.8	92	0.3	177.2	0.6	4.0	SW	2.9	27.0	27.4	27.9	28.5	28.6	28.0	23.5	10	●	
10 days av.	26.2	29.9	21.7	8.2	77	Σ37.0	Σ2,716.3	Σ200.2	Σ54.4		2.7	31.1	27.6	26.1	25.1	25.1	24.9	22.2			
11	30.2	30.9	22.3	8.6	64	3.5	209.3	28.9	2.7	S	1.7	38.1	31.8	28.4	26.5	26.6	26.7	24.0	7	⊙	
12	26.2	32.6	23.0	9.6	91	7.6	351.6	0.1	8.1	WSW	3.5	29.5	25.9	25.5	25.6	26.3	26.5	24.0	8	⊙	
13	27.9	32.0	25.2	6.8	77	2.1	201.2	11.0	4.1	SW	3.2	31.0	29.1	28.3	27.6	27.5	27.1	24.0	9	⊙	
14	28.6	32.4	23.2	9.2	72	2.5	242.9	8.8	4.4	SW	2.0	29.4	27.5	26.8	26.4	26.6	26.9	23.8	9	⊙	
15	30.2	32.5	24.8	7.7	60	5.3	335.1	—	6.4	SW	×	35.0	29.5	27.0	26.4	26.6	27.0	24.5	8	⊙	
16	30.0	32.2	23.5	8.7	69	6.2	343.7	—	7.4	SSW	×	35.0	30.4	28.3	27.6	27.7	27.5	24.4	8	⊙	
17	31.6	32.9	23.4	9.5	61	10.9	473.7	—	9.8	SSW	1.5	42.1	33.0	30.0	28.6	28.6	28.3	24.5	0	⊙	
18	30.8	32.6	22.5	10.1	61	12.3	483.0	—	9.2	NE	1.6	42.0	33.0	30.7	29.8	29.8	29.2	25.0	3	⊙	
19	29.5	33.5	23.2	10.3	71	12.9	522.9	—	10.6	ENE	1.4	44.6	33.7	31.5	30.5	30.6	29.6	25.5	4	⊙	
20	30.7	33.4	23.2	10.2	67	11.5	491.3	—	9.8	NE	1.2	45.8	34.0	31.9	31.3	31.4	30.6	25.6	1	⊙	
10 days av.	29.6	32.5	23.4	9.1	69	Σ74.8	Σ3,654.7	Σ48.8	Σ72.5		2.0	37.3	30.8	28.8	28.0	28.2	27.9	24.5			
21	30.8	33.2	23.3	9.9	62	9.9	440.0	—	9.9	SSW	1.8	45.4	33.6	31.9	31.5	31.7	31.0	26.0	0	⊙	
22	29.8	32.0	22.7	9.3	62	5.8	299.8	—	6.0	N	1.4	43.0	32.6	31.4	31.2	31.6	31.1	26.5	9	⊙	
23	27.4	30.0	23.5	6.5	80	6.0	369.8	—	8.1	E	2.4	42.8	31.3	30.1	30.4	30.9	30.4	26.5	7	⊙	
24	26.5	28.2	20.5	7.7	66	11.2	466.6	—	9.6	SSW	1.9	43.5	31.4	29.7	29.6	30.3	30.0	26.6	5	⊙	
25	26.8	29.8	17.7	12.1	60	12.7	499.9	—	10.4	E	2.6	43.3	30.0	28.4	28.9	29.8	30.0	26.6	1	⊙	
26	27.9	29.6	19.8	9.8	61	12.5	522.9	—	9.7	SW	×	44.1	30.7	29.0	30.2	29.8	29.9	26.7	3	⊙	
27	27.3	32.0	18.4	13.6	63	10.2	467.1	—	8.3	ENE	×	43.5	30.3	28.8	29.3	29.9	30.0	26.7	2	⊙	
28	32.0	33.1	22.0	11.1	57	11.0	463.8	—	9.8	ENE	1.8	45.0	32.1	30.1	29.9	30.3	30.0	26.7	1	⊙	
29	32.4	34.1	22.5	11.6	50	12.5	536.1	—	11.0	SSW	2.9	45.0	32.3	30.6	30.6	31.0	30.6	26.8	0	⊙	
30	30.6	32.5	21.0	11.5	62	10.9	411.5	—	9.1	E	3.2	46.7	32.7	30.7	30.9	31.4	31.0	27.0	1	⊙	
31	30.9	35.7	22.6	13.1	62	6.8	333.1	—	10.3	WSW	2.4	44.4	33.1	30.7	30.6	31.0	31.6	27.5	8	⊙	
11 days av.	29.3	31.8	21.3	10.6	62	Σ109.5	Σ4,810.6	Σ	Σ102.2		2.3	44.2	31.8	30.1	30.3	30.7	30.5	26.7			
Monthly av.	28.4	31.4	22.1	9.3	69	Σ221.3	Σ11,181.6	Σ249.0	Σ223.1		2.4	37.7	30.1	28.4	27.9	28.1	27.9	24.6			

Monthly Meteorological Data

August (1981)

Date	Items		Temperature					H _g	S	R	P	E	Wind		Soil Temperature (T _s)							Snow	Nt	Weather
	T _g	T _x	Temperature			d	V						0	5	10	20	30	50	100					
			T _n	Tr	Tm																			
1	31.4	35.8	26.2	9.6	31.0	55	8.8	428.2	—	—	13.7	WSW	4.3	40.4	31.6	31.0	31.3	30.6	27.1	5	⊕			
2	31.8	36.0	24.4	11.6	30.2	56	12.8	487.0	—	—	11.7	SW	×	46.0	33.7	31.5	31.2	31.5	31.0	27.5	1	⊙		
3	32.4	33.6	22.1	11.5	27.9	53	11.7	490.3	2.3	—	9.0	SSW	×	46.6	33.1	30.9	31.1	31.6	31.4	27.5	1	⊙		
4	25.0	28.6	23.5	5.1	26.1	91	0.9	123.1	21.5	—	5.1	E	3.1	27.1	29.3	30.5	31.3	31.6	31.4	27.5	10	●		
5	24.0	27.2	21.2	6.0	24.2	60	10.0	428.9	—	—	10.0	ENE	4.2	28.5	26.1	25.1	26.0	27.5	28.8	27.5	6	⊕		
6	24.6	26.8	16.3	10.5	21.6	52	11.0	356.6	—	—	9.0	SW	1.6	34.4	28.5	25.7	25.6	27.0	28.4	27.0	7	⊕		
7	23.2	25.4	17.2	8.2	21.3	60	0	88.0	16.3	—	2.3	SW	2.9	23.9	24.4	24.9	26.1	27.0	28.4	26.6	10	⊙		
8	22.9	29.6	21.3	8.3	25.5	93	3.9	255.5	—	—	4.5	SW	1.7	24.8	24.3	24.4	24.9	25.8	26.9	26.5	10	⊙		
9	29.2	31.7	21.6	10.1	26.7	65	7.8	374.8	—	—	7.1	SW	1.8	34.0	29.0	26.5	25.6	26.3	27.0	26.0	8	⊙		
10	30.2	33.2	22.6	10.6	27.9	64	8.0	338.4	—	—	6.4	ENE	1.5	37.5	30.8	28.1	27.4	27.7	27.8	25.8	8	⊙		
10 days av.	27.5	30.8	21.6	9.2	26.2	65	Σ74.9	Σ3,370.8	Σ40.1	Σ78.8	—	—	2.6	34.3	29.1	27.9	28.0	28.8	29.2	26.9	—	—	—	
11	28.7	29.4	24.5	4.9	27.0	69	0	137.5	1.8	—	3.4	WSW	3.8	30.3	28.5	28.3	28.6	28.9	28.6	26.0	10	⊙		
12	27.2	29.2	22.2	7.0	25.7	70	9.0	443.6	—	—	7.4	ENE	2.2	33.3	27.9	26.5	26.5	27.1	27.7	26.1	2	⊙		
13	26.5	28.3	19.0	9.3	23.7	76	10.3	454.2	—	—	8.3	E	2.3	35.1	28.6	26.6	26.8	27.6	28.0	26.0	5	⊙		
14	25.0	29.0	20.3	8.7	24.7	78	7.1	368.5	—	—	7.1	ENE	2.6	30.5	27.2	26.7	27.5	28.1	28.4	26.0	10	⊙		
15	25.6	29.3	18.0	11.3	23.7	72	11.9	493.1	—	—	9.0	ENE	2.5	36.5	28.2	26.2	26.5	27.7	28.1	26.0	1	⊙		
16	29.2	30.2	19.0	11.2	24.6	64	11.9	474.9	—	—	8.2	NE	1.9	39.0	29.1	27.1	27.3	28.2	28.3	26.0	1	⊙		
17	28.2	31.4	20.6	10.8	26.0	63	10.6	461.5	—	—	10.2	S	2.5	35.3	29.0	27.7	28.0	28.7	28.8	26.3	7	⊕		
18	30.4	35.2	23.5	11.7	29.4	54	7.7	395.0	3.9	—	7.8	S	3.6	38.4	30.3	29.0	29.0	29.3	29.3	26.4	8	⊕		
19	28.4	30.0	22.9	7.1	26.5	76	8.8	389.0	—	—	6.0	NE	1.7	34.6	30.6	29.0	29.4	29.6	29.5	26.5	6	⊕		
20	28.0	32.5	21.4	11.1	27.0	73	9.0	412.0	1.6	—	7.0	SSW	2.1	36.4	31.0	28.7	28.3	29.0	29.4	26.5	0	⊙		
10 days av.	27.7	30.5	21.1	9.3	25.8	70	Σ85.5	Σ4,029.3	Σ7.3	Σ74.4	—	—	2.5	34.9	29.0	27.6	27.8	28.4	28.6	26.2	—	—	—	
21	32.6	36.2	23.8	12.4	30.0	54	7.7	354.7	—	—	6.5	NNW	2.1	42.5	32.5	30.0	29.4	29.6	29.5	27.0	5	⊕		
22	24.0	24.7	23.5	1.2	24.1	97	0	61.0	15.0	—	1.5	NNE	2.0	25.5	27.0	28.5	29.5	29.8	30.0	27.0	10	●		
23	23.6	28.2	20.2	8.0	24.2	69	8.6	420.5	—	—	7.2	S	3.1	24.6	23.2	24.4	24.5	26.1	27.5	27.0	8	⊙		
24	26.6	28.9	16.8	12.1	22.9	54	11.1	430.3	—	—	7.3	S	2.5	30.0	25.7	24.2	24.5	26.0	27.4	26.5	7	⊙		
25	25.8	31.2	19.6	11.6	25.4	68	1.9	248.2	—	—	7.0	SSW	3.3	26.4	25.0	24.6	25.5	26.5	27.5	26.1	10	⊙		
26	29.9	34.6	20.7	13.9	27.7	56	8.2	339.9	12.0	—	9.4	SSW	5.1	34.3	29.0	26.7	26.4	26.7	27.1	26.0	7	⊕		
27	21.6	25.4	20.5	4.9	23.0	95	0	34.1	26.3	—	1.3	S	1.5	23.0	24.4	25.5	27.0	27.7	28.0	26.0	10	●		
28	24.6	28.4	18.8	9.6	23.6	81	6.2	321.8	—	—	5.7	SSW	2.1	31.4	25.5	25.0	24.0	25.0	26.1	26.0	5	⊕		
29	27.0	31.2	23.4	7.8	27.3	76	0.1	162.4	0.4	—	5.5	SSW	4.9	27.5	26.5	26.1	26.2	26.5	27.0	26.6	9	⊕		
30	31.8	34.4	21.2	13.2	27.8	61	7.6	298.4	—	—	8.0	SSW	4.0	36.6	29.9	27.3	26.3	26.6	26.5	25.6	6	⊕		
31	31.2	35.8	24.0	11.8	29.9	60	8.4	331.6	—	—	9.5	SSW	3.8	36.7	29.3	27.9	27.7	28.0	27.9	26.6	5	⊕		
11 days av.	27.2	30.8	21.1	9.7	26.0	70	Σ59.8	Σ3,002.9	Σ53.7	Σ88.9	—	—	3.1	30.8	27.1	26.3	26.5	27.1	27.7	26.4	—	—	—	
Monthly av.	27.4	30.7	21.3	9.4	26.0	68	Σ220.2	Σ10,403.0	Σ101.1	Σ222.1	—	—	2.9	33.3	28.4	27.2	27.4	28.1	28.5	26.5	—	—	—	

Monthly Meteorological Data

September (1981)

Date	Items				Temperature (Ts)							Wind		Soil		Temperature (Ts)			Snow	Nt	Weather
	T _h	T _x	T _n	T _m	H ₉	S	R	P	E	d	V	0	5	10	20	30	50	100			
1	30.4	32.8	24.4	8.4	28.6	60	11.2	398.6	—	8.6	S	3.3	39.4	30.7	28.9	28.5	28.7	28.5	25.8	6	①
2	29.2	33.8	24.4	9.4	29.1	64	9.6	291.2	—	7.4	SSW	3.9	35.0	30.0	28.8	28.6	29.0	29.0	26.0	9	②
3	28.5	33.2	25.4	7.8	29.3	63	2.7	247.5	7.5	8.0	SSW	4.7	30.5	28.3	28.0	28.5	29.0	28.8	26.4	10	③
4	22.8	23.8	21.4	2.4	22.6	93	0.2	113.7	2.4	3.2	NE	5.0	24.0	25.5	26.7	28.1	28.7	29.0	26.4	10	●
5	22.5	25.8	19.7	6.1	22.8	59	5.9	306.5	—	6.0	NE	3.1	23.6	22.3	22.3	23.5	25.0	26.6	26.5	9	④
6	24.4	26.2	15.4	10.8	20.8	60	6.4	308.1	—	6.1	ENE	2.9	28.0	24.1	23.0	22.1	24.7	26.2	26.5	9	④
7	22.4	26.6	14.7	11.9	20.7	68	6.2	358.4	—	6.7	ENE	2.5	26.9	23.6	21.8	22.7	24.3	25.5	25.6	5	①
8	22.8	26.1	15.4	10.7	20.8	67	0.3	139.5	1.2	2.9	S	2.6	26.0	23.1	22.4	23.2	24.5	25.5	25.4	10	④
9	23.8	29.2	19.8	9.4	24.5	79	5.1	249.2	0.8	5.8	N	2.8	25.9	23.1	22.9	23.4	24.0	24.9	25.0	10	④
10	21.7	24.0	18.6	5.4	21.3	64	0.7	191.3	—	3.9	ENE	2.0	22.9	22.5	22.7	23.6	24.5	25.4	24.9	10	④
10 days av.	24.9	28.2	19.9	8.2	24.1	68	Σ48.3	Σ2,604.0	Σ11.9	Σ58.6		3.3	28.2	25.2	24.8	25.2	26.2	26.9	25.9		
11	21.8	25.4	13.6	11.8	19.5	53	6.9	351.8	—	6.0	SSW	2.5	27.8	22.0	20.5	21.5	23.0	24.5	25.0	8	④
12	21.3	26.8	17.4	9.4	22.1	71	2.4	184.5	3.5	2.2	SSW	1.7	24.0	22.4	22.1	23.0	23.9	24.6	24.5	10	④
13	19.9	24.8	15.4	9.4	20.1	84	7.0	322.3	13.0	6.2	S	1.6	22.7	20.8	20.4	21.6	23.0	24.4	24.5	9	④
14	22.1	24.5	13.6	10.9	19.1	60	5.1	269.9	0.0	3.7	SSW	1.6	27.5	22.4	21.0	21.4	22.6	24.0	24.4	5	①
15	21.8	24.2	12.4	11.8	18.3	55	8.4	345.0	—	5.5	SSW	2.3	25.0	21.0	19.0	19.8	21.4	22.0	24.0	6	①
16	21.1	24.3	11.2	13.1	17.8	58	11.4	426.6	—	6.0	S	2.9	26.8	20.5	18.6	19.6	21.3	23.0	23.9	2	①
17	22.3	25.8	12.2	13.6	19.0	52	11.0	428.5	—	6.6	S	2.4	27.6	21.3	19.4	20.3	21.7	23.1	23.6	0	①
18	22.2	27.4	12.6	14.8	20.0	50	6.7	309.4	16.0	4.4	S	2.5	27.0	21.4	20.0	21.0	22.4	23.5	23.6	7	①
19	18.4	22.6	15.0	7.6	18.8	93	0	69.8	4.8	0.9	SSE	1.1	20.0	19.5	19.7	21.1	22.3	23.5	23.5	10	●
20	22.7	25.8	15.2	10.6	20.5	71	6.8	360.2	—	5.1	S	1.6	27.5	22.2	20.3	20.1	21.0	22.4	23.5	3	①
10 days av.	21.4	25.2	13.9	11.3	19.5	65	Σ65.7	Σ3,088.0	Σ37.3	Σ46.6		2.0	25.6	21.4	20.1	20.9	22.3	23.5	24.1		
21	22.5	26.2	15.0	11.2	20.6	70	9.4	340.5	—	5.0	ENE	1.8	26.5	22.4	21.0	21.2	22.3	23.0	23.0	5	①
22	23.9	26.0	15.7	10.3	20.9	65	9.9	394.3	—	5.5	S	1.9	29.1	23.1	21.7	22.0	22.9	23.6	23.1	6	①
23	22.3	26.4	15.9	10.5	21.2	77	7.0	325.8	—	5.5	S	1.9	25.5	22.5	21.6	22.5	23.5	24.0	23.3	8	④
24	26.7	29.6	16.6	13.0	23.1	55	4.7	276.0	21.9	4.7	SSW	3.8	30.4	24.1	22.4	22.7	23.6	24.4	23.4	5	①
25	21.3	25.6	19.7	5.9	22.7	91	0	68.0	6.0	1.5	SSW	5.2	21.1	21.3	22.6	22.5	23.4	24.1	23.5	10	●
26	22.6	24.6	19.6	5.0	22.1	71	0.5	104.4	33.2	3.8	N	4.7	22.6	21.9	21.5	21.8	22.4	23.2	23.5	10	④
27	22.6	25.6	18.4	7.2	22.0	69	7.7	338.7	0.1	4.9	SSW	3.5	26.0	22.0	20.9	21.1	21.7	22.5	23.3	2	①
28	19.2	19.5	13.8	5.7	16.7	79	0.4	78.1	—	2.7	NE	3.6	18.6	19.2	19.5	20.5	21.9	23.1	23.2	10	●
29	16.2	21.8	10.2	11.6	16.0	68	7.1	336.2	—	5.2	SSW	2.3	20.0	16.9	16.1	17.7	19.4	21.4	23.0	10	④
30	18.0	23.4	11.5	11.9	17.5	73	2.2	207.8	—	2.9	S	1.4	20.1	18.2	17.5	18.5	19.9	21.5	22.5	10	④
10 days av.	21.5	24.9	15.6	9.2	20.3	72	Σ48.9	Σ2,469.8	Σ61.2	Σ41.7		3.0	24.0	21.2	20.5	21.1	22.1	23.1	23.2		
Monthly av.	22.6	26.1	16.5	9.6	21.3	68	Σ162.9	Σ8,141.8	Σ110.4	Σ146.9		2.8	25.9	22.6	21.8	22.4	23.5	24.5	24.4		

Monthly Meteorological Data

October (1981)

Date	Items				Temperature							H ₀	S	R	P	E	Wind						Soil Temperature (Ts)						Snow	Nt	Weather
	T ₉	T _x	T _n	T _m	T ₉	T _x	T _n	T _m	d	V	0						5	10	20	30	50	100	0	5	10	20	30	50			
1	21.2	22.6	14.8	7.8	18.7	75	0.4	110.7	2.4	1.8	NE	1.1	23.1	20.1	19.5	19.8	20.5	21.5	22.5	10	☉										
2	21.8	23.4	17.9	5.5	20.7	61	5.1	239.1	7.5	6.0	NNE	3.3	23.7	20.5	20.3	20.3	20.7	21.5	22.4	5	☉										
3	20.0	21.8	15.8	6.0	18.8	53	4.8	244.7	0.1	4.6	NE	3.6	20.0	17.5	17.2	18.5	20.0	21.4	22.3	6	☉										
4	19.8	22.6	11.8	10.8	17.2	60	8.7	365.5	—	7.0	S	2.1	25.0	18.6	17.1	18.0	19.4	21.0	22.1	7	☉										
5	19.4	19.8	15.0	4.8	17.4	76	0	31.8	10.1	0.5	SSW	×	18.6	18.9	19.0	19.9	20.5	21.5	22.0	10	●										
6	18.4	23.5	14.4	9.1	19.0	84	3.5	247.7	—	3.7	S	1.4	19.5	18.0	17.6	18.1	19.0	20.4	21.6	10	☉										
7	21.8	23.2	16.0	7.2	19.6	69	1.9	155.4	13.2	1.8	SSE	1.4	24.5	20.5	19.5	19.7	20.4	21.0	21.5	7	☉										
8	18.2	23.2	14.9	8.3	19.1	94	0	66.2	11.5	0.1	SSW	2.8	19.0	18.4	18.4	19.4	20.0	21.0	21.5	10	●										
9	17.0	18.8	15.6	3.2	17.2	79	0.1	84.4	0.2	2.0	SSW	4.0	16.9	18.3	19.2	20.2	20.5	21.0	21.0	10	●										
10	15.1	21.6	11.4	10.2	16.5	69	4.2	191.3	—	3.4	SSW	2.6	14.0	14.1	14.5	16.3	17.9	19.5	21.4	10	●										
10 days av.	19.3	22.1	14.8	7.3	18.4	72	Σ28.7	Σ1,736.8	Σ45.0	Σ30.9		2.5	20.4	18.5	18.2	19.0	19.9	21.0	21.8												
11	16.8	24.0	8.5	15.5	16.3	64	8.9	333.6	—	4.6	S	2.1	20.7	15.3	13.8	15.5	17.3	19.0	21.0	3	☉										
12	19.0	22.8	11.0	11.8	16.9	64	9.6	342.2	—	5.8	SSW	2.2	22.6	18.0	16.8	17.6	18.8	19.9	20.7	5	☉										
13	19.8	22.9	8.7	14.2	15.8	57	3.2	161.8	32.0	3.2	SSW	2.6	20.4	16.1	15.3	16.6	18.1	19.8	20.5	8	☉										
14	18.6	19.6	15.1	4.5	17.4	57	3.4	187.0	—	2.3	NE	2.8	19.4	17.1	16.9	17.6	18.3	19.4	20.5	6	☉										
15	16.0	21.9	8.0	13.9	15.0	60	9.1	344.0	—	4.5	S	1.9	19.5	14.5	13.3	15.0	16.7	18.5	20.0	1	☉										
16	13.3	24.6	9.7	14.9	17.2	70	5.3	211.0	—	3.3	SSW	2.3	13.5	13.4	13.7	15.6	17.0	18.6	20.3	10	☉										
17	18.2	22.4	10.6	11.8	16.5	64	8.3	329.8	—	4.9	S	1.9	22.0	16.4	15.0	16.3	17.5	18.7	20.0	0	☉										
18	22.4	26.7	9.6	17.1	18.2	50	6.8	262.1	2.3	4.5	SSW	3.3	24.3	16.8	15.5	16.5	17.7	19.0	20.0	7	☉										
19	18.8	19.0	13.8	5.2	16.4	77	0.2	56.4	—	2.0	ENE	3.1	17.5	17.4	17.1	17.8	18.4	19.5	20.0	10	☉										
20	18.4	20.5	10.2	10.3	15.4	60	3.7	224.4	—	3.2	SSW	1.9	19.0	15.7	14.6	15.5	16.7	18.4	19.0	9	☉										
10 days av.	18.1	22.4	10.4	11.9	16.5	62	Σ58.5	Σ2,452.3	Σ34.3	Σ38.3		2.4	19.9	16.1	15.2	16.4	17.7	19.1	20.2												
21	16.0	22.2	10.0	12.2	16.1	77	0.4	105.4	0.1	1.8	S	1.4	16.6	15.4	14.7	15.7	16.9	18.1	19.9	10	☉										
22	21.5	25.0	15.0	10.0	20.0	77	1.9	193.1	10.9	3.4	WNW	3.2	23.1	19.5	18.0	17.6	17.9	18.5	19.7	8	☉										
23	10.2	14.8	8.5	6.3	11.7	93	2.5	164.8	6.3	1.8	WSW	6.4	11.6	12.8	14.0	16.5	18.0	19.4	19.5	10	●										
24	11.5	14.9	5.4	9.5	10.2	62	2.5	161.3	0.3	2.2	SSW	4.0	15.3	11.4	10.6	12.5	14.5	16.9	19.5	6	☉										
25	13.6	16.8	8.3	8.5	12.6	65	3.4	174.9	—	1.9	S	2.5	13.5	12.1	11.4	12.6	14.1	15.7	19.0	9	☉										
26	12.5	18.0	4.2	13.8	11.1	63	3.3	180.7	—	2.0	S	1.9	13.5	9.8	8.9	11.1	13.2	15.3	18.8	8	☉										
27	14.4	19.3	6.5	12.8	12.9	60	8.4	299.5	—	3.5	S	2.0	16.1	11.0	10.0	11.9	13.5	15.4	18.4	5	☉										
28	18.3	23.7	8.0	15.7	15.9	53	8.5	302.8	13.2	2.0	SSW	4.6	17.0	11.6	10.9	12.6	14.3	15.5	18.0	3	☉										
29	14.6	19.4	11.8	7.6	15.6	86	2.5	126.9	—	1.9	SSW	2.5	15.6	14.9	15.0	15.9	16.3	16.6	17.9	9	☉										
30	15.6	18.8	8.6	10.2	13.7	65	7.9	269.7	—	3.5	S	2.1	17.6	13.5	13.0	14.4	15.5	16.5	18.0	7	☉										
31	15.4	20.8	7.4	13.4	14.1	58	4.4	195.9	15.4	5.0	S	2.7	14.9	11.9	11.1	13.0	14.6	16.4	18.0	7	☉										
11 days av.	14.9	19.4	8.5	10.9	14.0	69	Σ45.7	Σ2,175.0	Σ46.2	Σ29.0		3.0	15.9	13.1	12.5	14.0	15.3	16.8	18.8												
Monthly av.	17.3	21.2	11.1	10.1	16.2	68	Σ132.9	Σ6,364.1	Σ125.5	Σ98.2		2.7	18.6	15.8	15.2	16.4	17.6	18.9	20.2												

Monthly Meteorological Data

November (1981)

Date	Items		Temperature					H ₉	S	R	P	E	Wind		Soil Temperature (Ts)							Snow	Nt	Weather
	T ₉	T _x	Temperature			V	d						0	5	10	20	30	50	100					
			T _m	T _r	T _m																			
1	15.0	16.2	10.6	5.6	13.4	90	0.6	123.1	10.6	1.6	E	2.6	14.7	14.0	13.5	14.1	15.0	16.0	18.2	10	☉			
2	10.6	19.2	8.8	10.4	14.0	98	0	57.9	13.1	2.3	W	2.3	11.0	11.4	11.5	13.0	14.2	15.5	18.0	10	☉			
3	14.6	18.7	9.8	8.9	14.3	57	4.4	189.1	—	2.6	S	2.7	13.5	13.2	13.2	14.0	14.7	15.2	17.4	10	☉			
4	13.7	18.0	10.2	7.8	14.1	66	4.1	182.2	—	2.8	SSW	2.6	13.5	12.1	11.8	13.0	14.1	15.1	17.4	10	☉			
5	10.2	14.8	7.8	7.0	11.3	76	0	66.5	16.8	1.3	SSW	1.5	10.0	10.5	11.0	12.5	13.8	15.0	17.1	10	☉			
6	10.1	16.6	7.7	8.9	12.2	89	1.8	139.0	16.9	0.6	SSW	1.3	11.2	11.0	11.0	12.1	13.3	14.5	17.0	10	●			
7	11.2	11.4	9.0	2.4	10.2	84	0	32.9	8.6	—	W	3.9	11.5	12.0	12.0	13.0	13.6	14.5	17.0	10	●			
8	6.7	8.5	2.5	6.0	5.5	71	0.1	51.6	9.0	0.2	SSW	3.3	5.6	6.4	7.2	9.6	11.5	13.4	16.6	10	●			
9	6.8	11.6	1.7	9.9	6.7	79	4.1	212.1	6.0	1.4	S	2.2	8.5	6.5	5.7	7.5	9.4	12.0	16.3	8	☉			
10	7.2	13.8	0.4	13.4	7.1	67	5.3	219.9	0.7	2.7	SW	2.8	6.6	4.3	4.8	7.1	9.1	11.5	15.7	3	☉			
10 days av.	10.6	14.9	6.9	8.0	10.9	78	Σ20.4	Σ1,274.3	Σ81.7	Σ15.5		2.5	10.6	10.1	10.2	11.6	12.9	14.3	17.1					
11	8.4	9.8	6.1	3.7	8.0	71	0	48.3	3.6	0.4	SSW	2.8	8.3	7.6	7.6	8.9	9.9	11.5	15.2	10	☉			
12	9.9	16.7	3.8	12.9	10.3	64	6.8	252.0	—	2.6	S	2.0	9.5	5.9	6.0	8.1	9.4	11.0	15.0	5	☉			
13	13.7	14.4	6.2	8.2	10.3	55	0.9	91.7	4.5	0.6	S	2.5	13.6	8.9	8.0	9.2	10.0	11.5	15.0	7	☉			
14	9.4	15.3	5.2	10.1	10.3	84	3.4	150.4	0.1	1.3	SSW	2.0	10.5	8.5	7.9	9.4	10.4	11.6	14.5	9	☉			
15	12.1	16.5	3.7	12.8	10.1	65	1.7	148.1	7.9	2.4	S	3.8	10.7	7.4	6.4	8.2	9.7	11.5	14.4	9	☉			
16	14.4	16.2	10.6	5.6	13.4	57	1.6	124.6	17.2	1.8	ENE	3.9	12.0	11.4	11.0	11.2	11.4	11.6	14.4	10	☉			
17	7.6	7.8	5.6	2.2	6.7	90	0	59.6	23.5	×	S	1.7	9.1	8.6	8.7	10.1	11.0	12.1	14.5	10	●			
18	7.4	12.6	4.1	8.5	8.4	86	5.6	211.3	—	1.6	SSW	1.3	8.6	7.6	7.3	8.5	9.5	11.0	14.3	10	☉			
19	11.2	18.0	1.4	16.6	9.7	48	7.4	243.1	—	3.6	S	3.0	8.6	4.4	4.5	6.8	8.6	10.9	14.0	5	☉			
20	14.6	18.0	9.5	8.5	13.8	55	0.2	86.9	23.5	1.8	S	2.6	11.6	10.0	9.0	9.6	10.2	11.0	13.8	10	☉			
10 days av.	10.9	14.5	5.6	8.9	10.1	68	Σ27.6	Σ1,416.0	Σ80.3	Σ16.1		2.6	10.3	8.0	7.6	9.0	10.0	11.4	14.5					
21	11.4	12.8	8.9	3.9	10.9	64	0.4	94.8	1.2	1.3	NE	3.2	11.1	10.4	10.1	10.9	11.2	11.6	13.6	8	☉			
22	11.0	13.0	5.6	7.4	9.3	49	2.2	132.4	1.7	1.7	S	2.9	8.5	8.0	7.9	9.3	10.1	11.5	14.0	7	☉			
23	10.2	13.4	2.4	11.0	7.9	65	0	31.6	3.5	1.0	S	2.7	7.8	6.9	6.7	8.2	9.4	11.0	13.7	9	☉			
24	11.1	11.8	8.6	3.2	10.2	62	0.3	82.6	—	1.8	NW	3.6	9.2	9.3	9.1	9.7	10.0	10.9	13.5	10	☉			
25	8.4	13.2	3.9	9.3	8.6	67	0.7	114.2	0.6	0.8	S	×	9.3	7.1	6.9	8.4	9.4	10.9	13.5	10	☉			
26	9.7	15.8	6.7	9.1	11.3	81	1.3	104.9	6.9	0.7	SSW	×	10.4	9.1	8.7	9.7	10.3	11.0	13.4	10	☉			
27	9.7	11.3	8.3	3.0	9.8	94	0	30.6	6.0	1.4	NNE	1.4	9.8	9.7	9.7	10.5	11.0	11.5	13.4	10	●			
28	8.6	8.8	5.8	3.0	7.3	61	0	52.1	9.4	0.3	SSE	4.3	7.1	7.3	7.6	9.0	9.9	11.4	13.4	9	☉			
29	6.5	9.8	2.3	7.5	6.1	85	2.3	142.3	—	0.6	SSE	1.4	5.8	5.7	6.0	7.5	8.6	10.4	13.4	6	☉			
30	8.8	13.4	3.3	10.1	8.4	66	1.0	118.3	13.0	1.5	SSW	2.1	9.6	6.5	6.0	7.1	8.3	10.0	13.0	7	☉			
10 days av.	9.5	12.3	5.6	6.8	9.0	69	Σ8.2	Σ903.8	Σ42.3	Σ11.1		2.7	8.9	8.0	7.9	9.0	9.8	11.0	13.5					
Monthly av.	10.3	13.9	6.0	7.9	10.0	72	Σ56.2	Σ3,594.1	Σ204.3	Σ42.7		2.6	9.9	8.7	8.6	9.9	10.9	12.2	15.0					

Monthly Meteorological Data

December (1981)

Date	Items		Temperature					H _g	S	R	P	E	Wind		Soil Temperature (°Ts)							Snow	Nt	Weather
	T _b	T _x	Temperature			V	d						0	5	10	20	30	50	100					
			T _m	T _n	T _r																			
1	8.0	13.1	5.1	8.0	9.1	85	3.4	149.6	12.0	1.4	3.8	9.0	7.2	7.0	8.0	8.6	10.0	12.9		8	☉			
2	4.2	7.2	-0.2	7.4	3.5	59	1.9	120.3	13.0	1.8	N	7.7	1.5	3.0	3.8	5.6	7.1	9.4	12.6		10	☉		
3	7.1	7.9	-0.3	8.2	3.8	62	0	66.0	—	0.6	SSE	3.0	3.9	3.6	3.6	4.5	5.6	8.0	12.3		10	☉		
4	5.5	13.3	-1.0	14.3	6.2	61	7.6	207.5	—	2.5	S	3.1	0.4	0.8	1.9	3.9	5.5	7.4	11.7		3	☉		
5	9.0	11.4	2.1	9.3	6.8	53	1.2	74.1	12.4	0.7	S	2.9	6.5	4.8	4.5	5.2	6.1	7.5	11.5		10	☉		
6	5.4	13.5	2.6	10.9	8.1	86	4.2	162.5	2.9	1.5	S	1.9	6.1	5.2	5.3	6.2	7.0	8.2	11.5		10	☉		
7	5.0	7.4	2.7	4.7	5.1	91	0	34.4	28.4	0.6	W	1.7	5.6	5.4	5.5	6.6	7.5	8.5	11.2		10	●		
8	6.4	9.6	2.5	7.1	6.1	86	1.2	85.7	40.8	×	S	2.3	6.5	5.0	4.9	5.8	6.6	7.8	11.1		9	☉		
9	9.4	10.0	3.2	6.8	6.6	58	0	37.4	4.1	1.3	NNE	4.0	5.6	5.3	5.2	6.0	6.4	7.4	10.5		10	●		
10	9.0	11.6	4.8	6.8	8.2	52	5.8	191.3	—	2.4	SSW	2.6	6.6	5.9	5.6	6.5	6.9	7.8	10.5		8	☉		
10 days av.	6.9	10.5	2.2	8.4	6.4	69	Σ25.3	Σ1,128.8	Σ113.6	Σ12.8	3.3	5.2	4.6	4.7	5.8	6.7	8.2	11.6						
11	6.7	13.8	-0.7	14.5	6.6	55	4.0	161.8	—	2.2	S	3.1	1.2	1.5	4.8	5.2	6.6	8.2	10.4		0	☉		
12	9.0	15.6	3.9	11.7	9.8	56	4.5	147.9	0.4	3.1	WNW	4.6	7.8	4.6	4.7	6.1	7.0	8.0	10.5		7	☉		
13	8.0	8.7	5.4	3.3	7.1	67	2.1	102.4	5.0	2.1	NNW	5.9	7.0	5.7	6.0	7.3	8.0	8.5	10.5		5	☉		
14	5.0	5.2	0.1	5.1	2.7	54	0.2	33.6	7.0	1.2	NW	5.2	3.1	3.0	3.5	5.3	6.5	8.1	10.5		10	☉		
15	3.6	7.3	0.3	7.0	3.8	69	1.4	85.4	5.5	0.3	NNW	6.4	2.7	2.1	2.5	3.9	5.0	7.0	10.5		8	☉		
16	3.2	7.0	0.6	6.4	3.8	94	0.9	94.8	7.0	0.9	SW	2.1	1.7	2.1	3.2	4.4	5.1	6.6	10.4		8	☉		
17	5.4	11.4	0.3	11.1	5.9	78	7.0	211.0	—	1.9	SSW	1.9	6.4	3.4	3.3	4.4	5.4	6.6	10.3		7	☉		
18	4.8	12.4	-0.2	12.6	6.1	68	6.1	193.9	3.1	1.6	S	2.2	5.2	2.7	2.9	4.5	5.7	7.1	10.0		6	☉		
19	7.2	7.8	1.5	6.3	4.7	89	0	6.1	19.1	0.2	SSW	2.9	6.0	5.6	5.5	6.0	6.5	7.5	10.0		10	●		
20	2.6	8.8	-0.3	9.1	4.3	87	0	40.4	3.6	0.6	S	3.6	0.6	1.9	3.0	4.9	6.1	7.3	9.9		10	☉		
10 days av.	5.6	9.8	1.1	8.7	5.5	72	Σ26.2	Σ1,077.3	Σ50.7	Σ14.1	3.8	4.2	3.3	3.9	5.2	6.2	7.5	10.3						
21	5.2	13.8	1.3	12.5	7.6	78	3.3	143.1	—	1.9	S	2.0	4.5	4.2	4.3	5.2	5.9	6.9	9.9		10	☉		
22	10.4	14.4	4.1	10.3	9.3	52	6.2	190.8	—	3.0	SSW	3.9	8.9	5.7	5.4	6.3	6.9	7.5	9.8		7	☉		
23	10.2	15.2	6.2	9.0	10.7	65	1.4	86.9	0.7	2.2	W	×	7.6	7.2	6.9	7.5	7.7	8.2	9.9		10	☉		
24	5.2	6.1	4.3	1.8	5.2	67	0	31.6	—	1.4	S	×	4.4	5.4	6.0	7.4	7.9	8.6	10.0		10	●		
25	4.9	11.0	0.6	10.4	5.8	59	6.6	221.4	—	2.2	S	2.5	3.6	2.0	3.3	5.3	6.5	7.9	10.1		0	☉		
26	8.0	16.4	2.1	14.3	9.3	54	6.9	223.4	—	3.0	SSW	3.4	3.6	2.7	3.4	5.1	6.4	7.7	10.0		4	☉		
27	10.0	18.2	5.2	13.0	11.7	63	7.0	206.7	—	2.5	SSW	2.2	7.0	5.6	5.8	6.9	7.5	8.4	10.0		5	☉		
28	9.6	17.1	4.4	12.7	10.8	69	7.2	208.3	—	2.3	S	2.0	7.4	5.5	5.7	7.4	8.2	9.0	10.0		0	☉		
29	13.2	19.2	3.2	16.0	11.2	57	4.5	152.9	12.9	×	NE	3.6	7.2	5.4	5.4	7.1	8.1	9.1	10.4		7	☉		
30	7.4	7.6	4.0	3.6	5.8	52	0	46.5	1.0	0.8	S	2.4	6.2	6.4	6.6	8.0	8.5	9.2	10.3		9	●		
31	5.3	13.2	3.2	10.0	8.2	83	4.1	164.5	12.3	1.2	SSW	1.5	5.5	5.3	5.5	6.6	7.4	8.5	10.5		10	●		
11 days av.	8.1	13.8	3.5	10.3	8.7	64	Σ47.2	Σ1,676.1	Σ26.9	Σ20.5	2.6	6.0	5.0	5.3	6.6	7.4	8.3	10.1						
Monthly av.	6.9	11.5	2.3	9.2	6.9	68	Σ98.7	Σ3,882.2	Σ191.2	Σ47.4	3.3	5.1	4.3	4.7	5.9	6.8	8.0	10.6						