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AUBURN UNIVERSITY.

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LOCAL CLIMATOLOGICAL DATA

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WEATHER BUREAU

in cooperation with

AGRICULTURAL EXPERIMENT STATION
AUBURN UNIVERSITY

E. V. SMITH, Director

AUBURN, ALABAMA

TABLE OF CONTENTS

FOREWORD.	1
TABLES	
Daily Maximum, Minimum, and Mean Temperature	2-13
Precipitation.	2-13
Solar Radiation.	2-13
Evaporation and Wind Movement.	2-13
Monthly and Annual Average Temperature and Precipitation, 1855- 1952	14
Monthly and Annual Average Evaporation, 1947 - 1950 & 1964 - 1968. . .	14
Six Hourly Temperature and Relative Humidity	15-26
Soil Temperature, Wind Direction and Speed	27-38
Duration in Hours and Tenths of Hours that the Temperature was 32F or Lower	39-40
Cooling Degree Days - Base 75F	41
Heating Degree Days - Base 65F	42
Time of Sunrise.	43
Time of Sunset	44
Growing Degree Days - Base 40F	45
Growing Degree Days - Base 45F	46
Growing Degree Days - Base 50F	47
Precipitation Accumulation and Departure from Average.	48

FOREWORD

Except for the long term averages of temperature, precipitation, and evaporation, data in this publication were recorded at the Weather Bureau micro-meteorology station located at the south end of the Agronomy Farm at Auburn University. The station was established during September, 1963, with the cooperation of the Auburn University Agricultural Experiment Station and the Agronomy and Soils Department. The current Cooperative Weather Observer is Mr. Jack Jones, foreman of the Agronomy Farm.

Soil temperatures and evaporation readings are for a 24-hour period ending at 8:00 AM for the day indicated. All other readings are for a 24-hour period from midnight to midnight for the indicated date.

The sensing elements for the soil thermometers are under bare soil while all other instruments are exposed over sod.

Evaporation is measured in the Weather Bureau Class "A" pan of 4 foot diameter.

Unless otherwise indicated, units in this publication are as follows:

- Temperature in °F
- Relative humidity as a percentage
- Wind speed in miles per day
- Solar radiation in langleys (gram calorie/sq. cm.)
- Precipitation and evaporation in inches

Cooling degree days are used in computing air conditioning requirements. The "base" for such computations is the mean daily temperature of 75F. These data are obtained by subtracting 75F from the mean daily temperatures, if the latter is above 75F. A day with a mean temperature of 76F is one degree day. If the daily mean temperature continues above 75F for any length of time, air conditioning or cooling will be required for human comfort.

Heating degree days are used in computing fuel requirements. The "base" for computing heating degree days is a mean daily temperature of 65F. A mean daily temperature of 64F is one degree day. If the daily mean temperature continues below 65F for any length of time, heating will be necessary for human comfort.

Sunrise and sunset are considered to occur when the upper edge of the disk of the sun appears to be exactly on the horizon, with normal atmospheric conditions, and at zero elevation above the earth's surface in a level region. Times of sunrise and sunset shown in this publication are valid for the remainder of the 20th century.

Growing degree days were computed daily by averaging the maximum and minimum temperature and then subtracting the "base" temperatures of 40, 45, and 50F.

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Table 1. Daily temperatures, precipitation, solar radiation, evaporation, and miles of wind per day for January, 1968

Date	Air Temperature			Precip.	Solar radiation	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean				
1	46	41	44	.30	61	.03	66.3
2	46	44	45	.09	55	-	57.0
3	64	43	54	.10	82	.03	7.7
4	63	31	47	.25	167	0	108.0
5	38	28	33	0	100	.02	116.0
6	50	37	44	.21	77	-	66.4
7	46	26	36	0	279	.07	100.9
8	47	22	35	0	351	-	113.0
9	39	32	36	.47	76	-	92.6
10	51	38	45	.10	71	-	78.1
11	38	31	35	0	65	.03	62.0
12	33	29	31	0	62	.01	86.8
13	37	26	32	.05	108	-	54.6
14	27	21	24	0	126	-	104.0
15	41	26	34	0	215	-	84.5
16	50	26	38	0	376	-	68.4
17	58	27	43	0	374	-	37.2
18	61	33	47	0	361	.05	20.2
19	66	35	51	0	356	.10	28.3
20	68	39	54	0	348	.13	42.1
21	70	40	55	0	355	.18	51.4
22	72	42	57	0	313	.09	29.6
23	62	37	50	.29	92	.16	20.2
24	38	30	34	0	77	.03	74.5
25	47	27	37	0	392	.05	77.6
26	57	25	41	0	397	.07	30.2
27	60	31	46	0	363	.14	24.2
28	65	38	52	0	261	.09	29.4
29	71	47	59	0	353	.02	25.5
30	71	45	58	0	294	.11	28.7
31	72	52	62	0	221	.08	33.2
Total	1654	1049	1359	1.86	6828	*1.95	1818.6
Avg.	53.4	33.8	43.8				58.6

* Evap. adjusted for full month

- Missing data

Table 2. Daily temperatures, precipitation, solar radiation, evaporation, and miles of wind per day for February, 1968

Date	Air Temperature			Precip.	Solar radiation	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean				
1	64	55	60	0	190	.06	29.1
2	60	36	48	.40	193	.09	78.3
3	58	32	45	0	436	-	71.0
4	63	35	49	0	436	.13	53.5
5	59	38	49	0	302	.10	45.1
6	60	37	49	0	417	.11	47.7
7	49	27	38	0	229	.13	44.9
8	47	27	37	0	410	-	146.0
9	51	26	39	0	431	-	93.1
10	55	29	42	0	442	.15	80.0
11	45	22	34	0	434	.15	91.8
12	48	19	34	0	399	.06	83.6
13	48	27	38	0	401	.01	66.9
14	51	22	37	.03	284	-	90.6
15	40	29	35	.21	86	-	55.1
16	52	26	39	0	470	-	60.0
17	54	28	41	0	391	-	53.5
18	40	31	36	0	146	-	79.7
19	53	28	41	0	487	.07	70.0
20	61	28	45	0	466	.11	39.2
21	44	27	36	0	183	.07	92.1
22	49	19	34	0	490	-	99.8
23	38	31	35	.05	101	-	108.2
24	50	30	40	.08	494	-	70.7
25	54	30	42	0	448	.14	59.3
26	55	39	47	0	220	.11	70.2
27	51	30	41	0	372	.10	54.8
28	48	26	37	.70	151	.08	58.8
29	48	28	38	.30	367	.02	75.9
Total	1495	862	1186	1.77	9876	*2.18	2068.9
Avg.	51.6	29.7	40.9				71.3

* Evap. adjusted for full month

- Missing data

Table 3. Daily temperatures, precipitation, solar radiation, evaporation, and miles of wind per day for March, 1968

Date	Air Temperature			Precip.	Solar radiation	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean				
1	48	25	37	0	544	-	159.8
2	61	28	45	0	471	-	89.1
3	52	33	43	0	527	.16	121.0
4	59	27	43	0	573	.17	93.7
5	60	30	45	0	456	.16	53.4
6	64	40	52	0	359	.18	65.1
7	65	34	50	0	561	-	102.1
8	68	39	54	0	491	.18	51.1
9	71	46	59	.41	302	.17	57.5
10	76	53	65	.52	345	-	61.7
11	66	53	60	1.36	57	.10	56.6
12	68	40	54	1.81	390	-	96.1
13	50	32	41	0	490	-	175.0
14	55	29	42	0	394	.20	111.3
15	68	39	54	0	414	.13	72.7
16	66	46	56	.02	249	.16	52.4
17	70	42	56	0	519	.07	61.3
18	76	44	60	0	502	.18	64.3
19	79	41	60	0	597	.18	24.6
20	84	48	66	0	594	.20	33.8
21	75	51	63	0	310	.27	69.7
22	70	34	52	.92	125	.12	164.1
23	42	29	36	0	367	.25	130.1
24	56	25	41	0	645	.10	91.4
25	69	35	52	0	639	.09	49.4
26	74	37	56	0	620	.18	25.9
27	75	45	60	0	565	.20	34.1
28	77	51	64	0	420	.18	45.1
29	79	55	67	0	431	.15	25.6
30	80	56	68	0	527	.20	36.0
31	76	56	66	0	465	.22	45.4
Total	2079	1243	1667	5.04	13,949	4.67	2319.4
Avg.	67.1	40.1	53.8				74.8

* Evap. adjusted for full month

- Missing data

Table 4. Daily temperatures, precipitation, solar radiation, evaporation, and miles of wind per day for April, 1968

Date	Air Temperature			Precip	Solar	Evaporation	Wind m/d
	Max	Min	Mean		radiation		2.5 ft.
1	76	55	66	0	540	.17	77.0
2	65	53	59	.08	201	.32	95.5
3	76	52	64	0	240	.03	80.6
4	83	59	71	.16	390	.08	58.4
5	65	45	55	.71	145	.21	105.0
6	73	39	56	0	671	.15	80.5
7	70	53	62	.06	353	.14	43.0
8	81	55	68	.06	390	.07	54.4
9	82	57	70	0	532	.15	60.6
10	65	48	57	.02	171	.22	65.5
11	73	42	58	0	703	.07	73.8
12	76	44	60	0	643	.21	59.4
13	77	50	64	0	527	.22	44.0
14	70	59	65	1.31	246	.18	48.1
15	71	58	65	.05	687	.26	60.3
16	76	45	61	0	699	.34	97.9
17	78	54	66	0	501	.22	46.8
18	82	55	69	0	645	.21	53.4
19	87	61	74	0	585	.21	40.8
20	81	59	70	0	486	.27	54.9
21	86	59	73	0	595	.22	57.7
22	82	64	73	0	447	.29	61.3
23	79	59	69	.35	369	.17	36.7
24	63	45	54	.44	293	.20	67.2
25	76	41	59	0	735	.14	50.3
26	77	46	62	0	726	.21	49.9
27	74	48	61	0	323	.32	41.3
28	78	60	69	.61	466	.11	43.9
29	71	61	66	0	203	.22	39.8
30	77	51	64	0	724	.04	66.9
Total	2270	1577	1930	3.85	14,236	5.65	1814.9
Avg.	75.7	52.6	64.3				60.5

Table 5. Daily temperatures, precipitation, solar radiation, evaporation, and miles of wind per day for May, 1968

Date	Air Temperature			Precip.	Solar radiation	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean				
1	79	50	65	0	735	.22	45.3
2	81	54	68	0	736	.30	52.9
3	82	56	69	0	735	.26	38.5
4	77	55	66	.02	369	.29	42.5
5	75	56	66	0	761	.14	60.1
6	73	45	59	0	757	.35	100.2
7	79	53	66	0	712	.25	61.1
8	78	57	68	0	613	.28	86.7
9	79	57	68	0	569	.28	69.7
10	82	58	70	0	583	.21	44.5
11	83	64	74	0	376	.11	62.5
12	85	65	75	.83	464	.15	55.1
13	87	64	76	0	684	.38	39.7
14	85	68	77	0	499	.24	28.2
15	78	68	73	0	231	.19	38.0
16	85	67	76	0	578	.07	32.0
17	85	66	76	.55	501	.25	64.1
18	74	65	70	.27	317	.33	78.2
19	79	56	68	0	747	.16	66.1
20	72	50	61	0	778	.35	74.3
21	75	52	64	0	665	.28	61.9
22	80	53	67	0	693	.21	33.6
23	85	57	71	0	732	.24	24.3
24	89	63	76	0	701	.28	49.6
25	87	66	77	.09	490	.22	28.3
26	81	66	74	1.28	399	.17	46.1
27	80	63	72	0	678	.32	44.9
28	76	60	68	0	679	.28	51.6
29	78	54	66	.07	614	.37	51.9
30	82	58	70	0	743	.16	46.5
31	84	57	71	0	709	.34	61.4
Total	2495	1823	2167	3.11	18,848	7.68	1639.8
Avg.	80.5	58.8	69.9				52.9

Table 6. Daily temperatures, precipitation, solar radiation, evaporation, and miles of wind per day for June, 1968

Date	Air Temperature			Precip.	Solar radiation	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean				
1	90	64	77	0	693	.27	21.9
2	89	63	76	0	693	.40	24.8
3	90	66	78	0	673	.19	29.2
4	90	68	79	0	672	.30	55.3
5	85	64	75	0	732	.32	63.1
6	85	61	73	0	699	.41	70.9
7	84	64	74	0	543	.39	102.2
8	90	63	77	0	642	.23	63.0
9	91	66	79	0	594	.26	46.4
10	94	67	81	0	598	.27	32.5
11	96	67	82	0	623	.30	43.0
12	95	71	83	0	709	.30	47.4
13	90	67	79	0	769	.35	62.7
14	90	59	75	0	763	.44	76.1
15	94	66	80	0	681	.38	41.2
16	93	67	80	0	678	.31	26.1
17	91	70	81	1.36	569	.39	53.8
18	90	69	80	.33	554	.47	48.3
19	86	70	78	.21	336	.20	31.2
20	90	70	80	0	591	.14	66.6
21	91	70	81	.12	472	.28	52.7
22	86	69	78	.05	419	.23	28.6
23	86	69	78	.47	487	.15	35.9
24	90	69	80	0	649	.21	16.6
25	90	72	81	0	635	.29	26.7
26	91	70	81	.20	640	.28	61.5
27	81	62	72	0	763	.43	83.7
28	86	57	72	0	784	.35	45.4
29	90	60	75	0	774	.32	24.4
30	93	65	79	0	719	.30	21.4
Total	2687	1985	2344	2.74	19,154	9.16	1102.6
Avg.	89.6	66.2	78.1				46.8

Table 7. Daily temperatures, precipitation, solar radiation, evaporation, and miles of wind per day for July, 1968

Date	Air Temperature			Precip.	Solar radiation	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean				
1	95	65	80	0	607	.27	18.7
2	93	68	81	0	699	.30	33.3
3	92	66	79	2.54	605	.27	35.9
4	82	67	75	.03	318	-	53.4
5	83	69	76	.27	436	.10	51.8
6	82	69	76	0	432	.21	62.4
7	86	68	77	.03	641	.20	62.0
8	82	70	76	.38	279	.27	51.4
9	76	69	73	.05	198	.12	65.6
10	84	68	76	.03	463	.05	38.5
11	83	67	75	.58	454	.18	16.1
12	87	67	77	.52	481	.28	22.7
13	87	67	77	.05	607	.40	26.7
14	88	68	73	0	622	.23	28.7
15	91	71	81	0	566	.23	26.8
16	91	68	80	0	627	.22	19.8
17	88	68	78	.37	418	.23	20.3
18	89	67	78	0	713	.23	32.7
19	89	69	79	0	720	.25	30.0
20	90	69	80	0	697	.32	38.3
21	91	70	81	.03	586	.28	32.3
22	89	69	79	0	552	.21	24.5
23	88	70	79	.11	404	.23	27.3
24	91	69	80	0	669	.33	21.8
25	92	71	82	0	674	.24	21.9
26	94	69	82	0	662	.31	24.8
27	94	72	83	0	630	.32	21.9
28	95	71	83	.19	605	.30	28.7
29	92	69	81	0	598	.41	52.0
30	93	67	80	0	556	.16	37.8
31	95	69	82	0	642	.27	22.7
Total	2752	2126	2444	5.18	17,161	* 7.44	1050.8
Avg.	88.8	68.6	78.8				33.9

* Evap. adjusted for full month

- Missing data

Table 8. Daily temperatures, precipitation, solar radiation, evaporation, and miles of wind per day for August, 1968

Date	Air Temperature			Precip.	Solar	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean		radiation		
1	91	69	80	0	469	.26	32.2
2	93	68	81	2.17	509	.18	33.2
3	90	68	79	0	641	.52	35.2
4	90	71	81	0	671	.24	27.7
5	86	68	77	.10	342	.32	34.6
6	90	70	80	.10	617	.18	34.6
7	92	71	82	0	670	.29	26.8
8	93	72	83	0	580	.26	21.8
9	94	69	82	2.34	510	.27	19.2
10	89	70	80	.63	369	-	30.3
11	88	71	80	.13	385	.28	35.4
12	86	71	79	0	358	.15	34.9
13	86	70	78	0	422	.17	31.2
14	84	70	77	.66	300	.16	33.1
15	89	70	80	0	521	.20	27.4
16	90	70	80	0	569	.17	24.1
17	92	71	82	0	486	.28	23.2
18	94	74	84	.02	570	.20	26.0
19	90	72	81	0	542	.23	27.1
20	93	71	82	0	596	.23	29.0
21	94	76	85	.02	487	.25	24.4
22	96	74	85	0	526	.24	37.1
23	98	74	85	0	601	.24	23.7
24	95	72	84	.38	480	.31	24.3
25	92	69	81	0	588	.34	61.1
26	90	72	81	0	565	.21	38.4
27	85	63	74	0	665	.35	64.1
28	82	65	74	0	614	.30	88.6
29	82	57	70	0	628	.33	87.2
30	82	58	70	0	527	.32	87.7
31	73	61	67	0	270	.16	71.1
Total	2769	2144	2464	6.55	16,078	*7.67	1194.7
Avg.	89.3	69.2	79.5				38.5

* Evap. adjusted for full month

- Missing data

Table 9. Daily temperatures, precipitation, solar radiation, evaporation, and miles of wind per day for September, 1968

Date	Air Temperature			Precip.	Solar radiation	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean				
1	82	61	72	0	452	.12	78.5
2	88	60	74	0	468	.18	32.4
3	90	65	78	0	434	.18	15.1
4	91	67	79	0	449	.21	17.5
5	91	69	80	.02	399	.20	11.5
6	89	65	77	0	442	.18	41.7
7	89	61	75	0	622	.30	71.8
8	90	67	79	0	443	.32	55.1
9	88	65	77	0	460	.18	31.6
10	87	63	75	0	523	.15	18.4
11	82	56	69	0	555	.29	54.3
12	85	56	71	0	613	.24	72.2
13	87	56	72	0	572	.29	57.8
14	88	62	75	0	543	.27	44.3
15	86	63	75	0	477	.29	52.7
16	79	66	73	.06	206	.23	60.3
17	72	67	70	1.12	96	.07	48.4
18	81	63	72	.46	212	.10	64.2
19	83	63	73	.07	280	.12	45.5
20	82	69	76	0	298	.07	45.1
21	84	65	75	0	535	.16	59.4
22	84	63	74	0	541	.27	54.7
23	85	60	73	0	536	.22	47.1
24	87	64	76	0	452	.21	35.2
25	88	61	75	0	422	.19	15.3
26	85	63	74	0	388	.20	16.1
27	83	61	72	0	471	.17	43.4
28	85	61	73	0	424	.23	62.9
29	83	66	75	0	308	.19	42.4
30	86	63	75	0	469	.10	41.1
Total	2560	1891	2234	1.73	13,090	5.93	1336.0
Avg.	85.3	63.0	74.5				44.5

Table 10. Daily temperatures, precipitation, solar radiation, evaporation, and miles of wind per day for October, 1968

Date	Air Temperature			Precip.	Solar radiation	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean				
1	88	60	74	0	450	.15	15.7
2	87	60	74	0	442	.20	14.7
3	85	58	72	.02	325	.14	32.6
4	72	44	58	0	518	.21	60.6
5	74	42	58	0	512	.32	86.5
6	68	61	65	.21	85	.18	75.3
7	82	68	75	0	296	.02	47.3
8	84	62	73	0	434	.09	23.3
9	70	64	67	0	113	.17	43.5
10	80	62	71	0	311	.05	39.5
11	83	62	73	0	395	.12	43.4
12	81	62	72	0	277	.18	56.4
13	84	63	74	0	405	.09	44.0
14	84	62	73	0	443	.16	25.9
15	82	59	71	0	445	.22	48.0
16	78	64	71	0	165	.23	100.0
17	81	66	74	.04	196	.08	75.1
18	75	64	70	.10	140	.02	45.7
19	74	48	61	0	471	.05	66.0
20	78	47	63	0	451	.30	70.8
21	78	51	65	0	370	.18	61.9
22	79	47	63	0	425	.13	23.7
23	80	50	65	0	428	.13	22.3
24	69	47	58	0	197	.20	50.1
25	58	36	47	0	460	.08	32.7
26	64	33	49	0	456	.12	63.2
27	72	35	54	0	435	.18	37.3
28	61	40	51	0	443	.13	56.4
29	62	31	47	0	442	.20	66.4
30	73	34	54	0	420	.16	33.9
31	80	47	64	0	338	.11	16.4
Total	2366	1629	2006	.37	11,288	4.60	1478.6
Avg.	76.3	52.5	64.7				47.7

Table 11. Daily temperatures, precipitation, solar radiation, evaporation, and miles of wind per day for November, 1968

Date	Air Temperature			Precip.	Solar radiation	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean				
1	80	50	65	0	312	.10	16.1
2	81	51	66	0	296	.12	15.3
3	76	50	63	1.22	260	.08	14.0
4	65	58	62	.03	108	.19	43.1
5	64	53	59	0	146	.06	35.6
6	65	53	59	.07	172	.05	21.2
7	67	46	57	0	283	.06	36.6
8	60	36	48	0	397	.16	61.5
9	43	35	39	.81	34	.16	78.0
10	53	31	42	0	379	.03	72.3
11	40	32	36	.55	54	.08	38.3
12	41	26	34	0	102	-	93.2
13	55	26	41	0	408	.06	57.3
14	66	30	48	0	397	.04	16.2
15	67	35	51	0	217	.11	20.9
16	67	52	60	.13	94	.10	81.0
17	73	58	66	.53	92	.00	34.5
18	59	54	57	.87	333	-	68.2
19	48	31	40	0	392	.20	84.3
20	50	29	40	0	411	.12	56.5
21	56	27	42	0	427	.09	42.3
22	69	34	52	0	372	.10	19.1
23	68	40	54	●	247	.11	5.5
24	67	44	56	.03	155	.08	-
25	64	39	52	0	369	.03	-
26	67	35	51	0	359	.09	-
27	73	44	59	0	218	.02	50.6
28	68	46	57	.44	160	.21	104.0
29	59	39	49	0	280	.12	65.2
30	53	42	48	.08	102	.12	60.6
Total	1864	1226	1553	4.76	7,576	*2.72	
Avg.	62.1	40.9	51.8				

* Evap. adjusted for full month

- Missing data

Table 12. Daily temperatures, precipitation, solar radiation, evaporation, and miles of wind per day for December, 1968

Date	Air Temperature			Precip	Solar radiation	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean				
1	52	45	49	.55	28	.02	102.5
2	57	46	52	0	111	.03	57.2
3	56	43	50	1.58	28	-	34.5
4	48	34	41	0	239	-	108.3
5	60	32	46	0	286	.09	74.7
6	63	37	50	.07	255	.10	47.9
7	60	32	46	.18	224	.10	33.0
8	46	26	36	0	301	.14	91.5
9	48	25	37	0	294	.13	70.6
10	51	27	39	0	186	.05	29.6
11	52	27	40	0	273	-	15.3
12	55	30	43	0	214	-	47.5
13	62	44	53	.37	59	.08	78.1
14	44	21	33	0	292	.05	71.1
15	35	16	26	0	293	-	46.0
16	51	20	36	0	294	-	95.7
17	54	24	39	0	225	-	27.9
18	61	28	45	0	269	-	13.7
19	61	44	53	.14	51	.10	57.5
20	58	42	50	0	168	.04	41.1
21	53	43	48	1.02	56	.07	49.9
22	66	45	56	.83	27	0	94.7
23	42	30	36	0	268	.12	95.0
24	44	23	34	0	301	.17	89.2
25	52	26	39	0	286	.03	49.7
26	56	27	42	0	274	.05	35.9
27	64	38	51	.02	76	.13	68.6
28	64	37	51	.80	280	.18	113.7
29	55	30	43	0	295	.05	99.3
30	58	35	47	.43	192	.14	40.0
31	52	31	42	.50	21	.10	57.5
Total	1680	1008	1353	6.49	6,166	*2.19	1937.2
Avg.	54.2	32.5	43.6				62.5

* Evap. adjusted for full month

- Missing data

Table 13. Monthly Averages for Temperature and Precipitation from 1855-1952

Date	Temperature			Precipitation	Evaporation
	Av. Daily Max.	Av. Daily Min.	Average (°F)	Average (Inches)	Average (Inches)
January	59.0	38.9	49.0	4.80	2.29
February	61.6	40.5	51.1	5.25	2.72
March	67.8	45.7	56.8	6.13	4.83
April	75.4	52.8	64.1	4.37	6.21
May	83.3	60.4	71.9	3.55	7.86
June	89.5	67.7	78.6	4.06	7.92
July	90.0	69.9	80.0	5.34	7.39
August	89.7	69.4	79.6	4.71	6.54
September	86.7	65.4	76.1	3.20	5.88
October	77.9	54.7	66.3	2.58	4.38
November	66.7	44.3	55.5	3.48	2.98
December	58.9	39.3	49.1	5.13	2.12
Year	75.5	54.1	64.8	52.60	61.12

Evaporation based on data from 1947 through 1950 and 1964-68.

Table 14. Six Hourly Temperature and Relative Humidity, January 1968

Date	Midnight		6:00 AM		Noon		6:00 PM		Average	
	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.
1	45	100	42	100	42	100	42	100	42.8	100.0
2	44	100	46	100	45	100	45	100	45.0	100.0
3	45	100	45	100	53	100	56	100	49.8	100.0
4	63	100	56	100	49	86	38	57	51.5	85.8
5	31	46	29	57	36	40	37	55	33.3	49.5
6	38	55	39	63	44	87	49	98	42.5	75.8
7	46	98	36	91	37	51	32	50	37.8	72.5
8	26	58	24	66	43	27	40	30	33.3	45.3
9	38	32	32	100	36	98	37	100	35.8	82.5
10	39	100	42	100	50	100	39	100	42.5	100.0
11	38	100	36	100	37	98	34	90	36.3	97.0
12	31	94	31	100	32	95	30	100	31.0	97.3
13	29	100	30	100	37	90	30	78	31.5	92.0
14	26	80	21	74	26	68	26	72	24.8	73.5
15	26	100	28	88	37	58	36	62	31.8	77.0
16	32	87	26	100	46	43	43	56	36.8	71.5
17	30	76	28	100	55	26	40	46	38.3	62.0
18	37	64	34	69	55	38	44	52	42.5	55.8
19	39	68	34	86	62	35	48	46	45.8	58.8
20	43	52	39	68	64	41	52	67	49.5	57.0
21	48	84	39	100	67	40	56	54	52.5	69.5
22	48	80	43	100	70	36	60	46	55.3	65.5
23	50	92	48	98	58	74	54	100	52.5	91.0
24	39	99	33	96	32	74	30	78	33.5	86.8
25	31	74	26	84	42	38	35	38	33.5	58.5
26	28	72	25	100	53	26	40	54	36.5	63.0
27	36	60	34	74	56	31	42	56	42.0	55.3
28	43	53	38	71	63	45	53	61	49.3	57.5
29	52	60	48	89	70	48	58	82	57.0	69.8
30	52	94	49	100	68	56	61	74	57.5	81.0
31	58	85	55	100	72	56	63	90	62.0	82.8
Avg.	39.7	79.5	36.6	89.5	49.6	61.5	43.5	70.7		

Table 15. Six Hourly Temperature and Relative Humidity, February 1968

Date	Midnight		6:00 AM		Noon		6:00 PM		Average	
	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.
1	60	92	57	100	62	72	56	87	58.8	87.8
2	56	100	60	100	56	66	46	53	54.5	79.8
3	37	76	34	98	56	31	45	54	43.0	64.8
4	38	66	36	68	61	28	51	34	46.5	49.0
5	44	38	39	56	54	34	47	48	46.0	44.0
6	43	56	37	63	56	28	48	34	46.0	45.3
7	40	50	32	80	44	46	30	53	36.5	57.3
8	27	70	28	78	42	50	37	55	33.5	63.3
9	27	93	26	96	44	36	41	41	34.5	66.5
10	36	58	30	88	50	36	45	38	40.3	55.0
11	39	60	28	72	44	49	33	29	36.0	52.5
12	21	40	18	58	42	25	39	24	30.0	36.8
13	30	36	27	50	41	29	40	27	34.5	35.5
14	28	50	22	60	46	30	42	30	34.5	42.5
15	34	74	32	100	35	100	35	84	34.0	89.5
16	28	100	25	100	47	45	41	60	35.3	76.3
17	29	100	30	100	48	50	44	37	37.8	71.8
18	38	40	32	70	37	25	35	26	35.5	40.3
19	29	34	26	35	50	28	44	26	37.3	30.8
20	32	49	29	72	55	46	54	40	42.5	51.8
21	45	74	35	100	42	48	34	44	39.0	66.5
22	27	85	19	56	41	35	43	25	32.5	50.3
23	34	26	32	50	34	100	33	100	33.3	69.0
24	32	100	31	100	47	37	40	25	37.5	65.5
25	30	42	30	48	52	24	45	34	39.3	37.0
26	40	49	39	50	47	38	47	54	43.3	47.8
27	42	74	37	92	46	52	44	53	42.3	67.8
28	30	94	28	100	46	55	41	100	36.3	87.3
29	41	100	35	98	44	42	33	48	38.3	72.0
Avg.	35.8	66.4	32.2	77.2	47.2	44.3	41.8	47.0		

Table 16. Six Hourly Temperature and Relative Humidity, March 1968

Date	Midnight		6:00 AM		Noon		6:00 PM		Average	
	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.
1	28	52	25	66	42	30	41	29	34.0	44.3
2	34	46	32	73	58	34	54	36	44.5	47.3
3	47	77	43	66	51	43	42	38	45.8	56.0
4	33	46	28	55	53	21	49	26	40.8	37.0
5	38	43	30	60	56	26	51	27	43.8	39.0
6	46	42	42	54	59	43	57	31	51.0	42.5
7	41	70	34	100	60	33	54	38	47.3	60.3
8	47	53	41	93	66	51	61	46	53.8	60.8
9	48	100	51	100	67	66	60	100	56.5	91.5
10	60	100	61	100	72	67	62	94	63.8	90.3
11	53	100	56	84	58	100	62	100	57.3	96.0
12	65	100	65	100	66	59	57	61	63.3	80.0
13	40	77	34	69	46	32	41	29	40.3	51.8
14	33	51	30	61	50	29	43	46	39.0	46.8
15	42	56	42	84	64	45	57	62	51.3	61.8
16	54	92	53	99	64	60	54	99	56.3	87.5
17	46	100	50	80	66	22	55	39	54.3	60.3
18	47	55	50	63	69	26	66	38	58.0	45.5
19	56	46	41	98	74	20	69	30	60.0	48.5
20	57	54	48	100	79	44	74	37	64.5	58.8
21	57	62	54	100	73	63	68	54	63.0	69.8
22	63	96	60	99	45	100	35	95	50.8	97.5
23	34	82	32	90	37	62	33	66	34.0	75.0
24	29	72	30	81	50	35	46	42	38.8	57.5
25	39	64	39	78	64	24	61	30	50.8	49.0
26	45	69	38	100	71	23	64	31	54.5	55.8
27	47	95	48	73	71	32	76	39	60.5	59.8
28	55	69	52	86	73	36	65	54	61.3	61.3
29	61	66	56	97	77	35	67	54	65.3	63.0
30	58	90	59	100	75	42	70	42	65.5	68.5
31	60	93	59	94	72	40	69	44	65.0	67.8
Avg.	47.2	71.5	44.6	84.0	62.2	43.3	56.9	50.2		

Table 17. Six Hourly Temperatures and Relative Humidity, April 1968

Date	Midnight		6:00 AM		Noon		6:00 PM		Average	
	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.
1	63	94	57	100	74	43	68	40	65.5	69.3
2	55	44	56	49	61	64	60	67	58.0	56.0
3	60	85	54	97	67	77	71	70	63.0	82.3
4	62	84	62	100	76	50	60	98	65.0	83.0
5	59	100	62	100	60	90	56	100	59.3	97.5
6	45	88	46	100	69	30	60	48	55.0	66.5
7	53	100	58	95	67	75	62	94	60.0	91.0
8	58	100	60	100	73	66	67	74	64.5	85.0
9	61	84	57	98	88	48	71	63	69.3	73.3
10	62	62	57	91	56	83	54	96	57.3	83.0
11	47	100	48	92	67	23	59	28	55.3	60.8
12	42	88	52	54	71	25	58	51	55.8	54.5
13	49	77	57	78	71	45	64	68	60.3	67.0
14	58	93	61	95	63	95	63	100	61.3	95.8
15	59	100	60	100	67	41	60	39	61.5	70.0
16	49	54	46	69	70	37	62	55	56.8	53.8
17	55	63	53	97	73	53	67	66	62.0	69.8
18	59	83	60	90	76	43	70	63	66.3	69.8
19	60	100	65	100	82	46	71	79	69.5	81.3
20	62	100	59	97	78	61	73	72	68.0	82.5
21	65	80	66	50	83	21	73	40	71.8	47.8
22	66	59	67	57	80	36	73	63	71.5	53.8
23	63	83	59	100	75	68	62	100	64.8	87.8
24	60	100	55	99	53	80	55	71	55.8	87.5
25	45	89	47	73	70	29	64	36	56.5	56.8
26	53	62	53	87	71	30	64	44	60.3	55.8
27	51	91	54	100	71	67	61	100	59.3	89.5
28	58	100	59	100	74	59	67	95	64.5	88.5
29	59	100	59	100	65	95	63	92	61.5	96.8
30	53	100	51	100	69	33	66	48	59.8	70.3
Avg.	56.4	85.4	56.7	88.9	70.7	53.8	64.1	68.7		

Table 18. Six Hourly Temperature and Relative Humidity, May 1968

Date	Midnight		6:00 AM		Noon		6:00 PM		Average	
	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.
1	53	100	55	88	75	28	68	38	62.8	63.5
2	57	69	58	80	77	29	68	51	65.0	57.3
3	57	91	62	74	77	29	69	40	66.3	58.5
4	57	88	64	92	75	56	64	100	65.0	84.0
5	60	100	63	59	75	23	62	29	65.0	52.8
6	51	55	53	63	70	35	68	47	60.5	50.0
7	58	59	56	87	76	42	75	42	66.3	57.5
8	63	92	61	99	77	43	72	49	68.3	70.8
9	62	73	61	97	77	44	72	52	68.0	66.5
10	63	73	65	95	81	44	76	51	71.3	65.8
11	69	85	68	100	79	66	73	100	72.3	87.8
12	70	99	71	100	82	60	68	100	72.8	89.8
13	67	100	71	74	83	56	82	66	75.8	74.0
14	73	91	69	100	75	78	79	81	74.0	87.5
15	72	97	69	100	75	91	75	95	72.8	95.8
16	70	100	70	100	83	55	80	67	75.8	80.5
17	71	100	72	100	81	57	69	100	73.3	89.3
18	66	100	66	100	73	78	67	100	68.0	94.5
19	67	100	69	73	78	45	72	38	71.5	64.0
20	57	73	57	80	70	38	67	47	62.8	59.5
21	57	81	57	84	72	38	69	54	63.8	64.3
22	53	100	59	83	77	36	74	51	65.8	67.5
23	62	84	64	75	82	45	79	58	71.8	65.5
24	69	94	72	90	87	44	80	64	77.0	73.0
25	68	98	74	83	85	49	68	100	73.8	82.5
26	67	100	69	100	78	74	71	100	71.3	93.5
27	65	100	70	98	78	57	75	72	72.0	81.8
28	65	93	62	89	74	37	71	48	68.0	66.8
29	57	100	62	85	76	48	73	53	67.0	71.5
30	63	97	65	87	81	40	75	48	71.0	68.0
31	60	91	69	59	83	37	77	59	72.3	80.0
Avg.	62.9	89.8	64.6	86.9	77.8	48.5	72.2	64.5		

Table 19. Six Hourly Temperature and Relative Humidity, June 1968

Date	Midnight		6:00 AM		Noon		6:00 PM		Average	
	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.
1	67	84	73	62	88	41	82	57	77.8	61.0
2	69	96	75	77	88	42	80	58	78.0	68.3
3	69	96	70	81	87	38	81	61	76.8	69.0
4	71	90	72	75	87	41	80	57	77.8	65.8
5	72	79	71	75	83	37	74	49	75.0	60.0
6	64	72	68	69	83	37	74	42	72.3	55.0
7	68	66	69	76	81	52	75	66	73.3	65.0
8	63	98	74	73	88	38	77	64	75.5	68.3
9	68	99	77	71	89	35	80	48	78.5	63.3
10	70	86	79	64	91	39	85	56	81.3	61.3
11	74	94	71	100	93	45	87	52	81.3	72.8
12	75	100	76	88	95	46	88	44	83.5	69.5
13	73	98	72	84	90	32	85	28	80.0	60.5
14	68	62	66	68	90	36	89	33	78.3	49.8
15	73	62	70	72	89	37	91	33	80.8	51.0
16	74	61	68	100	89	44	90	38	80.3	60.8
17	75	80	71	100	84	56	84	54	78.5	72.5
18	69	100	70	100	86	53	78	83	75.8	84.0
19	71	100	72	97	83	60	72	100	74.5	89.3
20	71	100	73	97	88	48	83	59	78.8	76.0
21	73	79	75	82	89	48	71	100	77.0	77.3
22	69	100	71	100	81	67	71	100	73.0	91.8
23	69	100	71	100	82	73	84	63	76.5	84.0
24	71	100	70	100	87	60	85	69	78.3	82.3
25	75	96	73	100	86	54	85	58	79.8	77.0
26	75	96	75	100	87	51	74	100	77.8	86.8
27	71	99	69	84	77	37	74	36	72.8	64.0
28	61	72	66	65	82	31	78	42	71.8	52.5
29	61	91	71	53	86	34	83	40	75.3	54.5
30	68	76	77	81	89	37	84	49	79.5	60.8
Avg.	69.9	87.7	71.8	83.1	86.6	45.0	80.8	58.0		

Table 20. Six Hourly Temperature and Relative Humidity, July 1968

Date	Midnight		6:00 AM		Noon		6:00 PM		Average	
	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.
1	71	85	77	81	90	41	89	46	81.8	63.3
2	75	85	71	91	89	43	83	53	79.5	68.0
3	73	89	73	92	87	40	67	100	75.0	80.3
4	67	100	69	100	77	76	71	95	71.0	92.8
5	69	100	70	99	77	72	75	84	72.8	88.8
6	69	98	73	90	79	65	75	76	74.0	82.3
7	70	98	75	84	83	49	79	57	76.8	72.0
8	71	100	73	98	77	80	71	100	73.0	94.5
9	69	100	69	99	73	91	72	95	70.8	96.3
10	69	100	69	100	82	58	76	89	74.0	86.8
11	69	100	69	100	76	89	76	97	72.5	96.5
12	69	100	71	100	85	60	72	90	74.3	87.5
13	67	100	73	95	83	57	74	94	74.3	86.5
14	69	100	74	99	85	55	77	82	76.3	84.0
15	71	97	80	85	88	61	77	86	79.0	82.3
16	70	100	71	100	89	61	81	78	77.8	84.8
17	71	95	73	92	71	100	74	82	72.3	92.3
18	68	100	70	98	86	53	74	87	74.5	84.5
19	69	100	71	100	86	55	81	69	76.8	81.0
20	70	100	77	86	87	51	78	76	78.0	78.3
21	71	100	79	77	82	70	75	78	76.8	81.3
22	70	100	78	86	85	58	83	62	79.0	76.5
23	72	91	71	100	85	55	77	81	76.3	81.8
24	71	100	70	100	86	51	85	63	78.0	78.5
25	73	97	72	100	89	46	97	46	82.8	72.3
26	73	85	73	90	91	42	89	47	81.5	66.0
27	75	90	76	91	91	45	88	53	82.5	69.8
28	75	87	77	92	92	45	71	100	78.8	81.0
29	69	100	72	100	87	52	75	77	75.8	82.3
30	67	100	68	100	89	44	88	44	78.0	72.0
31	72	95	72	100	91	41	82	55	79.3	72.8
Avg.	70.5	96.5	72.8	94.4	84.5	58.3	78.5	75.5		

Table 21. Six Hourly Temperature and Relative Humidity, August 1968

Date	Midnight		6:00 AM		Noon		6:00 PM		Average	
	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.
1	72	85	71	100	76	78	76	81	73.8	86.0
2	69	100	72	95	91	45	70	100	75.5	85.0
3	68	100	75	91	86	54	87	51	79.0	74.0
4	76	83	71	100	86	60	89	47	80.5	72.5
5	75	81	68	100	81	66	79	90	75.8	84.3
6	71	100	71	99	87	53	83	69	78.0	80.3
7	73	97	73	100	88	52	87	57	80.3	76.5
8	73	99	75	98	91	49	83	72	80.5	79.5
9	75	98	76	100	92	47	70	100	78.3	86.3
10	69	100	76	100	72	99	72	97	72.3	99.0
11	72	100	74	97	85	63	73	100	76.0	90.0
12	71	100	73	100	84	75	77	95	76.3	92.5
13	71	100	71	100	79	85	73	99	73.5	96.0
14	70	100	71	100	79	80	74	98	73.5	94.5
15	70	100	71	100	84	71	78	81	75.8	88.0
16	71	100	73	100	89	56	77	91	77.5	86.8
17	72	100	76	95	90	52	80	88	79.5	83.8
18	76	96	78	90	89	65	83	82	81.5	83.3
19	74	100	74	100	85	66	83	82	79.0	87.0
20	74	100	71	100	90	50	82	76	79.3	81.5
21	77	94	76	96	91	51	81	89	81.3	82.5
22	78	97	77	91	94	46	79	78	82.0	78.0
23	74	95	74	96	95	43	87	60	82.5	73.5
24	71	84	77	86	91	53	76	68	78.8	72.8
25	69	100	73	88	90	45	80	75	78.0	77.0
26	74	93	73	100	88	54	85	49	80.0	74.0
27	70	58	62	78	81	51	77	51	72.5	59.5
28	69	79	65	85	77	44	73	44	71.0	63.0
29	62	61	57	85	76	39	70	46	66.3	57.8
30	63	53	60	78	77	46	71	50	67.8	56.8
31	62	73	63	90	71	76	63	98	64.8	84.3
Avg.	71.3	91.2	71.5	94.8	85.0	58.5	78.0	76.3		

Table 22. Six Hourly Temperature and Relative Humidity, September 1968

Date	Midnight		6:00 AM		Noon		6:00 PM		Average	
	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.
1	61	100	62	99	79	53	70	66	68.0	76.8
2	63	100	64	100	83	41	77	59	71.8	75.0
3	67	79	65	98	87	40	77	53	74.0	67.5
4	71	71	67	99	87	39	81	50	76.5	64.8
5	73	81	70	99	87	47	75	91	76.3	79.5
6	69	99	71	98	85	45	75	55	75.0	74.3
7	65	65	65	65	85	31	75	47	72.5	52.0
8	67	71	67	83	87	43	72	77	73.3	68.5
9	66	100	66	100	82	45	77	54	72.8	74.8
10	64	94	63	99	85	38	75	43	71.8	68.5
11	62	76	58	89	80	35	71	48	67.8	62.0
12	58	87	59	84	81	25	70	38	67.0	58.5
13	63	59	61	77	84	30	71	50	69.8	54.0
14	65	62	66	67	85	37	73	49	72.3	53.8
15	65	56	65	77	82	39	73	49	71.3	55.3
16	67	87	68	85	75	69	72	81	70.5	80.5
17	67	100	65	100	68	100	67	100	66.8	100.0
18	67	100	67	100	78	73	66	100	69.5	93.3
19	63	100	67	100	80	80	75	98	71.3	94.5
20	72	100	71	100	79	69	72	91	73.5	90.0
21	68	98	70	87	82	44	73	63	73.4	73.0
22	67	80	66	89	81	39	70	64	71.0	68.0
23	63	90	65	89	81	43	75	60	71.0	70.5
24	67	81	63	100	84	41	77	65	72.8	71.8
25	65	97	61	100	85	37	74	67	71.3	75.3
26	68	77	63	100	85	46	71	85	71.8	77.0
27	64	99	63	100	81	42	71	68	69.8	77.3
28	65	66	63	95	79	55	71	77	69.5	73.3
29	67	100	68	99	79	64	69	93	70.8	89.0
30	67	99	67	100	85	39	71	75	73.5	78.3
Avg.	65.9	85.8	65.2	92.6	82.0	47.6	72.9	67.2		

Table 23. Six Hourly Temperature and Relative Humidity, October 1968

Date	Midnight		6:00 AM		Noon		6:00 PM		Average	
	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.
1	63	99	61	100	85	33	69	75	69.5	76.8
2	62	89	63	95	83	38	69	69	69.3	72.8
3	66	82	63	100	83	51	69	100	70.3	83.3
4	65	79	55	48	70	22	57	35	61.8	46.0
5	43	73	51	53	70	29	63	47	56.8	50.5
6	61	78	61	100	67	100	67	100	64.0	94.5
7	68	100	69	100	74	79	71	91	70.5	92.5
8	63	100	61	100	80	43	67	80	67.8	80.8
9	65	100	63	100	67	87	65	95	65.0	95.5
10	61	100	61	97	75	55	67	83	66.0	83.8
11	63	95	63	94	78	48	69	77	68.3	78.5
12	65	91	63	100	77	61	68	87	68.3	84.8
13	65	97	67	96	81	48	69	77	70.5	79.5
14	63	89	65	100	81	42	70	67	69.8	74.5
15	65	79	57	100	78	40	71	60	67.8	69.8
16	64	89	65	96	71	82	70	92	67.5	89.8
17	65	99	68	93	76	73	71	89	70.0	88.5
18	69	98	68	100	70	100	67	100	68.5	99.5
19	63	100	57	76	72	31	58	51	62.5	64.5
20	47	78	53	60	74	25	57	51	57.8	53.5
21	51	85	55	61	77	30	59	57	60.5	58.3
22	55	77	47	100	77	39	64	62	60.8	69.5
23	53	100	49	100	79	31	65	51	61.5	70.5
24	55	61	51	74	63	40	50	91	54.8	66.5
25	47	85	45	95	57	29	45	49	48.5	64.5
26	37	81	38	77	62	26	45	63	45.5	61.8
27	37	98	46	96	67	30	61	38	52.8	65.5
28	55	63	49	93	60	28	49	42	53.3	56.5
29	40	71	31	100	59	32	47	49	44.3	63.0
30	37	100	34	100	69	21	54	53	48.5	68.5
31	51	62	48	82	77	47	61	85	59.3	69.0
Avg.	56.9	87.0	55.7	89.9	72.9	46.5	62.4	69.9		

Table 24. Six Hourly Temperature and Relative Humidity, November 1968

Date	Midnight		6:00 AM		Noon		6:00 PM		Average	
	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.
1	53	100	51	100	75	45	63	67	60.5	78.0
2	54	100	51	100	77	32	61	61	60.8	73.3
3	53	97	54	100	73	42	68	59	62.0	74.5
4	58	100	58	100	61	88	58	96	58.8	96.0
5	53	100	55	100	61	73	58	90	56.8	90.8
6	54	100	55	100	62	63	59	81	57.5	86.0
7	54	100	53	100	63	48	53	55	55.8	75.8
8	47	68	38	100	59	37	48	59	48.0	66.0
9	43	77	40	100	42	100	37	100	40.5	94.3
10	35	100	37	100	52	37	41	73	41.3	77.5
11	38	80	38	100	34	100	37	100	36.8	95.0
12	37	84	37	79	40	59	38	58	38.0	70.0
13	27	98	26	97	52	29	38	73	35.8	74.3
14	31	99	30	99	62	21	45	59	42.0	69.5
15	36	95	41	71	65	50	58	86	50.0	75.5
16	61	98	63	99	63	99	55	99	60.5	98.8
17	57	99	63	99	68	95	65	100	63.3	98.3
18	61	100	57	100	58	49	49	43	56.3	73.0
19	38	74	31	96	46	37	38	56	38.3	65.8
20	32	76	31	83	47	37	38	48	37.0	61.0
21	32	77	26	99	53	27	45	36	39.0	59.8
22	36	61	34	72	66	36	54	59	47.5	57.0
23	43	99	41	99	63	39	51	85	49.5	80.5
24	45	99	50	97	60	75	51	100	51.5	92.8
25	45	100	42	100	62	26	45	65	48.5	72.8
26	39	75	37	76	63	32	51	57	47.5	60.0
27	47	77	48	95	69	52	65	66	57.3	72.5
28	63	73	61	91	60	97	55	83	59.8	86.0
29	46	91	39	100	54	54	48	70	46.8	78.8
30	47	79	43	100	51	83	50	69	47.8	82.8
Avg.	45.5	89.2	44.3	95.1	58.7	55.4	50.7	71.8		

Table 25. Six Hourly Temperature and Relative Humidity, December 1968

Date	Midnight		6:00 AM		Noon		6:00 PM		Average	
	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.	Temp.	R.H.
1	49	75	45	100	49	100	49	100	48.0	93.8
2	47	100	48	100	53	100	49	100	49.3	100.0
3	48	100	49	100	53	100	55	100	51.3	100.0
4	43	77	35	75	45	45	39	55	40.5	63.0
5	34	75	33	72	57	37	48	51	43.0	58.8
6	36	100	38	62	61	36	55	66	47.5	66.0
7	51	100	51	100	59	47	43	31	51.0	69.5
8	31	54	27	86	44	31	34	40	34.0	52.8
9	28	57	25	60	46	25	33	51	33.0	48.3
10	30	85	33	43	47	24	35	47	36.3	49.8
11	27	88	28	62	50	28	39	47	36.0	56.3
12	33	57	30	64	51	39	49	50	40.8	52.5
13	47	69	47	97	56	95	49	100	49.8	90.3
14	44	84	33	84	39	43	31	52	36.8	65.8
15	21	57	17	71	33	45	28	47	24.8	55.0
16	24	63	21	69	48	21	38	28	32.8	45.3
17	27	72	26	64	50	18	35	53	34.5	51.8
18	30	82	30	76	58	21	47	46	41.3	56.3
19	48	86	52	90	61	100	48	88	52.3	91.0
20	44	64	42	67	54	35	43	50	45.8	54.0
21	44	52	44	52	48	56	45	87	45.3	61.8
22	46	100	50	100	60	100	55	100	52.8	100.0
23	45	70	37	61	40	49	36	49	39.5	57.3
24	29	72	25	97	41	38	35	43	32.5	62.5
25	27	73	27	71	47	26	36	51	34.3	55.3
26	27	98	29	61	53	27	49	37	39.5	55.8
27	42	50	40	99	55	80	59	84	49.0	78.3
28	62	100	47	97	51	49	43	60	50.8	76.5
29	37	78	31	100	53	32	42	58	40.8	67.0
30	39	65	36	71	53	40	49	77	44.3	63.3
31	46	100	48	100	51	100	48	100	48.3	100.0
Avg.	38.3	77.5	36.3	79.1	50.5	51.2	43.4	62.8		

Table 26. Soil Temperature and Wind, January 1968

Date	Soil Temperature						Wind at 12'	
	5 cm.		10 cm.		20 cm.		Prvl. dir.	Miles per day
	Max.	Min.	Max.	Min.	Max.	Min.		
1	47	45	49	46	46	44	N	138
2	48	46	49	48	47	46	E	121
3	57	46	58	48	54	47	SE	96
4	56	47	56	49	53	47	N	191
5	41	39	43	40	42	42	E	138
6	47	38	48	40	46	42	SE	143
7	48	41	49	44	46	42	N	217
8	44	36	47	37	43	38	E	191
9	44	34	44	37	43	37	E	155
10	48	39	49	40	45	39	E	122
11	43	43	44	44	42	42	E	139
12	39	40	40	39	39	40	E	130
13	43	37	43	39	40	38	W	113
14	35	36	36	37	35	36	W	166
15	42	33	43	36	39	35	NW	137
16	50	34	51	36	44	34	N	109
17	52	34	54	36	46	35	N	48
18	53	36	54	37	47	36	E	78
19	58	37	58	38	50	37	N	77
20	60	39	60	40	52	38	N	110
21	63	42	63	43	55	43	NW	65
22	65	45	64	46	56	43	N	49
23	57	46	58	47	53	46	E	75
24	44	45	46	46	47	47	NW	189
25	51	38	52	39	46	40	N	84
26	56	37	56	39	49	39	SE	53
27	57	37	57	39	50	38	E	84
28	56	40	57	39	51	40	E	73
29	66	43	65	45	56	41	E	62
30	66	47	66	47	58	46	W	56
31	78	48	77	50	60	48	E	40
Total	1614	1248	1636	1291	1480	1266		3449
Avg.	52.1	40.3	52.8	41.6	47.7	40.8	E	111.3

Table 27. Soil Temperature and Wind, February 1968

Date	Soil Temperature						Wind at 12'	
	5 cm.		10 cm.		20 cm.		Prvl. dir.	Miles per day
	Max.	Min.	Max.	Min.	Max.	Min.		
1	64	55	65	56	59	53	SE	147
2	59	57	59	58	57	56	N	152
3	61	40	60	42	54	44	N	89
4	60	40	61	42	54	43	E	113
5	57	40	57	41	51	42	E	102
6	62	40	63	42	54	42	N	91
7	50	41	52	42	47	43	NW	180
8	53	37	55	39	48	40	NW	203
9	55	36	55	37	48	39	W	143
10	59	35	59	37	51	38	W	119
11	57	37	57	39	50	39	N	168
12	57	34	56	36	48	38	N	102
13	56	33	56	35	48	37	N	155
14	56	35	55	37	47	36	W	106
15	44	34	45	37	43	37	NW	104
16	58	36	57	37	49	38	W	82
17	57	35	57	37	49	39	N	136
18	45	37	46	37	43	38	N	106
19	60	35	59	37	50	38	N	113
20	62	35	61	37	62	37	W	128
21	57	36	57	38	47	39	N	146
22	54	35	55	37	47	39	NE	163
23	42	34	43	36	42	37	NE	145
24	56	38	55	39	49	39	N	113
25	60	37	59	39	55	36	N	121
26	59	38	57	40	50	36	N	81
27	59	42	58	43	50	42	N	135
28	48	38	49	40	55	41	NE	74
29	51	38	52	40	46	39	N	288
Total	1618	1108	1620	1157	1453	1165		3805
Avg.	55.8	38.2	55.9	39.9	50.1	40.2	N	131.2

Table 28. Soil Temperature and Wind, March 1968

Date	Soil Temperature						Wind at 12'	
	5 cm.		10 cm.		20 cm.		Prvl. dir.	Miles per day
	Max.	Min.	Max.	Min.	Max.	Min.		
1	52	35	52	40	45	38	SW	175
2	57	34	56	37	48	36	W	167
3	58	36	58	39	52	37	N	172
4	60	37	60	39	52	40	N	97
5	59	36	59	39	51	37	W	90
6	62	37	61	39	53	38	N	132
7	68	42	67	43	57	44	E	121
8	68	42	68	44	59	41	S	106
9	69	45	68	46	61	43	SW	86
10	72	53	72	55	64	50	W	96
11	73	55	63	56	60	56	E	181
12	70	55	70	57	64	55	W	227
13	60	44	59	46	54	49	N	237
14	57	38	56	40	51	42	SE	150
15	64	36	63	40	55	41	E	139
16	63	45	63	47	59	42	N	95
17	70	49	67	51	59	52	N	130
18	73	49	69	50	61	50	SW	75
19	76	48	72	51	64	49	SW	47
20	78	51	75	53	68	52	S	95
21	72	54	70	56	64	55	S	109
22	67	59	65	61	62	57	S	224
23	53	42	54	45	50	47	W	175
24	60	39	58	41	52	42	N	114
25	71	38	66	41	58	40	N	61
26	75	42	70	45	61	42	S	52
27	76	50	71	51	63	47	S	93
28	75	53	71	54	64	50	SW	46
29	80	56	75	57	67	53	W	48
30	80	57	77	59	70	57	SW	66
31	78	62	75	62	68	59	SW	117
Total	2096	1419	2030	1484	1816	1441		3723
Avg.	67.6	45.8	65.5	47.9	58.6	46.5	N	120.1

Table 29. Soil Temperature and Wind, April 1968

Date	Soil Temperature						Wind at 12'	
	5 cm.		10 cm.		20 cm.		Prvl.	Miles
	Max.	Min.	Max.	Min.	Max.	Min.	dir.	per day
1	82	60	79	62	75	61	N	123
2	63	58	63	59	61	60	E	189
3	71	58	74	59	63	59	E	133
4	80	59	76	60	68	58	N	218
5	68	62	67	63	63	59	N	146
6	77	49	73	53	67	55	N	102
7	70	54	69	56	64	53	SE	144
8	78	59	75	61	67	57	E	111
9	83	60	78	62	71	58	NE	97
10	65	63	65	64	63	62	NE	132
11	78	54	74	55	66	56	N	125
12	81	52	76	54	68	54	SE	56
13	78	54	75	57	68	54	SE	94
14	71	62	70	61	66	58	S	80
15	75	62	75	63	74	60	N	173
16	78	52	76	44	68	56	NE	105
17	76	54	75	55	64	55	S	118
18	82	59	80	60	73	58	SW	54
19	86	65	84	65	76	61	SW	63
20	81	66	79	67	74	64	W	88
21	83	64	81	66	75	66	W	69
22	80	65	79	66	74	63	E	44
23	80	65	78	66	73	65	SW	87
24	68	65	68	65	66	65	N	104
25	78	54	75	55	69	57	W	81
26	79	56	78	57	72	56	SW	68
27	78	60	75	60	68	58	S	50
28	83	64	80	65	73	59	SE	78
29	71	66	71	66	68	61	N	121
30	80	59	78	59	72	60	N	101
Total	2303	1780	2246	1805	2069	1768		3154
Avg.	76.8	59.3	74.9	60.2	69.0	58.9	N	105.1

Table 30. Soil Temperature and Wind, May 1968

Date	Soil Temperature						Wind at 12'	
	5 cm.		10 cm.		20 cm.		Prvl. dir.	Miles per day
	Max.	Min.	Max.	Min.	Max.	Min.		
1	82	58	79	60	73	59	W	88
2	85	59	83	60	76	59	SW	60
3	88	60	86	62	78	61	W	56
4	80	63	78	65	72	61	W	63
5	83	61	81	63	75	65	N	170
6	85	54	83	56	74	59	E	103
7	89	53	86	57	76	56	E	163
8	88	58	85	60	72	59	E	144
9	88	63	86	65	78	64	E	94
10	91	63	88	65	80	64	SE	104
11	88	64	86	66	78	65	SE	110
12	96	72	92	73	83	72	SW	65
13	93	71	90	72	83	70	W	46
14	88	70	87	71	81	69	W	69
15	80	72	79	74	76	73	SE	64
16	90	71	88	72	81	69	W	109
17	88	71	86	72	81	70	SW	109
18	80	72	79	73	75	73	SW	97
19	85	70	84	71	78	71	N	166
20	84	60	82	62	77	65	N	108
21	85	61	82	62	76	64	N	73
22	90	61	87	63	80	62	SE	29
23	93	63	90	65	83	64	S	93
24	99	64	96	67	87	66	E	48
25	96	70	93	71	85	70	E	70
26	86	73	84	73	79	73	W	92
27	87	69	85	70	79	71	W	83
28	83	68	83	70	78	69	N	111
29	84	65	82	66	76	67	W	77
30	88	65	86	67	79	66	W	105
31	92	66	90	68	82	66	E	37
Total	2714	2010	2646	2061	2431	2042		2806
Avg.	87.5	64.8	85.4	66.5	78.4	65.9	W	90.5

Table 31. Soil Temperature and Wind, June 1968

Date	Soil Temperature						Wind at 12'	
	5 cm.		10 cm.		20 cm.		Prvl. dir.	Miles per day
	Max.	Min.	Max.	Min.	Max.	Min.		
1	98	68	95	69	86	67	W	31
2	99	72	95	74	87	70	W	60
3	101	74	98	75	89	61	NW	66
4	102	74	97	75	89	74	NE	106
5	101	73	97	75	88	76	E	117
6	100	71	96	73	88	75	NE	125
7	94	73	91	74	85	73	N	132
8	99	72	96	74	88	75	W	74
9	100	75	96	76	89	73	W	55
10	109	76	99	78	90	74	N	75
11	104	77	100	78	92	76	N	74
12	107	77	101	77	94	76	NW	110
13	104	77	100	79	92	79	N	114
14	104	73	100	75	92	78	NE	70
15	106	74	101	76	92	75	S	46
16	106	79	100	80	92	78	W	69
17	105	80	100	81	91	80	SW	60
18	96	77	93	78	87	79	NE	58
19	90	77	88	77	83	78	N	96
20	92	75	90	75	84	76	N	103
21	94	74	91	75	85	73	E	60
22	88	75	87	76	83	74	SE	43
23	90	76	88	76	83	75	W	37
24	94	76	92	76	86	64	W	40
25	92	77	90	77	85	74	W	78
26	94	77	92	78	86	75	SW	137
27	90	76	89	77	84	77	W	95
28	94	68	93	70	86	73	W	42
29	100	68	98	71	90	70	S	21
30	104	72	101	74	93	73	S	29
Total	2957	2233	2854	2269	2639	2221		2223
Avg.	98.6	74.4	95.1	75.6	88.0	74.0	W	74.1

Table 32. Soil Temperature and Wind, July 1968

Date	Soil Temperature						Wind at 12'	
	5 cm.		10 cm.		20 cm.		Prvl.	Miles
	Max.	Min.	Max.	Min.	Max.	Min.	dir.	per day
1	102	78	99	79	92	79	E	49
2	107	77	104	79	95	79	S	48
3	108	78	104	81	94	80	N	75
4	87	76	87	77	82	78	E	86
5	87	75	86	76	82	76	E	94
6	83	75	84	76	81	72	NE	117
7	88	73	89	75	84	75	NE	97
8	83	75	82	76	80	75	E	126
9	78	73	78	75	76	74	NE	93
10	89	73	88	74	82	72	W	23
11	90	73	88	74	83	72	S	30
12	94	74	90	76	84	74	W	41
13	93	76	91	76	85	76	SW	35
14	97	76	94	76	87	74	SW	34
15	95	76	93	77	86	75	W	42
16	97	74	95	77	88	75	W	30
17	91	76	89	78	84	75	N	43
18	96	74	94	75	87	75	SW	41
19	96	73	95	75	89	74	W	59
20	101	76	99	78	91	78	W	62
21	101	79	97	79	91	78	N	34
22	102	77	98	79	91	80	SE	43
23	94	77	92	78	86	79	E	34
24	104	75	101	77	92	78	SW	32
25	107	76	103	78	95	75	W	40
26	108	78	105	80	96	80	W	36
27	108	80	104	82	97	80	W	47
28	108	82	104	83	96	82	W	92
29	106	78	102	79	93	81	W	78
30	108	77	104	78	95	79	W	41
31	107	76	103	77	96	78	W	61
Total	3015	2356	2942	2400	2740	2378		1763
Avg.	97.3	76.0	94.9	77.4	88.4	76.7	W	56.9

Table 33. Soil Temperature and Wind, August 1968.

Date	Soil Temperature						Wind at 12'	
	5 cm.		10 cm.		20 cm.		Prvl. dir.	Miles per day
	Max.	Min.	Max.	Min.	Max.	Min.		
1	102	81	98	82	90	83	W	55
2	107	80	102	81	94	83	NE	53
3	96	76	94	79	89	80	E	55
4	96	77	94	79	89	77	SE	83
5	91	77	89	78	85	77	E	66
6	95	76	93	78	88	76	SE	67
7	98	78	96	79	90	76	N	52
8	100	79	97	81	92	78	W	55
9	104	80	100	81	93	81	NW	65
10	92	79	89	79	85	80	W	68
11	89	78	88	78	84	79	W	73
12	90	76	89	77	84	75	E	61
13	92	76	90	77	85	74	SE	81
14	88	76	86	77	82	75	S	59
15	94	75	92	77	86	72	W	56
16	96	75	93	77	88	76	W	52
17	95	76	92	78	87	78	N	52
18	96	78	94	79	89	78	N	76
19	98	78	96	80	90	79	S	60
20	104	78	101	79	93	80	W	47
21	105	78	101	80	93	81	N	78
22	106	79	102	81	95	81	NE	76
23	110	80	106	81	97	80	N	43
24	105	79	101	82	95	80	N	94
25	96	77	94	79	90	81	N	102
26	100	77	97	79	91	81	N	103
27	99	72	96	74	90	78	NE	159
28	97	71	94	74	88	76	NE	163
29	97	69	96	72	87	75	NE	154
30	93	68	91	72	85	75	NE	134
31	85	69	84	72	80	74	NE	133
Total	3016	2368	2935	2422	2754	2419		2480
Avg.	97.3	76.4	94.7	78.1	88.8	78.0	N	80.0

Table 34. Soil Temperature and Wind, September 1968

Date	Soil Temperature						Wind at 12'	
	5 cm.		10 cm.		20 cm.		Prvl. dir.	Miles per day
	Max.	Min.	Max.	Min.	Max.	Min.		
1	95	72	92	74	85	75	N	91
2	98	71	99	73	87	73	SE	46
3	99	74	95	76	88	74	E	53
4	99	75	95	76	88	76	SE	53
5	99	76	95	78	89	78	SW	66
6	98	78	95	78	89	80	N	105
7	100	72	97	75	90	78	NE	121
8	100	76	95	77	88	77	E	90
9	100	75	95	77	88	78	SE	54
10	98	74	95	76	88	78	W	101
11	96	70	93	73	86	76	N	123
12	98	68	94	71	86	75	N	114
13	98	68	94	72	87	73	NE	92
14	98	69	95	72	88	73	E	116
15	95	72	92	74	86	74	E	131
16	84	75	83	77	80	77	SE	116
17	74	71	75	74	76	75	E	137
18	83	71	81	73	77	74	S	111
19	85	71	83	72	79	72	E	84
20	82	69	82	72	79	71	E	131
21	87	70	86	72	81	74	NE	109
22	86	68	85	71	80	72	E	98
23	88	66	86	68	80	70	NE	96
24	91	66	88	68	82	69	NE	49
25	94	69	91	70	84	70	E	51
26	92	69	89	71	83	71	N	77
27	94	68	90	70	84	72	N	117
28	93	68	90	71	83	72	NE	99
29	89	72	87	73	81	72	NE	95
30	96	70	92	71	85	72	NE	56
Total	2789	2133	2709	2195	2527	2221		2782
Avg.	93.0	71.1	90.3	73.2	84.2	74.0	E	92.7

Table 35. Soil Temperature and Wind, October 1968

Date	Soil Temperature						Wind at 12'	
	5 cm.		10 cm.		20 cm.		Prvl. dir.	Miles per day
	Max.	Min.	Max.	Min.	Max.	Min.		
1	97	69	93	70	85	70	NE	39
2	93	69	91	71	85	70	S	59
3	93	69	89	71	82	72	W	75
4	88	65	86	68	80	72	N	169
5	86	59	84	61	77	65	E	144
6	71	63	71	64	70	63	S	144
7	84	67	82	69	78	69	N	57
8	89	67	88	69	81	70	N	80
9	74	67	74	69	73	69	E	94
10	87	66	83	67	77	69	E	69
11	90	66	87	67	80	68	E	119
12	88	65	85	69	79	67	E	102
13	93	67	90	70	82	71	E	72
14	94	68	90	70	83	70	NE	90
15	90	67	88	70	87	70	E	173
16	80	67	79	69	76	70	E	159
17	81	71	80	72	76	72	E	117
18	79	70	78	72	76	72	N	106
19	84	65	82	66	77	69	N	149
20	83	57	81	60	76	63	N	133
21	83	58	80	60	74	62	E	82
22	86	58	83	60	76	61	N	49
23	86	57	84	60	77	62	N	85
24	74	60	73	62	69	63	N	74
25	62	55	59	56	60	60	N	139
26	77	51	74	53	68	55	N	85
27	78	52	75	54	79	56	SW	64
28	75	56	73	57	68	55	NW	141
29	75	50	72	52	66	56	N	76
30	78	50	75	52	68	53	E	41
31	83	50	79	53	71	53	E	33
Total	2581	1921	2508	1983	2356	2017		3019
Avg.	83.3	62.0	80.9	64.0	76.0	65.1	N	97.4

Table 36. Soil Temperature and Wind, November 1968

Date	Soil Temperature						Wind at 12'	
	5 cm.		10 cm.		20 cm.		Prvl. dir.	Miles per day
	Max.	Min.	Max.	Min.	Max.	Min.		
1	80	58	77	60	72	59	W	35
2	81	61	78	62	72	60	N	29
3	78	60	75	62	70	60	S	88
4	67	64	67	65	65	62	W	74
5	67	60	66	62	64	62	W	47
6	66	60	66	61	63	59	S	75
7	70	59	69	60	64	59	W	123
8	68	50	67	52	62	54	N	104
9	52	49	52	51	53	52	N	162
10	60	44	60	46	55	47	N	69
11	46	45	48	48	49	48	W	154
12	44	41	46	43	45	45	W	157
13	57	37	57	40	50	41	NW	35
14	60	37	60	39	54	40	S	31
15	60	40	60	42	57	41	SE	106
16	64	44	64	47	60	45	S	103
17	66	58	66	58	61	56	S	113
18	67	61	67	63	63	58	NW	147
19	57	43	57	46	53	48	NW	88
20	55	42	56	43	51	49	NW	68
21	59	39	58	41	52	43	SW	37
22	62	39	62	41	56	41	W	38
23	62	42	61	44	57	43	SW	26
24	62	51	61	52	55	49	NW	84
25	62	47	62	48	57	49	N	57
26	62	43	61	45	55	46	SE	88
27	65	43	63	45	57	44	SE	169
28	64	50	63	52	60	47	SW	167
29	60	48	59	49	56	50	N	82
30	54	47	56	49	53	47	E	138
Total	1877	1162	1864	1516	1741	1504		2694
Avg.	62.6	48.7	62.1	50.5	58.0	50.1	W	89.8

Table 37. Soil Temperature and Wind, December 1968

Date	Soil Temperature						Wind at 12'	
	5 cm.		10 cm.		20 cm.		Prvl. dir.	Miles per day
	Max.	Min.	Max.	Min.	Max.	Min.		
1	51	51	52	52	51	50	E	182
2	57	50	58	50	55	50	NE	47
3	54	51	55	52	53	50	W	170
4	54	43	55	46	51	48	W	127
5	57	40	56	41	51	42	W	63
6	60	38	59	42	53	40	SW	60
7	62	42	61	44	55	43	NW	106
8	52	38	52	41	48	43	N	53
9	50	37	51	39	47	39	W	27
10	50	35	50	39	46	39	N	16
11	52	38	51	39	46	40	SE	45
12	50	36	50	39	45	38	SE	110
13	53	36	54	39	51	39	SE	132
14	51	42	51	44	48	44	NW	129
15	42	36	43	38	40	39	NW	61
16	48	35	47	37	42	37	W	33
17	48	33	48	36	44	36	S	21
18	51	35	52	38	46	37	SE	89
19	54	36	54	38	53	39	SE	106
20	53	45	54	47	50	44	NW	80
21	49	45	50	47	47	45	E	143
22	57	46	57	48	53	44	W	184
23	51	45	52	47	49	46	W	166
24	49	37	50	40	48	40	NW	69
25	50	36	51	39	46	37	N	32
26	52	37	52	40	47	38	E	100
27	57	36	57	39	52	35	SE	193
28	57	43	57	45	53	34	W	167
29	55	40	56	42	50	43	NW	69
30	54	39	53	42	47	42	E	127
31	51	39	51	42	48	41	NW	119
Total	1631	1240	1639	1312	1515	1282		3026
Avg.	52.6	40.0	52.9	42.3	48.9	41.4	W	97.6

Table 38. Duration in Hours and Tenths of Hours that the Temperature Was at 32° or Lower

1968 Date	Min.	32°	30°	28°	26°	24°	22°	20°	18°	16°
1-4-68	31.0	1.2								
1-5-68	28.0	9.5	6.3	1.1						
1-7-68	25.5	6.4	5.1	2.6	0.6					
1-8-68	22.0	9.0	8.6	8.1	7.4	3.6	0.9			
1-9-68	32.0	0.5								
1-11-68	31.0	2.4								
1-12-68	29.0	24.0	6.7							
1-13-68	26.0	17.5	14.4	4.6	1.5					
1-14-68	20.6	24.0	24.0	24.0	14.3	7.1	3.2			
1-15-68	26.0	11.8	8.1	5.1	0.4					
1-16-68	26.0	9.0	5.0	2.6	0.6					
1-17-68	26.5	7.6	5.4	2.0						
1-24-68	30.0	13.7	1.1							
1-25-68	26.5	11.1	8.9	4.5						
1-26-68	25.0	7.0	6.8	6.0	3.5					
1-27-68	30.7	0.9								
2-3-68	31.5	1.0								
2-7-68	27.0	8.9	6.2	2.4						
2-8-68	27.0	13.1	11.4	7.0						
2-9-68	25.5	8.0	7.2	4.9	0.9					
2-10-68	28.9	5.1	1.9							
2-11-68	22.0	11.2	6.4	3.9	3.3	2.1	0.8			
2-12-68	19.0	10.4	9.6	8.6	8.2	7.7	6.9	3.6		
2-13-68	27.0	12.1	10.5	6.7						
2-14-68	22.0	8.8	8.4	6.9	3.9	1.3	0.2			
2-15-68	28.5	9.9	2.5							
2-16-68	26.0	9.9	6.6	3.0	0.9					
2-17-68	27.6	6.6	4.8	0.6						
2-18-68	30.5	2.1								
2-19-68	27.5	8.2	3.0	0.8						
2-20-68	27.5	7.3	4.9	2.3						
2-21-68	27.0	5.8	5.5	4.6						
2-22-68	19.0	9.7	9.2	8.7	6.2	4.4	2.9	1.6		
2-23-68	30.5	4.4								
2-24-68	30.1	8.3	0.5							
2-25-68	29.6	6.4	1.1							
2-27-68	30.0	0.4	0.1							
2-28-68	26.0	7.4	7.0	5.1	0.4					
2-29-68	28.0	5.6	2.4	0.4						

Table 39. Cooling Degree Days 1968 - Base 75°

Date	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0	0	0	0	0	2	5	5	0	0	0	0
2	0	0	0	0	0	1	6	6	0	0	0	0
3	0	0	0	0	0	3	4	4	4	0	0	0
4	0	0	0	0	0	4	0	6	5	0	0	0
5	0	0	0	0	0	0	1	2	2	0	0	0
6	0	0	0	0	0	0	1	5	0	0	0	0
7	0	0	0	0	0	0	2	7	4	0	0	0
8	0	0	0	0	0	2	1	8	2	0	0	0
9	0	0	0	0	0	4	0	7	0	0	0	0
10	0	0	0	0	0	6	1	5	0	0	0	0
11	0	0	0	0	0	7	0	5	0	0	0	0
12	0	0	0	0	0	8	2	4	0	0	0	0
13	0	0	0	0	1	4	2	3	0	0	0	0
14	0	0	0	0	2	0	3	2	0	0	0	0
15	0	0	0	0	0	5	6	5	0	0	0	0
16	0	0	0	0	1	5	5	5	0	0	0	0
17	0	0	0	0	1	6	3	7	0	0	0	0
18	0	0	0	0	0	5	3	9	0	0	0	0
19	0	0	0	0	0	3	4	6	0	0	0	0
20	0	0	0	0	0	5	5	7	1	0	0	0
21	0	0	0	0	0	6	6	10	0	0	0	0
22	0	0	0	0	0	3	4	10	0	0	0	0
23	0	0	0	0	0	3	4	10	0	0	0	0
24	0	0	0	0	1	5	5	9	1	0	0	0
25	0	0	0	0	2	6	7	6	0	0	0	0
26	0	0	0	0	0	6	7	6	0	0	0	0
27	0	0	0	0	0	0	8	0	0	0	0	0
28	0	0	0	0	0	0	8	0	0	0	0	0
29	0	0	0	0	0	0	6	0	0	0	0	0
30	0	0	0	0	0	4	5	0	0	0	0	0
31	0	0	0	0	0	0	7	0	0	0	0	0
Total	0	0	0	0	8	103	121	159	19	0	0	0

Table 40. Heating Degree Days 1968 - Base 65°

Date	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	21	5	28	0	0	0	0	0	0	0	0	16
2	20	17	20	6	0	0	0	0	0	0	0	13
3	11	20	22	1	0	0	0	0	0	0	2	15
4	18	16	22	0	0	0	0	0	0	7	3	24
5	32	16	20	10	0	0	0	0	0	7	6	19
6	21	16	13	9	6	0	0	0	0	0	6	15
7	29	27	15	3	0	0	0	0	0	0	8	19
8	30	28	11	0	0	0	0	0	0	0	17	29
9	29	26	6	0	0	0	0	0	0	0	26	28
10	20	23	0	8	0	0	0	0	0	0	23	26
11	30	31	5	7	0	0	0	0	0	0	29	25
12	34	31	11	5	0	0	0	0	0	0	31	22
13	33	27	24	1	0	0	0	0	0	0	24	12
14	41	28	23	0	0	0	0	0	0	0	17	32
15	31	30	11	0	0	0	0	0	0	0	14	39
16	27	26	9	4	0	0	0	0	0	0	5	29
17	22	24	9	0	0	0	0	0	0	0	0	26
18	18	29	5	0	0	0	0	0	0	0	8	20
19	14	24	5	0	0	0	0	0	0	4	25	12
20	11	20	0	0	4	0	0	0	0	2	25	15
21	10	29	2	0	1	0	0	0	0	0	23	17
22	8	31	13	0	0	0	0	0	0	2	13	9
23	15	30	29	0	0	0	0	0	0	0	11	29
24	31	25	24	11	0	0	0	0	0	7	9	31
25	28	23	13	6	0	0	0	0	0	18	13	26
26	24	18	9	3	0	0	0	0	0	16	14	23
27	19	24	5	4	0	0	0	0	0	11	6	14
28	13	28	1	0	0	0	0	0	0	14	8	14
29	6	27	0	0	0	0	0	0	0	18	16	22
30	7		0	1	0	0	0	0	0	11	17	18
31	3		0		0		0	0		1		23
Total	656	699	355	79	11	0	0	0	0	118	399	662

Table 41. Time of Sunrise at Auburn, Alabama (a.m., CST),
Latitude $32^{\circ} 34' N.$, Longitude $85^{\circ} 31' W.$

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6:47	6:40	6:14	5:33	4:58	4:38	4:41	4:59	5:19	5:39	6:02	6:29
2	6:47	6:39	6:12	5:33	4:57	4:38	4:41	5:00	5:20	5:40	6:03	6:29
3	6:47	6:39	6:11	5:31	4:57	4:38	4:42	5:00	5:21	5:40	6:04	6:30
4	6:48	6:38	6:10	5:29	4:56	4:38	4:42	5:01	5:21	5:41	6:05	6:31
5	6:48	6:37	6:09	5:28	4:55	4:37	4:43	5:02	5:22	5:42	6:06	6:32
6	6:48	6:36	6:07	5:27	4:54	4:37	4:43	5:02	5:23	5:42	6:07	6:33
7	6:48	6:36	6:06	5:26	4:53	4:37	4:43	5:03	5:23	5:43	6:08	6:33
8	6:48	6:35	6:05	5:24	4:52	4:37	4:44	5:04	5:24	5:44	6:08	6:34
9	6:48	6:34	6:04	5:23	4:51	4:37	4:44	5:04	5:24	5:45	6:09	6:35
10	6:48	6:33	6:02	5:22	4:51	4:37	4:45	5:05	5:25	5:45	6:10	6:36
11	6:48	6:32	6:01	5:21	4:50	4:37	4:46	5:06	5:26	5:46	6:11	6:36
12	6:48	6:31	6:00	5:19	4:49	4:37	4:46	5:06	5:26	5:47	6:12	6:37
13	6:48	6:31	5:58	5:18	4:48	4:37	4:47	5:07	5:27	5:48	6:13	6:38
14	6:47	6:30	5:57	5:17	4:48	4:37	4:47	5:08	5:28	5:48	6:14	6:38
15	6:47	6:29	5:56	5:16	4:47	4:37	4:48	5:08	5:28	5:49	6:15	6:39
16	6:47	6:28	5:55	5:14	4:46	4:37	4:49	5:09	5:29	5:50	6:15	6:40
17	6:47	6:27	5:53	5:13	4:45	4:37	4:49	5:10	5:30	5:51	6:16	6:40
18	6:46	6:26	5:52	5:12	4:45	4:37	4:50	5:10	5:30	5:51	6:17	6:41
19	6:46	6:25	5:51	5:11	4:44	4:37	4:50	5:11	5:31	5:52	6:18	6:41
20	6:46	6:24	5:49	5:10	4:44	4:37	4:51	5:11	5:32	5:53	6:19	6:42
21	6:45	6:23	5:48	5:09	4:43	4:38	4:52	5:12	5:32	5:54	6:20	6:42
22	6:45	6:22	5:47	5:08	4:42	4:38	4:52	5:13	5:33	5:55	6:21	6:42
23	6:45	6:20	5:45	5:07	4:42	4:38	4:53	5:13	5:34	5:55	6:22	6:43
24	6:44	6:19	5:44	5:06	4:41	4:38	4:54	5:14	5:34	5:56	6:23	6:44
25	6:44	6:18	5:43	5:04	4:41	4:39	4:54	5:15	5:35	5:57	6:23	6:44
26	6:43	6:17	5:41	5:03	4:41	4:39	4:55	5:15	5:36	5:58	6:24	6:45
27	6:43	6:16	5:40	5:02	4:40	4:39	4:56	5:16	5:36	5:58	6:25	6:45
28	6:42	6:15	5:39	5:01	4:40	4:40	4:56	5:17	5:37	5:59	6:26	6:45
29	6:42	6:14	5:37	5:00	4:39	4:40	4:57	5:17	5:38	6:00	6:27	6:46
30	6:41		5:36	4:59	4:39	4:40	4:58	5:18	5:38	6:01	6:28	6:46
31	6:41		5:35		4:39		4:58	5:19		6:02		6:46

Sunrise and sunset are considered to occur when the upper edge of the disk of the sun appears to be exactly on the horizon, with normal atmospheric conditions, and at zero elevation above the earth's surface in a level region. Times of sunrise and sunset shown in the tables are valid for the remainder of the 20th century.

Table 42. Time of Sunset at Auburn, Alabama (p.m., CST),
Latitude 32° 34' N., Longitude 85° 31' W.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4:50	5:18	5:42	6:05	6:26	6:47	6:57	6:43	6:10	5:30	4:54	4:39
2	4:51	5:19	5:43	6:06	6:27	6:48	6:57	6:42	6:09	5:29	4:54	4:39
3	4:52	5:20	5:44	6:07	6:28	6:49	6:56	6:42	6:08	5:27	4:53	4:39
4	4:53	5:21	5:44	6:07	6:28	6:49	6:56	6:41	6:06	5:26	4:52	4:39
5	4:53	5:21	5:45	6:08	6:29	6:50	6:56	6:40	6:05	5:25	4:51	4:39
6	4:54	5:22	5:46	6:09	6:30	6:50	6:56	6:39	6:04	5:23	4:50	4:39
7	4:55	5:23	5:47	6:09	6:31	6:51	6:56	6:38	6:02	5:22	4:50	4:39
8	4:56	5:24	5:47	6:10	6:31	6:51	6:56	6:37	6:01	5:21	4:49	4:39
9	4:57	5:25	5:48	6:11	6:32	6:52	6:55	6:36	6:00	5:20	4:48	4:39
10	4:58	5:26	5:49	6:12	6:33	6:52	6:55	6:35	5:58	5:18	4:48	4:40
11	4:58	5:27	5:50	6:12	6:33	6:53	6:55	6:34	5:57	5:17	4:47	4:40
12	4:59	5:28	5:51	6:13	6:34	6:53	6:55	6:33	5:56	5:16	4:46	4:40
13	5:00	5:29	5:51	6:14	6:35	6:53	6:54	6:32	5:54	5:15	4:46	4:40
14	5:01	5:29	5:52	6:14	6:36	6:54	6:54	6:31	5:53	5:13	4:45	4:41
15	5:02	5:30	5:53	6:15	6:36	6:54	6:54	6:30	5:52	5:12	4:45	4:41
16	5:03	5:31	5:54	6:16	6:37	6:54	6:53	6:29	5:50	5:11	4:44	4:41
17	5:04	5:32	5:54	6:16	6:38	6:55	6:53	6:28	5:49	5:10	4:43	4:42
18	5:05	5:33	5:55	6:17	6:38	6:55	6:52	6:27	5:48	5:09	4:43	4:42
19	5:06	5:34	5:56	6:18	6:39	6:55	6:52	6:26	5:46	5:08	4:43	4:42
20	5:07	5:34	5:56	6:19	6:40	6:55	6:51	6:25	5:45	5:06	4:42	4:43
21	5:08	5:35	5:57	6:19	6:40	6:55	6:51	6:24	5:44	5:05	4:42	4:43
22	5:09	5:36	5:58	6:20	6:41	6:56	6:50	6:23	5:42	5:04	4:41	4:43
23	5:10	5:37	5:59	6:21	6:42	6:56	6:50	6:21	5:41	5:03	4:41	4:44
24	5:10	5:38	5:59	6:21	6:42	6:56	6:49	6:20	5:40	5:02	4:41	4:45
25	5:11	5:39	6:00	6:22	6:43	6:56	6:48	6:19	5:38	5:01	4:40	4:45
26	5:12	5:39	6:01	6:23	6:43	6:57	6:48	6:18	5:37	5:00	4:40	4:46
27	5:13	5:40	6:02	6:23	6:44	6:57	6:47	6:17	5:35	4:59	4:40	4:47
28	5:14	5:41	6:02	6:24	6:45	6:57	6:46	6:15	5:34	4:58	4:40	4:47
29	5:15	5:42	6:03	6:25	6:45	6:57	6:45	6:14	5:33	4:57	4:39	4:48
30	5:16		6:04	6:26	6:46	6:57	6:45	6:13	5:31	4:56	4:39	4:49
31	5:17		6:04		6:46		6:44	6:12		4:55		4:49

Sunrise and sunset are considered to occur when the upper edge of the disk of the sun appears to be exactly on the horizon, with normal atmospheric conditions, and at zero elevation above the earth's surface in a level region. Times of sunrise and sunset shown in the tables are valid for the remainder of the 20th century.

Table 43. Growing Degree Days for 1968 - Base 40°

Date	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4	20	0	26	25	37	40	40	32	34	25	9
2	5	8	5	19	28	36	41	41	34	34	26	12
3	14	5	3	24	29	38	39	39	38	32	23	10
4	7	9	3	31	26	39	35	41	39	18	22	1
5	0	9	5	15	26	35	36	37	40	18	19	6
6	4	9	12	16	19	33	36	40	37	25	19	10
7	0	0	10	22	26	34	37	42	35	35	17	6
8	0	0	14	28	28	37	36	43	39	33	8	0
9	0	0	19	30	28	39	33	42	37	27	0	0
10	5	2	25	17	30	41	36	40	35	31	2	0
11	0	0	20	18	34	42	35	40	29	33	0	0
12	0	0	14	20	35	43	37	39	31	32	0	3
13	0	0	1	24	36	39	37	38	32	34	1	13
14	0	0	2	25	37	35	38	37	35	33	8	0
15	0	0	14	25	33	40	41	40	35	31	11	0
16	0	0	16	21	36	40	40	40	33	31	20	0
17	3	1	16	26	36	41	38	42	30	34	26	0
18	7	0	20	29	30	40	38	44	32	30	17	5
19	11	1	20	34	28	38	39	41	33	21	0	13
20	14	5	26	30	21	40	40	42	36	23	0	10
21	15	0	23	33	24	41	41	45	35	25	2	8
22	17	0	12	33	27	38	39	45	34	23	12	16
23	10	0	0	29	31	38	39	45	33	25	14	0
24	0	0	1	14	36	40	40	44	36	18	16	0
25	0	2	2	19	37	41	42	41	35	7	12	0
26	1	7	16	22	34	41	42	41	34	9	11	2
27	6	1	20	21	32	32	43	34	32	14	19	11
28	12	0	24	29	28	32	43	34	33	11	17	11
29	19	0	27	26	26	35	41	30	35	7	9	3
30	18		28	24	30	39	40	30	35	14	8	7
31	22		26		31		42	27		24		2
Total	194	79	424	730	927	1144	1204	1224	1034	766	364	158

Table 44. Growing Degree Days for 1968 - Base 45°

Date	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0	15	0	21	20	32	35	35	27	29	20	4
2	0	3	0	14	23	31	36	36	29	29	21	7
3	9	0	0	19	24	33	34	34	33	27	18	5
4	2	4	0	26	21	34	30	36	34	13	17	0
5	0	4	0	10	21	30	31	32	35	13	14	1
6	0	4	7	11	14	28	31	35	32	20	14	5
7	0	0	5	17	21	29	32	37	30	30	12	1
8	0	0	9	23	23	32	31	38	34	28	3	0
9	0	0	14	25	23	34	28	37	32	22	0	0
10	0	0	20	12	25	36	31	35	30	26	0	0
11	0	0	15	13	29	37	30	35	24	28	0	0
12	0	0	9	15	30	38	32	34	26	27	0	0
13	0	0	0	19	31	34	32	33	27	29	0	8
14	0	0	0	20	32	30	33	32	30	28	3	0
15	0	0	9	20	28	35	36	35	30	26	6	0
16	0	0	11	16	31	35	35	35	28	26	15	0
17	0	0	11	21	31	36	33	37	25	29	21	0
18	2	0	15	24	25	35	33	39	27	25	12	0
19	6	0	15	29	23	33	34	36	28	16	0	8
20	9	0	21	25	16	35	35	37	31	18	0	5
21	10	0	18	28	19	36	36	40	30	20	0	3
22	12	0	7	28	22	33	34	40	29	18	7	11
23	5	0	0	24	26	33	34	40	28	20	9	0
24	0	0	0	9	31	35	35	39	31	13	11	0
25	0	0	7	14	32	36	37	36	30	2	7	0
26	0	2	11	17	29	36	37	36	29	4	6	0
27	1	0	15	16	27	27	38	29	27	9	14	6
28	7	0	19	24	23	27	38	29	28	6	12	6
29	14	0	22	21	21	30	36	25	30	2	4	0
30	13		23	19	25	34	35	25	30	9	3	2
31	17		21		26		37	22		19		0
Total	107	32	304	580	772	994	1049	1069	884	611	249	72

Table 45. Growing Degree Days for 1968 - Base 50°

Date	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0	10	0	16	15	27	30	30	22	24	15	0
2	0	0	0	9	18	26	31	31	24	24	16	2
3	4	0	0	14	19	28	29	29	28	22	13	0
4	0	0	0	21	16	29	25	31	29	8	12	0
5	0	0	0	5	16	25	26	27	30	8	9	0
6	0	0	2	6	9	23	26	30	27	15	9	0
7	0	0	0	12	16	24	27	32	25	25	7	0
8	0	0	4	18	18	27	26	33	29	23	0	0
9	0	0	9	20	18	29	23	32	27	17	0	0
10	0	0	15	7	20	31	26	30	25	21	0	0
11	0	0	10	8	24	32	25	30	19	23	0	0
12	0	0	4	10	25	33	27	29	21	22	0	0
13	0	0	0	14	26	29	27	28	22	24	0	3
14	0	0	0	15	27	25	28	27	25	23	0	0
15	0	0	4	15	23	30	31	30	25	21	1	0
16	0	0	6	11	26	30	30	30	23	21	10	0
17	0	0	6	16	26	31	28	32	20	24	16	0
18	0	0	10	19	20	30	28	34	22	20	7	0
19	1	0	10	24	18	28	29	31	23	11	0	3
20	4	0	16	20	11	30	30	32	26	13	0	0
21	5	0	13	23	14	31	31	35	25	15	0	0
22	7	0	2	23	17	28	29	35	24	13	2	6
23	0	0	0	19	21	28	29	35	23	15	4	0
24	0	0	0	4	26	30	30	34	26	8	6	0
25	0	0	2	9	27	31	32	31	25	0	2	0
26	0	0	6	12	24	31	32	31	24	0	1	0
27	0	0	10	11	22	22	33	24	22	4	9	1
28	2	0	14	19	18	22	33	24	23	1	7	1
29	9	0	17	16	16	25	31	20	25	0	0	0
30	8		18	14	20	29	30	20	25	4	0	0
31	12		16		21		32	17		14		0
Total	52	10	194	430	617	844	894	914	734	463	146	16

Table 46. Precipitation Accumulation and Departure from Average*

Date	Avg.	Avg. Acc.	1968	Acc. for 1968	Departure for Month	Departure for 1968
Jan.	4.80	4.80	1.86	1.86	- 2.94	- 2.94
Feb.	5.25	10.05	1.77	3.63	- 3.48	- 6.42
March	6.13	16.18	5.04	8.67	- 1.09	- 7.51
April	4.37	20.55	3.85	12.52	- .52	- 8.03
May	3.55	24.10	3.11	15.63	- .44	- 8.47
June	4.06	28.16	2.74	18.37	- 1.32	- 9.79
July	5.34	33.50	5.18	23.55	- .16	- 9.95
Aug.	4.71	38.21	6.55	30.10	+ 1.84	- 8.11
Sept.	3.20	41.41	1.73	31.83	- 1.47	- 9.58
Oct.	2.58	43.99	.37	32.20	- 2.21	-11.79
Nov.	3.48	47.47	4.76	36.96	+ 1.28	-10.51
Dec.	5.13	52.60	6.49	43.45	+ 1.36	- 9.15

* Precipitation averages are based on data from 1855 through 1952.

