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LOCAL CLIMATOLOGICAL DATA

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ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
WEATHER BUREAU

in cooperation with

AGRICULTURAL EXPERIMENT STATION
AUBURN UNIVERSITY

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AUBURN, ALABAMA

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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 75°. These data are obtained by subtracting 75 from the mean daily temperatures, if the latter is above 75°. A day with a mean temperature of 76° is one degree day. If the daily mean temperature continues above 75° 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 65°. A mean daily temperature of 64° is one degree day. If the daily mean temperature continues below 65° 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 obtained by computing the daily mean temperature by averaging the maximum and minimum temperature and then subtracting the "base" temperatures of 40°, 45°, and 50°F.

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Table 1. Daily temperatures, precipitation, solar radiation, evaporation, and miles of wind per day for January, 1967

Date	Air Temperature			Precip.	Solar radiation	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean				
1	54	46	50	.80	70	.02	36.0
2	51	45	48	.27	62	.01	18.7
3	59	46	53	-	248	.01	20.1
4	45	31	38	-	267	.09	46.7
5	55	29	42	-	341	.03	64.6
6	58	30	44	-	356	.18	54.7
7	65	43	54	.38	114	.21	99.0
8	53	43	48	.29	94	.06	78.3
9	44	38	41	.54	87	.08	74.8
10	44	35	40	.25	117	-	48.2
11	47	28	38	-	345	.07	60.1
12	54	28	41	-	295	.10	46.4
13	54	30	42	.25	175	.04	7.7
14	50	45	48	.19	69	.10	33.2
15	55	30	43	-	278	.01	24.2
16	51	26	39	-	428	.08	69.3
17	58	26	42	-	326	.06	12.6
18	51	36	44	-	153	.11	42.9
19	56	37	47	-	202	.05	58.8
20	59	36	48	-	356	.08	61.2
21	65	35	50	-	345	.12	57.7
22	72	47	60	-	351	.04	31.2
23	75	48	62	-	342	.06	20.3
24	72	48	60	-	347	.09	16.6
25	72	50	61	-	283	.11	19.7
26	71	52	62	.30	152	.07	32.8
27	55	31	43	.20	202	-	116.5
28	51	26	39	-	404	.14	103.6
29	58	27	43	-	383	.11	52.5
30	63	32	48	-	281	.05	27.1
31	70	47	59	-	313	.08	21.7
Total	1787	1151	1477	3.47	7786	* 2.28	1457.2
Avg.	57.6	37.1	47.6				47.0

* Evap. adjusted for full month

- No precipitation or missing data

Table 2. Daily temperatures, precipitation, solar radiation, evaporation, and miles of wind per day for February, 1967

Date	Air Temperature			Precip.	Solar radiation	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean				
1	72	44	58	-	379	.11	14.0
2	68	47	58	.53	120	.10	33.2
3	49	37	43	-	94	.01	67.5
4	52	33	43	-	275	.18	42.3
5	65	31	48	-	427	.06	30.7
6	52	38	45	2.21	52	.13	29.7
7	38	25	32	-	186	-	106.0
8	51	21	36	-	399	-	76.2
9	37	34	36	.18	66	-	118.1
10	52	35	44	-	366	.02	32.9
11	53	42	48	.28	90	.10	54.6
12	50	36	43	-	157	.07	115.9
13	60	31	46	-	452	.07	122.1
14	65	31	48	-	408	.12	22.4
15	69	41	55	-	242	.17	61.5
16	72	55	64	-	250	.10	102.6
17	76	49	63	.23	242	.09	69.4
18	58	40	49	.10	292	.08	76.6
19	59	39	49	.13	292	.10	58.3
20	64	47	56	.47	189	.03	69.7
21	51	32	42	-	451	.18	104.6
22	49	32	41	-	224	.17	68.3
23	50	29	40	-	485	.07	65.3
24	43	24	34	-	467	.16	69.3
25	34	16	25	-	494	-	147.1
26	50	17	34	-	492	-	90.3
27	55	35	45	.31	247	.03	17.6
28	58	38	48	.26	484	.13	91.9
Total	1552	979	1273	4.70	8322	*2.41	1958.1
Avg.	55.4	35.0	45.5				69.9

* Evap. adjusted for full month

- No precipitation or missing data

Table 3. Daily temperatures, precipitation, solar radiation, evaporation, and miles of wind per day for March, 1967

Date	Air Temperature			Precip.	Solar radiation	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean				
1	61	34	48	-	494	.09	80.4
2	67	37	52	-	484	.15	91.7
3	71	38	55	-	498	.16	31.8
4	77	45	61	-	481	.13	22.8
5	76	60	68	-	325	.14	44.1
6	77	63	70	.65	381	.14	110.7
7	51	34	43	-	440	-	178.6
8	64	34	49	-	489	.12	58.0
9	72	44	58	-	414	.12	21.4
10	78	53	66	-	356	.19	26.8
11	83	60	72	-	464	.09	62.8
12	85	63	74	-	570	.23	84.7
13	79	60	70	-	479	.19	66.2
14	81	58	70	-	488	.17	61.3
15	75	42	59	-	222	.22	50.7
16	65	38	52	-	583	.15	129.9
17	65	34	50	-	469	.19	32.3
18	54	28	41	-	583	.25	138.8
19	60	34	47	-	556	.21	59.8
20	70	43	57	-	354	.12	49.6
21	73	45	59	.25	424	.13	78.9
22	68	41	55	-	580	.23	100.5
23	75	38	57	-	586	.24	64.1
24	81	52	67	-	554	.23	34.6
25	80	47	64	-	552	.29	21.7
26	81	54	68	-	487	.30	69.3
27	68	55	62	1.17	303	.33	70.6
28	75	57	66	-	354	.03	55.3
29	78	57	68	-	509	.14	30.9
30	75	57	66	-	554	.21	43.5
31	77	55	66	-	556	.29	86.3
Total	2242	1460	1860	2.07	14589	*5.54	2058.1
Avg.	72.3	47.1	60.0				66.4

* Evap. adjusted for full month

- No precipitation or missing data

Table 4. Daily temperatures, precipitation, solar radiation, evaporation, and miles of wind per day for April, 1967

Date	Air Temperature			Precip.	Solar radiation	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean				
1	78	54	66	-	606	.26	73.6
2	81	51	66	-	567	.23	32.3
3	84	52	68	-	600	.17	25.3
4	84	59	72	-	482	.26	57.6
5	85	56	71	-	543	.14	21.9
6	83	54	69	-	610	.25	65.9
7	87	58	73	-	567	.30	81.6
8	84	55	70	-	626	.39	92.0
9	79	56	68	-	433	.27	67.2
10	82	59	71	-	363	.13	35.2
11	81	61	71	-	367	.16	46.9
12	79	58	69	-	340	.17	39.3
13	81	63	72	-	333	.14	98.4
14	82	62	72	.03	441	.18	89.1
15	83	61	72	-	530	.24	62.2
16	84	59	72	-	544	.19	28.8
17	84	66	75	-	544	.16	49.0
18	84	65	75	-	584	.26	67.7
19	82	52	67	-	648	.30	80.1
20	81	56	69	-	638	-	80.7
21	83	55	69	-	582	.32	55.2
22	79	65	72	.22	359	.29	107.2
23	85	65	75	.22	509	.17	50.7
24	79	68	74	.25	678	.26	95.2
25	66	49	58	-	246	.36	92.6
26	81	55	68	.12	357	.10	62.6
27	67	53	60	-	678	.21	116.6
28	71	44	58	-	704	.32	112.1
29	74	46	60	-	649	.30	46.2
30	78	53	66	-	464	.22	28.1
Total	2411	1710	2068	.84	15592	* 7.04	1961.3
Avg.	80.4	57.0	68.9				65.4

* Evap. adjusted for full month

- No precipitation or missing data

Table 5. Daily temperatures, precipitation, solar radiation, evaporation, and miles of wind per day for May, 1967

Date	Air Temperature			Precip.	Solar radiation	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean				
1	80	62	71	-	494	.17	41.6
2	78	52	65	.69	451	.16	54.0
3	73	50	62	-	537	.29	80.1
4	61	56	59	1.60	92	.18	41.8
5	66	55	61	.08	286	.09	88.0
6	78	60	69	-	348	.10	56.7
7	73	54	64	.09	655	.14	105.0
8	80	49	65	-	614	.30	66.0
9	76	53	65	-	675	.34	92.3
10	79	49	64	-	620	.32	58.8
11	88	56	72	-	536	.27	25.0
12	90	69	80	-	595	.26	109.6
13	89	69	79	-	582	.30	69.3
14	90	63	77	-	705	.27	31.0
15	82	70	76	.15	374	.32	86.6
16	74	50	62	-	656	.18	86.3
17	78	52	65	-	659	.26	39.7
18	83	57	70	-	598	.28	24.9
19	86	56	71	-	675	.25	30.5
20	86	61	74	-	605	.34	45.5
21	83	63	73	.31	497	.28	49.4
22	61	58	60	1.89	180	.26	75.2
23	59	53	56	-	193	.27	140.7
24	78	51	65	-	763	.06	97.6
25	85	57	71	-	732	.24	43.9
26	90	61	76	-	745	.26	26.5
27	91	67	79	-	755	.37	40.9
28	92	67	80	-	655	.35	42.0
29	90	66	78	-	661	.25	24.7
30	86	64	75	.06	600	.30	29.1
31	88	66	77	-	661	.24	39.7
Total	2493	1816	2161	4.87	17199	7.70	1842.4
Avg.	80.4	58.6	69.7				59.4

- No precipitation or missing data

Table 6. Daily temperatures, precipitation, solar radiation, evaporation, and miles of wind per day for June, 1967

Date	Air Temperature			Precip.	Solar radiation	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean				
1	82	66	74	.71	435	.36	41.5
2	62	56	59	.06	166	.30	57.6
3	71	59	65	-	216	.09	49.7
4	75	65	70	.85	391	.07	41.7
5	77	67	72	-	320	.14	69.0
6	82	63	73	-	702	.13	66.0
7	83	63	73	-	745	.29	67.8
8	83	64	74	-	741	.31	50.2
9	85	64	75	-	802	.32	40.0
10	86	64	75	-	694	.35	36.1
11	86	64	75	-	777	.32	33.2
12	88	66	77	-	665	.27	35.0
13	86	68	77	-	509	.15	33.3
14	87	66	77	.20	608	.23	36.5
15	83	65	74	.04	665	.25	48.6
16	86	66	76	-	704	.21	53.8
17	90	67	79	-	552	.30	36.3
18	93	66	80	-	562	.24	16.3
19	95	69	82	-	549	.29	38.3
20	94	71	83	-	561	.31	34.8
21	92	68	80	.06	596	.24	34.3
22	89	69	79	-	448	.23	30.7
23	89	68	79	-	508	.17	30.4
24	87	68	78	.40	325	.23	38.7
25	91	68	80	1.34	604	-	17.6
26	89	69	79	.13	643	-	30.9
27	89	68	79	.04	523	.20	26.1
28	82	78	80	.70	361	.17	41.5
29	89	66	78	.16	560	.20	26.4
30	88	66	77	.09	446	.23	32.8
Total	2559	1987	2279	4.78	16378	*6.90	1195.1
Avg.	85.3	66.2	76.0				39.8

* Evap. adjusted for full month

- No precipitation or missing data

Table 7. Daily temperatures, precipitation, solar radiation, evaporation, and miles of wind per day for July, 1967

Date	Air Temperature			Precip.	Solar radiation	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean				
1	86	70	78	.19	275	.22	21.4
2	87	68	78	.50	429	.11	16.9
3	86	69	78	-	713	.23	32.8
4	85	63	74	-	731	.30	37.5
5	86	65	76	-	735	.24	25.5
6	80	68	74	.39	303	.28	28.6
7	81	68	75	.29	311	.11	24.0
8	85	67	76	.04	680	.23	13.9
9	81	65	73	.06	364	.18	26.2
10	86	66	76	-	544	.12	26.0
11	87	69	78	-	698	.16	27.2
12	88	69	79	-	688	.26	44.9
13	84	68	76	.77	456	.24	48.1
14	77	59	68	.02	729	.25	48.4
15	78	54	66	-	813	.30	43.5
16	83	60	72	-	735	.31	40.4
17	82	64	73	-	460	.19	13.5
18	85	62	74	-	702	.14	13.4
19	85	62	74	-	526	.21	11.0
20	82	66	74	-	433	.17	23.2
21	84	64	74	.03	481	.14	30.6
22	88	68	78	.37	701	.20	27.4
23	87	68	78	-	579	.31	34.4
24	87	67	77	.26	550	.16	19.7
25	89	69	79	-	672	.21	22.0
26	90	70	80	.51	633	.25	29.6
27	89	68	79	-	662	.27	26.2
28	87	68	78	-	558	.22	34.4
29	85	66	76	.77	365	.27	38.0
30	87	67	77	-	639	.22	33.3
31	90	68	79	-	724	.14	15.4
Total	2637	2045	2347	4.20	17889	6.64	877.4
Avg.	85.1	66.0	75.7				

- No precipitation or missing data

Table 8. Daily temperatures, precipitation, solar radiation, evaporation, and miles of wind per day for August, 1967

Date	Air Temperature			Precip.	Solar radiation	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean				
1	90	68	79	-	595	.25	12.6
2	90	67	79	-	742	.18	17.2
3	88	67	78	-	703	.29	18.2
4	88	68	78	-	580	.22	28.2
5	91	70	81	-	712	.20	36.7
6	89	65	77	-	819	.31	46.5
7	91	63	77	-	804	.24	22.1
8	90	67	79	-	723	.29	20.7
9	85	73	79	-	254	.32	37.0
10	86	73	80	.85	285	-	19.7
11	83	64	74	-	730	.31	33.5
12	79	65	72	-	485	.28	69.2
13	83	60	72	-	729	.15	57.1
14	86	60	73	-	717	.19	29.2
15	85	63	74	-	657	.23	9.6
16	84	66	75	-	632	.25	24.9
17	86	67	77	-	510	.24	44.9
18	91	67	79	-	657	.18	36.5
19	92	67	80	.05	586	.26	23.1
20	84	66	75	.25	279	.18	27.0
21	78	68	73	1.05	217	.07	12.1
22	85	69	77	1.38	485	.09	25.4
23	81	70	76	.22	279	-	45.0
24	83	68	76	1.66	301	.05	35.6
25	84	67	76	.04	549	-	33.1
26	87	69	78	.09	614	.20	36.3
27	84	69	77	.24	525	.21	34.2
28	79	69	74	-	334	.16	22.6
29	84	65	75	-	601	.07	7.4
30	87	63	75	-	602	.18	12.3
31	87	64	76	-	579	.22	9.5
Total	2660	2067	2371	5.83	17285	*5.92	887.4
Avg.	85.8	66.7	76.5				

* Evap. adjusted for full month

- No precipitation or missing data

Table 9. Daily temperatures, precipitation, solar radiation, evaporation, and miles of wind per day for September, 1967

Date	Air Temperature			Precip.	Solar radiation	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean				
1	80	65	73	-	416	.27	49.6
2	66	56	61	1.08	80	.24	72.3
3	62	56	59	3.36	87	-	55.2
4	77	62	70	-	466	-	77.1
5	75	59	67	-	403	.16	58.1
6	76	63	70	-	233	.14	47.6
7	69	64	67	1.15	85	.05	19.5
8	80	68	74	-	295	.03	38.3
9	86	68	77	-	535	.09	29.4
10	84	67	76	-	477	.20	27.9
11	81	67	74	-	451	.17	25.2
12	74	63	69	-	390	.19	75.3
13	77	57	67	-	670	.15	56.5
14	79	57	68	-	664	.22	51.2
15	78	56	67	-	726	.21	41.2
16	83	55	69	-	714	.28	39.1
17	87	60	74	-	726	.19	25.7
18	86	63	75	-	685	.13	12.0
19	87	62	75	-	603	.20	19.5
20	88	63	76	-	678	.17	9.9
21	85	66	76	-	508	.17	11.9
22	83	58	71	-	794	.15	21.9
23	78	54	66	-	514	.34	73.6
24	80	51	66	-	502	.16	23.0
25	83	58	71	-	550	.16	22.5
26	83	61	72	.05	491	.18	28.4
27	82	65	74	.99	381	.20	32.5
28	65	40	53	.02	102	.29	33.7
29	63	39	51	-	579	.10	42.7
30	70	38	54	-	566	.19	33.9
Total	2347	1761	2062	6.65	14371	*5.15	1154.7
Avg.	78.2	58.7	68.7				38.5

* Evap. adjusted for full month

- No precipitation or missing data

Table 10. Daily temperatures, precipitation, solar radiation, evaporation, and miles of wind per day for October, 1967

Date	Air Temperature			Precip.	Solar radiation	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean				
1	78	45	62	-	554	.16	15.6
2	82	49	66	-	552	.10	15.8
3	81	53	67	-	473	.18	19.9
4	84	56	70	-	521	.16	17.8
5	85	56	71	-	500	.17	17.0
6	84	56	70	-	494	.17	13.7
7	86	59	73	-	570	.19	15.3
8	75	59	67	-	235	.15	35.3
9	73	64	69	.21	208	.03	36.2
10	73	44	59	-	519	.09	30.0
11	69	43	56	-	517	.18	38.9
12	75	45	60	-	377	.15	37.0
13	79	50	65	-	500	.12	21.0
14	82	50	66	-	476	.21	21.0
15	80	55	68	-	462	.12	16.2
16	81	61	71	-	341	.12	38.2
17	70	50	60	.09	236	.13	54.2
18	68	42	55	-	409	.18	73.1
19	66	34	50	-	483	.16	53.3
20	71	41	56	-	516	.17	36.4
21	78	43	61	-	454	.15	15.3
22	78	50	64	-	497	.16	44.4
23	77	56	67	-	439	.14	31.9
24	80	59	70	-	343	.17	60.0
25	66	40	53	1.06	508	.19	57.3
26	70	37	54	-	478	.21	98.1
27	68	39	54	-	226	.14	8.4
28	66	42	54	-	477	.13	60.3
29	70	41	56	-	471	.15	29.7
30	65	53	59	.18	148	.15	70.3
31	69	56	63	1.38	51	.01	100.3
Total	2329	1528	1936	2.92	13035	4.54	1181.9
Avg.	75.1	49.3	62.5				38.1

- No precipitation or missing data

Table 11. Daily temperatures, precipitation, solar radiation, evaporation, and miles of wind per day for November, 1967

Date	Air Temperature			Precip.	Solar		Wind m/d 2.5 ft.
	Max.	Min.	Mean		radiation	Evaporation	
1	56	49	53	2.17	58	-	62.7
2	64	47	56	-	437	.04	36.8
3	64	38	51	-	419	.14	29.8
4	54	38	46	-	443	.19	69.9
5	54	31	43	-	449	.19	83.4
6	50	30	40	-	433	.14	46.6
7	57	29	43	-	375	.12	50.5
8	62	34	48	-	401	.10	48.5
9	67	29	48	-	368	.11	17.4
10	69	34	52	-	363	.09	10.4
11	71	45	58	-	376	.18	11.4
12	76	45	61	-	362	.11	23.6
13	77	52	65	-	383	.13	29.2
14	73	48	61	-	340	.12	54.0
15	60	32	46	-	337	.17	57.3
16	61	31	46	-	380	.11	60.4
17	65	36	51	-	271	.08	41.6
18	69	40	55	-	361	.05	34.6
19	63	32	43	-	396	.12	59.0
20	63	35	49	-	240	.09	44.4
21	49	39	44	.86	39	.07	15.2
22	68	46	57	.59	90	.04	50.6
23	64	49	57	.20	312	.10	80.6
24	78	54	66	.80	167	.11	41.8
25	70	47	59	-	348	-	111.1
26	73	48	61	-	134	.06	20.3
27	65	55	60	.05	127	.02	34.0
28	47	35	41	-	109	.15	98.4
29	45	36	41	.14	82	.07	73.1
30	68	41	55	-	228	.03	67.7
Total	1902	1205	1556	4.81	8828	*2.96	1464.3
Avg.	63.4	40.2	51.9				48.8

* Evap. adjusted for full month

- No precipitation or missing data

Table 12. Daily temperatures, precipitation, solar radiation, evaporation, and miles of wind per day for December, 1967

Date	Air Temperature			Precip.	Solar radiation	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean				
1	62	38	50	-	351	.08	85.5
2	59	44	52	.73	59	.14	74.2
3	49	33	41	-	91	.12	138.5
4	63	31	47	-	359	-	89.8
5	65	34	50	-	339	.06	23.6
6	68	43	56	-	259	.07	16.5
7	68	50	59	-	144	.06	16.9
8	65	52	59	.57	120	.07	17.0
9	66	58	62	-	122	.11	44.8
10	70	60	65	.49	97	.03	76.2
11	67	61	64	1.35	167	-	81.7
12	59	38	49	-	289	.17	124.2
13	69	38	54	-	293	.06	37.5
14	70	49	60	1.03	160	.08	42.1
15	64	48	56	.12	93	-	41.1
16	61	40	51	-	303	-	70.4
17	68	44	56	-	224	.10	39.1
18	75	57	66	1.24	79	-	82.3
19	77	58	68	-	203	-	86.6
20	69	56	63	-	154	.10	40.7
21	70	56	63	-	108	.05	29.5
22	64	29	47	.49	47	.06	91.5
23	40	24	32	-	350	-	132.0
24	52	24	38	-	337	-	88.6
25	49	31	40	-	182	.03	25.5
26	52	32	42	-	337	.06	26.2
27	51	32	42	.55	234	.05	62.1
28	49	34	42	.25	74	.13	83.5
29	40	28	34	-	178	.05	109.0
30	52	27	40	-	307	.04	60.0
31	51	39	45	.47	37	.04	25.8
Total	1884	1288	1593	7.29	6097	*1.94	1962.4
Avg.	60.8	41.5	51.4				63.3

* Evap. adjusted for full month

- No precipitation or missing data

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

Date	Temperature			Precipitation Average (Inches)	Evaporation Average (Inches)
	Av. Daily Max.	Av. Daily Min.	Average (°F)		
January	59.0	38.9	49.0	4.80	2.26
February	61.6	40.5	51.1	5.25	2.56
March	67.8	45.7	56.8	6.13	4.89
April	75.4	52.8	64.1	4.37	6.50
May	83.3	60.4	71.9	3.55	7.70
June	89.5	67.7	78.6	4.06	7.02
July	90.0	69.9	80.0	5.34	7.05
August	89.7	69.4	79.6	4.71	6.26
September	86.7	65.4	76.1	3.20	5.48
October	77.9	54.7	66.3	2.58	4.44
November	66.7	44.3	55.5	3.48	3.52
December	58.9	39.3	49.1	5.13	2.19
Year	75.5	54.1	64.8	52.60	59.87

Evaporation based on data from 1947 through 1950 and 1964-67.

Table 14. Six Hourly Temperature and Relative Humidity, January 1967

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	46	100	49	100	53	100	53	100	50.3	100.0
2	48	100	45	100	47	100	49	100	47.3	100.0
3	49	100	48	100	56	72	51	92	51.0	91.0
4	46	100	38	87	43	43	37	53	41.0	70.8
5	31	69	30	85	51	32	42	49	38.5	58.8
6	31	98	34	58	56	28	52	42	43.3	56.5
7	48	46	64	63	58	100	53	100	55.8	77.3
8	45	100	43	100	49	100	45	65	45.5	91.3
9	39	69	39	66	43	64	41	100	40.5	74.8
10	38	98	36	100	41	65	41	66	39.0	82.3
11	35	51	29	69	43	38	39	40	36.5	49.5
12	31	58	29	58	50	32	38	62	37.0	52.5
13	31	89	31	92	52	38	47	63	40.3	70.5
14	45	100	46	100	49	100	49	100	47.3	100.0
15	50	100	47	100	53	61	41	53	47.8	78.5
16	30	70	26	92	48	29	40	48	36.0	59.8
17	32	58	26	100	54	27	46	37	39.5	55.5
18	40	58	36	73	50	51	46	57	43.0	59.8
19	43	77	44	75	52	58	43	99	45.5	77.3
20	38	100	36	100	54	51	45	87	43.3	84.5
21	38	100	38	100	61	63	52	97	47.3	90.0
22	48	100	50	100	70	56	58	93	56.5	87.3
23	52	93	50	100	70	57	61	84	58.3	83.5
24	54	100	50	100	71	43	58	70	58.3	78.3
25	54	91	51	100	68	72	59	94	58.0	89.3
26	54	100	56	100	66	85	66	88	60.5	93.3
27	55	99	40	77	38	58	38	57	42.8	72.8
28	31	77	30	88	48	26	40	36	37.3	56.8
29	34	60	30	98	54	32	48	44	41.5	58.5
30	36	86	33	100	60	48	56	76	46.3	77.5
31	52	84	48	100	66	46	60	64	56.5	73.5
Avg.	42.1	84.9	40.4	89.7	54.0	57.3	48.2	71.5		

Table 15. Six Hourly Temperature and Relative Humidity, February 1967

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	57	67	45	100	69	47	59	65	57.5	69.8
2	52	89	51	96	66	95	62	100	57.8	95.0
3	48	91	43	93	45	81	44	82	45.0	86.8
4	38	100	39	100	48	62	41	76	41.5	84.5
5	34	92	36	100	60	32	53	43	45.8	66.8
6	48	66	49	100	51	100	52	100	50.0	91.5
7	38	100	30	87	31	72	32	65	32.8	81.0
8	25	86	21	97	46	42	42	46	33.5	67.8
9	37	80	36	86	34	100	37	99	36.0	91.3
10	35	97	35	100	48	57	42	82	40.0	84.0
11	42	99	48	100	48	100	47	99	46.3	99.5
12	45	99	41	51	49	38	46	36	45.3	56.0
13	37	42	31	65	56	32	50	37	43.5	44.0
14	42	60	32	93	60	30	54	34	47.0	54.3
15	44	95	45	100	62	66	64	59	53.8	80.0
16	59	93	56	100	69	58	63	85	61.8	84.0
17	60	97	61	100	73	49	56	99	62.5	86.3
18	51	100	49	100	58	62	46	92	51.0	88.5
19	41	96	42	83	57	60	49	95	51.0	83.5
20	48	100	50	100	61	100	62	99	55.3	99.8
21	48	84	32	67	46	33	39	58	41.3	60.5
22	34	50	34	60	46	41	40	65	38.5	54.0
23	38	66	30	63	45	26	41	34	38.5	47.3
24	35	50	28	45	41	26	34	28	34.5	37.3
25	24	44	16	46	30	28	25	30	23.8	37.0
26	20	44	20	53	46	17	40	21	31.5	33.8
27	36	48	36	43	50	35	48	80	42.5	51.5
28	50	100	46	98	54	45	49	43	49.8	71.5
Avg.	41.6	79.8	38.6	83.1	51.8	54.8	47.0	66.1		

Table 16. Six Hourly Temperature and Relative Humidity, March 1967

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	38	72	34	79	54	32	49	41	43.8	56.0
2	37	94	38	83	61	41	57	52	48.3	67.5
3	45	81	40	100	68	48	58	72	52.8	75.3
4	54	80	49	100	73	47	67	76	60.8	75.8
5	60	100	61	100	73	57	70	62	66.0	79.8
6	62	98	63	100	75	58	71	86	67.8	85.5
7	41	92	36	78	46	53	44	56	41.8	69.8
8	36	80	34	70	58	22	52	34	45.0	51.5
9	46	72	46	58	69	24	62	38	55.8	48.0
10	54	58	57	71	72	73	68	84	62.8	71.5
11	62	100	64	100	79	54	70	70	68.8	81.0
12	64	96	65	97	82	38	73	48	71.0	69.8
13	62	86	60	100	74	61	69	63	66.3	77.5
14	60	95	60	100	76	47	70	52	66.5	73.5
15	62	78	63	98	71	76	63	70	64.8	80.5
16	42	66	39	66	60	20	51	36	48.0	47.0
17	42	54	42	70	63	24	48	30	48.8	44.5
18	34	31	30	42	50	22	43	28	39.3	30.8
19	37	30	39	45	56	24	47	44	44.8	35.8
20	44	81	46	100	59	72	65	55	53.5	77.0
21	60	100	59	100	68	62	64	47	62.8	77.3
22	45	79	41	73	64	24	59	24	52.3	50.0
23	48	42	41	86	72	21	64	29	56.3	44.5
24	52	50	52	63	79	24	64	42	61.8	44.8
25	57	54	54	73	77	25	66	35	63.5	46.8
26	56	66	59	61	77	32	70	38	65.5	49.3
27	60	66	57	100	66	70	62	88	61.3	81.0
28	60	100	57	100	71	57	64	77	63.0	83.5
29	60	100	57	100	75	50	70	46	65.5	74.0
30	60	92	57	97	74	48	67	54	64.5	72.8
31	60	70	56	84	72	48	70	48	64.5	62.5
Avg.	51.6	76.2	50.2	83.7	68.2	43.7	61.8	52.4		

Table 17. Six Hourly Temperature and Relative Humidity, April 1967

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	58	75	57	92	74	43	68	56	64.3	66.5
2	56	90	60	94	77	37	71	35	66.0	64.0
3	54	88	54	100	80	34	75	48	65.8	67.5
4	60	96	60	77	80	37	72	50	68.0	65.0
5	60	93	59	99	83	34	75	42	69.3	67.0
6	62	54	58	91	78	35	74	42	68.0	55.5
7	61	68	62	100	84	44	76	48	70.8	65.0
8	63	40	60	37	61	68	70	37	63.5	45.5
9	61	69	61	84	76	48	66	81	66.0	70.5
10	62	100	61	100	72	71	76	48	67.8	79.8
11	65	94	64	100	80	56	73	66	70.5	79.0
12	62	58	58	54	74	60	66	91	65.0	65.8
13	63	98	65	97	76	67	74	56	69.5	79.5
14	64	100	64	95	78	50	64	100	67.5	86.3
15	63	96	66	92	79	49	74	54	70.5	72.8
16	63	94	70	83	79	66	74	78	71.5	80.3
17	67	100	68	100	82	52	78	58	73.8	77.5
18	69	91	66	100	80	24	73	25	72.0	60.0
19	59	44	53	72	76	28	72	30	65.0	43.5
20	57	42	58	58	77	38	69	49	65.3	46.8
21	55	76	61	86	80	40	74	55	67.5	64.3
22	68	95	69	96	72	97	71	96	70.0	96.0
23	66	100	70	100	82	51	70	90	72.0	85.3
24	72	98	68	87	77	34	71	47	72.0	66.5
25	55	74	53	72	63	54	61	72	58.0	68.0
26	59	72	56	100	80	52	74	84	67.3	77.0
27	63	100	54	77	65	41	59	42	60.3	65.0
28	49	59	50	54	68	26	64	37	57.8	44.0
29	50	74	56	51	72	29	64	48	60.5	50.5
30	58	66	64	78	74	55	69	58	66.3	64.3
Avg.	60.8	80.1	60.8	84.2	76.0	47.3	70.6	57.4		

Table 18. Six Hourly Temperature and Relative Humidity, May 1967

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	64	97	66	99	76	54	77	48	70.8	74.5
2	67	78	64	99	74	76	66	52	67.8	76.3
3	53	100	50	84	70	40	68	44	60.3	67.0
4	60	70	56	96	58	100	58	100	58.0	91.5
5	57	100	56	100	63	90	63	96	59.8	96.5
6	60	100	61	100	74	92	75	74	67.5	91.5
7	69	99	68	96	73	51	66	57	69.0	75.8
8	55	100	55	100	78	46	77	44	66.3	72.5
9	62	63	56	78	73	28	71	34	65.5	50.8
10	55	72	56	66	76	32	73	50	65.0	55.0
11	60	80	62	100	84	54	82	56	72.0	72.5
12	72	96	71	97	87	50	80	67	77.5	77.5
13	72	97	92	100	86	46	80	70	82.5	78.3
14	70	94	70	96	88	35	82	44	77.5	67.3
15	72	98	74	97	81	93	60	85	71.8	93.3
16	52	100	53	94	70	35	70	33	61.3	65.5
17	57	64	57	86	76	34	72	40	65.5	56.0
18	56	97	62	88	80	34	77	42	68.8	65.3
19	60	98	66	82	84	36	80	42	72.5	64.5
20	66	84	68	86	84	40	76	43	73.5	63.3
21	67	70	68	86	82	40	65	100	70.5	74.0
22	63	100	58	100	60	100	57	90	59.5	97.5
23	54	100	54	96	56	84	57	82	55.3	90.5
24	54	99	55	96	73	48	73	55	63.8	74.5
25	63	86	64	92	82	39	78	54	71.8	67.8
26	64	94	70	86	88	36	81	60	75.8	69.0
27	68	90	74	74	89	40	82	56	78.3	65.0
28	69	96	78	72	91	35	80	72	79.5	68.8
29	73	88	79	75	88	45	86	48	81.5	64.0
30	69	97	67	94	84	51	80	60	75.0	75.5
31	66	100	70	97	85	48	82	60	75.8	76.3
Avg.	62.9	90.5	64.5	90.7	77.8	52.6	73.4	59.9		

Table 19. Six Hourly Temperature and Relative Humidity, June 1967

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	68	96	73	92	76	88	69	100	71.5	94.0
2	60	100	56	100	62	92	59	100	59.3	98.0
3	59	100	62	100	69	84	68	98	64.5	95.5
4	65	100	66	100	74	74	69	100	68.5	93.5
5	67	100	68	96	74	76	74	78	70.8	87.5
6	65	100	66	94	79	50	77	54	71.8	74.5
7	67	89	68	92	82	50	78	48	73.8	69.8
8	68	68	69	90	80	44	78	50	73.8	63.0
9	68	70	70	88	83	42	79	52	75.0	63.0
10	69	71	72	87	82	41	79	50	75.5	62.3
11	68	70	72	84	84	40	78	54	75.5	62.0
12	68	82	72	92	85	50	81	62	76.5	71.5
13	73	84	72	97	81	62	80	66	76.5	77.3
14	72	90	73	90	83	72	77	87	76.3	84.8
15	69	94	71	92	80	58	78	66	74.5	77.5
16	68	100	72	96	84	49	78	64	75.5	77.3
17	71	84	74	87	86	43	82	59	78.3	68.3
18	67	100	78	70	91	40	82	52	79.5	65.5
19	72	91	77	80	94	38	81	66	81.0	68.8
20	76	75	86	60	91	60	77	86	82.5	70.3
21	68	100	80	76	90	48	76	94	78.5	79.5
22	71	100	82	87	74	95	72	88	74.8	92.5
23	68	100	84	69	88	54	70	100	77.5	80.8
24	68	100	85	87	83	78	71	100	76.8	91.3
25	68	100	86	75	87	58	72	100	78.3	83.3
26	70	100	84	74	85	65	83	76	80.5	78.8
27	70	100	68	100	82	70	78	79	74.5	87.3
28	69	100	68	100	76	85	76	87	72.3	93.0
29	65	100	70	100	84	76	75	97	73.5	93.3
30	66	100	70	100	86	66	70	100	73.0	91.5
Avg.	68.1	92.1	73.1	88.5	81.8	61.6	75.6	77.1		

Table 20. Six Hourly Temperature and Relative Humidity, July 1967

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	70	100	74	100	83	81	73	100	75.0	95.3
2	69	100	73	98	85	66	68	100	73.8	91.0
3	68	100	74	100	82	63	79	62	75.8	81.3
4	64	100	67	72	80	48	78	81	72.3	75.3
5	65	100	72	84	83	52	78	78	74.5	78.5
6	70	100	74	92	68	100	69	100	70.3	98.0
7	68	100	70	100	70	100	73	100	70.3	100.0
8	69	100	72	100	84	60	74	90	74.8	87.5
9	66	100	74	98	76	100	68	100	71.0	99.5
10	66	100	73	100	81	88	80	86	75.0	93.5
11	69	100	72	100	84	62	81	80	76.5	85.5
12	71	100	72	100	84	66	80	74	76.8	85.0
13	70	99	70	100	73	100	69	100	70.5	99.8
14	69	100	67	96	75	49	66	74	69.3	79.8
15	57	92	62	76	75	46	70	58	66.0	68.0
16	60	92	70	68	80	42	72	64	70.5	66.5
17	63	100	70	82	76	62	77	58	71.5	75.5
18	63	100	63	100	83	44	79	62	72.0	76.5
19	65	100	67	100	82	54	74	82	72.0	84.0
20	66	100	66	100	78	68	72	88	70.5	89.0
21	63	100	69	99	82	64	70	100	71.0	90.8
22	67	100	75	92	85	54	74	70	75.3	79.0
23	67	100	72	100	84	64	77	97	75.0	90.3
24	68	100	74	100	75	100	78	98	73.8	99.5
25	70	100	70	100	86	66	80	100	76.5	91.5
26	69	100	71	100	86	64	80	82	76.5	86.5
27	72	100	74	98	86	60	82	69	78.5	81.8
28	72	100	72	94	86	63	80	74	77.5	82.8
29	72	92	74	100	76	98	68	100	72.5	97.5
30	66	100	70	100	84	74	78	92	74.5	91.5
31	69	100	73	100	87	55	85	78	78.5	83.3
Avg.	67.2	99.2	70.8	95.1	80.6	68.2	75.2	83.8		

Table 21. Six Hourly Temperature and Relative Humidity, August 1967

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	100	71	100	88	68	81	94	78.0	90.5
2	68	100	72	100	86	50	79	76	76.3	81.5
3	67	100	68	100	84	62	78	78	74.3	85.0
4	70	100	73	100	86	62	78	84	76.8	86.5
5	70	100	76	92	89	44	80	62	78.8	74.5
6	68	88	74	77	87	40	77	66	76.5	67.8
7	65	100	72	90	89	38	86	52	78.0	70.0
8	68	96	70	100	88	52	83	62	77.3	77.5
9	74	98	74	100	79	74	79	85	76.5	89.3
10	74	100	75	96	84	69	72	100	76.3	91.3
11	70	100	66	80	81	48	69	80	71.5	77.0
12	67	86	68	86	78	58	71	85	71.0	78.8
13	62	100	67	78	80	40	71	73	70.0	72.8
14	62	100	70	80	82	42	76	80	72.5	75.5
15	67	79	66	96	84	37	77	52	73.5	66.0
16	68	78	66	82	82	46	77	58	73.3	66.0
17	70	66	71	92	84	61	80	81	76.3	75.0
18	70	100	76	98	86	52	82	56	78.5	76.5
19	69	100	76	92	91	38	71	94	76.8	81.0
20	66	100	72	100	74	100	70	100	70.5	100.0
21	68	100	72	100	74	100	74	100	72.0	100.0
22	72	100	72	100	82	86	72	100	74.5	96.5
23	72	100	72	100	78	96	71	100	73.3	99.0
24	70	100	71	100	82	75	68	100	72.8	93.8
25	68	100	70	100	82	74	74	98	73.5	93.0
26	70	100	71	100	86	62	70	100	74.3	90.5
27	70	100	74	100	81	80	73	100	74.5	95.0
28	70	100	71	100	76	98	76	96	73.3	98.5
29	68	100	65	100	82	57	78	90	73.3	86.8
30	66	100	66	100	84	45	76	78	73.0	80.8
31	66	100	68	100	86	45	74	80	73.5	81.3
Avg.	68.6	96.5	70.8	94.8	83.1	61.3	75.6	82.6		

Table 22. Six Hourly Temperature and Relative Humidity, September 1967

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	66	100	65	99	78	66	71	92	70.0	89.3
2	66	94	63	92	59	100	59	92	61.8	94.5
3	62	78	58	100	59	100	60	100	59.8	94.5
4	62	100	64	93	76	66	74	67	69.0	81.5
5	62	98	61	98	73	52	69	84	66.3	83.0
6	66	80	64	90	75	74	70	100	68.8	86.0
7	69	88	66	100	66	100	66	100	66.8	97.0
8	68	100	69	100	78	84	72	100	71.8	96.0
9	70	100	71	100	84	58	75	96	75.0	88.5
10	69	100	68	100	82	62	73	94	73.0	89.0
11	68	100	70	98	80	71	73	94	72.8	90.8
12	66	98	63	91	73	70	67	97	67.3	89.0
13	63	80	58	90	74	48	68	80	65.8	74.5
14	60	96	58	90	76	55	68	78	65.5	79.8
15	61	88	60	95	76	36	65	70	65.5	72.3
16	60	82	64	86	81	38	68	86	68.3	73.0
17	64	88	68	79	85	36	68	92	71.3	73.8
18	66	100	70	94	84	48	76	88	74.0	82.5
19	67	91	63	100	85	44	74	94	72.3	82.3
20	64	100	67	98	86	44	75	94	73.0	84.0
21	69	98	66	100	84	58	74	92	73.3	87.0
22	66	100	68	100	83	38	70	60	71.8	74.5
23	58	70	58	76	76	36	62	71	63.5	63.3
24	54	90	62	72	80	31	63	84	64.8	69.3
25	59	84	64	93	82	42	69	86	68.5	76.3
26	64	76	61	100	81	50	69	84	68.8	77.5
27	67	100	66	100	80	61	71	93	71.0	88.5
28	65	100	59	100	56	92	49	100	57.3	98.0
29	40	100	46	100	62	34	48	84	49.0	79.5
30	39	100	51	72	68	33	52	95	52.5	75.0
Avg.	62.7	92.6	63.0	93.5	76.1	57.6	67.3	88.2		

Table 23. Six Hourly Temperature and Relative Humidity, October 1967

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	58	64	76	32	57	93	59.0	72.3
2	51	100	62	72	80	31	64	84	64.3	71.8
3	57	82	54	100	80	39	64	92	63.8	78.3
4	56	100	62	82	81	34	64	82	65.8	74.5
5	61	88	59	100	82	37	66	83	67.0	77.0
6	57	100	63	90	83	34	62	98	66.3	80.5
7	62	92	66	88	84	32	64	84	69.0	74.0
8	62	99	62	98	73	78	66	100	65.8	93.8
9	64	100	67	100	68	92	60	96	64.8	97.0
10	50	99	46	100	70	39	61	63	56.8	75.3
11	51	98	44	100	66	35	54	65	53.8	74.5
12	48	74	50	77	70	36	56	90	56.0	69.3
13	52	82	56	75	77	31	57	90	60.5	69.5
14	51	98	62	76	81	34	61	89	63.8	74.3
15	54	97	64	75	79	40	52	88	62.3	75.0
16	63	76	64	93	76	61	68	82	67.8	78.0
17	64	94	66	100	63	89	55	66	62.0	87.3
18	50	82	49	99	66	42	53	40	54.5	65.8
19	42	73	38	100	64	30	50	69	48.5	68.0
20	44	79	46	82	68	26	50	76	52.0	65.8
21	48	79	52	81	76	30	60	63	59.0	63.3
22	54	66	53	53	76	25	58	59	60.3	50.8
23	58	60	59	100	75	46	65	60	64.3	66.5
24	59	84	61	97	75	58	67	76	65.5	78.8
25	65	100	50	100	64	32	50	49	57.3	70.3
26	40	98	40	100	69	24	49	86	49.5	77.0
27	46	62	45	100	64	74	56	100	52.8	84.0
28	48	62	45	79	65	25	46	81	51.0	61.8
29	44	62	48	56	68	28	57	39	54.3	46.3
30	53	66	53	86	62	73	62	90	57.5	78.8
31	60	100	62	100	66	100	66	100	63.5	100.0
Avg.	53.5	85.5	55.0	87.8	72.5	44.7	58.7	78.5		

Table 24. Six Hourly Temperature and Relative Humidity, November 1967

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	56	100	49	100	51	100	52	100	52.0	100.0
2	52	100	48	98	62	45	49	44	52.8	71.8
3	44	100	42	100	63	48	56	76	51.3	81.0
4	46	100	40	75	53	35	40	60	44.8	67.5
5	33	83	35	69	53	26	40	54	40.3	58.0
6	33	62	32	74	47	37	37	51	37.3	56.0
7	30	82	31	69	55	32	42	66	39.5	62.3
8	34	97	34	74	58	22	42	53	42.0	61.5
9	36	66	30	100	61	24	46	56	43.3	61.5
10	37	93	36	100	65	22	47	66	46.3	70.3
11	46	57	46	61	68	44	53	88	53.3	62.5
12	48	100	54	94	74	48	58	80	58.5	80.5
13	54	92	52	87	74	26	61	42	60.3	61.8
14	56	64	51	56	70	35	59	59	59.0	53.5
15	48	69	39	80	57	42	47	55	47.8	61.5
16	31	100	34	75	58	32	44	65	41.8	68.0
17	42	71	37	100	62	42	56	50	49.3	65.8
18	49	83	45	100	66	28	54	37	53.5	62.0
19	40	49	34	79	60	26	44	52	44.5	51.5
20	42	52	35	84	60	28	50	59	46.8	55.8
21	42	89	46	80	44	100	49	100	45.3	92.3
22	47	96	53	100	65	100	62	100	56.8	99.0
23	60	100	50	96	61	48	53	93	56.0	84.3
24	54	100	64	100	75	62	61	100	63.5	90.5
25	54	100	49	92	68	39	50	99	55.3	82.5
26	48	100	57	100	71	80	63	100	59.8	95.0
27	60	100	62	100	56	68	50	75	57.0	85.8
28	42	42	36	46	43	39	41	51	40.5	44.5
29	38	46	36	86	41	90	44	82	39.8	76.0
30	42	78	48	100	64	66	54	78	52.0	80.5
Avg.	44.8	82.4	43.5	85.8	60.2	47.8	50.1	69.7		

Table 25. Six Hourly Temperature and Relative Humidity, December 1967

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	46	92	38	100	60	50	52	70	49.0	78.0
2	46	86	45	100	50	100	57	100	49.5	96.5
3	49	72	42	68	42	74	38	87	42.8	75.3
4	33	100	33	95	60	32	45	75	42.8	75.5
5	39	77	35	90	61	36	46	88	45.3	72.8
6	44	100	46	100	66	46	52	96	52.0	85.5
7	52	97	49	100	64	67	56	99	55.3	90.8
8	54	100	56	100	63	77	58	100	57.8	94.3
9	58	100	57	100	64	82	59	100	59.5	95.5
10	60	100	62	100	68	91	63	100	63.3	97.8
11	63	100	62	100	64	72	55	60	61.0	83.0
12	47	72	42	87	53	59	44	100	46.5	79.5
13	38	100	45	92	65	50	56	81	51.0	80.8
14	54	80	52	72	66	52	63	80	58.8	71.0
15	56	100	56	100	62	100	54	100	57.0	100.0
16	48	93	39	72	58	31	47	76	48.0	68.0
17	45	52	48	100	65	68	62	94	55.0	78.5
18	63	100	66	100	73	84	62	100	66.0	96.0
19	66	100	67	100	74	78	67	97	68.5	93.8
20	58	100	61	100	67	98	59	100	61.3	99.5
21	58	100	60	100	67	98	66	99	62.8	99.3
22	63	100	51	100	46	100	36	76	49.0	94.0
23	29	62	24	74	38	36	30	46	30.3	54.5
24	26	58	26	70	49	26	54	68	38.8	55.5
25	33	96	32	100	49	33	38	76	38.0	76.3
26	36	78	34	93	48	54	40	66	39.5	72.8
27	34	69	31	72	50	33	43	76	39.5	62.5
28	43	100	46	100	43	94	38	88	42.5	95.5
29	34	93	32	94	38	74	31	93	33.8	88.5
30	28	99	28	100	50	38	39	82	36.3	79.8
31	43	56	41	100	48	100	48	100	45.0	89.0
Avg.	46.6	88.1	45.4	92.9	57.1	65.6	50.3	86.2		

Table 26. Soil Temperature and Wind, January 1967

Date	Soil Temperature						Wind at 12'	
	5 cm.		10 cm.		20 cm.		Prvl. dir.	Miles per day
	Max.	Min.	Max.	Min.	Max.	Min.		
1	53	44	52	45	49	43	W	81
2	50	50	50	50	48	48	E	62
3	61	50	60	50	54	48	W	57
4	53	49	51	48	50	48	NW	169
5	53	38	51	39	47	40	W	80
6	54	37	53	38	48	40	E	154
7	55	37	54	38	51	38	E	133
8	53	40	52	42	50	44	N	161
9	45	44	47	45	46	40	N	105
10	46	42	46	44	44	43	NW	111
11	52	38	50	38	46	39	N	111
12	52	37	51	37	46	37	NE	48
13	50	36	49	37	45	37	E	59
14	50	37	50	39	48	37	W	60
15	58	49	56	49	52	46	NW	125
16	54	37	54	39	48	41	N	53
17	56	37	55	38	49	39	NW	30
18	48	37	47	37	45	38	NE	151
19	56	39	55	40	55	40	N	93
20	58	43	57	43	51	44	E	131
21	60	41	59	42	53	42	E	86
22	66	44	65	45	57	43	E	74
23	68	51	68	52	65	48	E	57
24	69	50	68	51	61	48	E	52
25	68	52	67	53	60	52	E	60
26	62	52	64	53	59	52	E	163
27	52	50	52	52	54	54	NW	208
28	54	38	52	40	49	41	NW	133
29	56	37	54	38	49	40	W	67
30	60	40	59	41	53	39	W	55
31	65	39	65	41	57	40	W	56
Total	1737	1315	1713	1344	1589	1329		2985
Avg.	56.0	42.4	55.3	43.4	51.3	42.9	E	96.3

Table 27. Soil Temperature and Wind, February 1967

Date	Soil Temperature						Wind at 12'	
	5 cm.		10 cm.		20 cm.		Prvl. dir.	Miles per day
	Max.	Min.	Max.	Min.	Max.	Min.		
1	68	50	68	51	60	48	E	66
2	62	50	63	51	58	51	W	98
3	52	51	51	52	52	52	N	114
4	56	46	55	47	51	48	W	86
5	60	40	61	41	53	43	W	71
6	51	50	53	50	50	44	E	134
7	44	41	46	42	44	45	NW	187
8	55	36	54	37	48	38	N	82
9	42	35	44	37	41	37	E	60
10	52	41	54	42	48	41	W	101
11	50	40	50	42	47	40	NE	150
12	48	44	46	44	45	44	N	249
13	60	38	59	38	51	39	W	92
14	60	37	59	38	52	38	W	105
15	60	39	60	40	53	40	W	187
16	68	46	67	47	59	45	W	120
17	70	55	70	56	70	52	W	150
18	63	56	62	56	58	55	N	96
19	60	48	59	49	55	50	E	135
20	61	52	60	53	56	50	E	168
21	60	45	58	45	54	49	N	163
22	53	40	51	42	48	54	W	106
23	58	40	55	40	51	42	W	126
24	53	37	52	39	48	40	NW	232
25	48	36	46	36	43	38	N	194
26	55	34	54	35	46	35	N	72
27	52	34	50	35	47	36	E	127
28	62	40	61	41	54	38	NW	168
Total	1583	1201	1568	1226	1442	1232		3639
Avg.	56.5	42.9	56.0	43.8	51.5	44.0	W	130.0

Table 28. Soil Temperature and Wind, March 1967

Date	Soil Temperature						Wind at 12'	
	5 cm.		10 cm.		20 cm.		Prvl. dir.	Miles per day
	Max.	Min.	Max.	Min.	Max.	Min.		
1	63	40	62	42	55	43	N	86
2	65	41	65	42	55	40	E	98
3	79	42	79	43	60	42	W	51
4	71	46	71	48	63	46	W	83
5	72	54	69	55	65	50	W	170
6	72	62	71	62	64	58	W	297
7	64	49	62	50	56	53	N	171
8	67	42	66	44	58	46	N	71
9	69	43	68	45	60	46	E	77
10	70	49	70	51	63	50	W	105
11	78	57	77	58	69	55	W	136
12	81	63	79	64	72	60	W	151
13	79	63	78	63	71	62	W	104
14	82	63	81	63	72	62	W	114
15	70	64	72	64	67	60	W	221
16	76	50	75	51	66	54	NE	128
17	74	49	73	50	65	52	N	178
18	70	43	70	45	62	48	E	151
19	72	44	72	46	63	48	E	126
20	72	51	71	52	62	49	E	141
21	76	52	75	52	67	51	W	174
22	74	49	74	50	65	52	N	191
23	81	49	80	51	68	51	W	86
24	85	51	84	53	73	51	W	55
25	85	56	84	58	73	62	W	74
26	84	58	84	60	73	61	E	152
27	69	61	69	62	64	61	E	156
28	76	61	75	62	68	62	E	91
29	81	63	80	63	72	60	E	84
30	76	62	75	62	70	58	E	184
31	78	59	77	59	70	60	E	171
Total	2311	1636	2288	1670	2031	1653		4077
Avg.	74.5	52.8	73.8	53.9	65.5	53.3	W	131.5

Table 29. Soil Temperature and Wind, April 1967

Date	Soil Temperature						Wind at 12'	
	5 cm.		10 cm.		20 cm.		Prvl. dir.	Miles per day
	Max.	Min.	Max.	Min.	Max.	Min.		
1	84	59	83	59	74	58	E	111
2	80	60	78	61	77	61	W	54
3	90	61	89	62	78	62	W	85
4	94	64	92	65	80	62	E	91
5	92	66	91	66	81	64	W	82
6	92	64	90	65	80	67	W	123
7	92	64	91	66	81	64	W	134
8	91	64	90	66	81	66	E	149
9	85	66	84	67	77	68	E	114
10	86	67	85	68	77	68	W	83
11	88	68	87	69	78	67	W	68
12	82	65	82	66	74	67	E	172
13	84	67	82	68	76	66	E	197
14	88	68	87	68	79	68	E	151
15	93	68	92	69	82	68	W	70
16	92	68	93	69	83	69	W	78
17	92	72	92	73	83	71	W	133
18	91	72	92	73	84	73	NW	146
19	92	65	93	67	83	70	N	149
20	92	66	91	67	82	69	E	130
21	91	67	90	68	82	68	W	160
22	83	69	82	70	77	69	W	113
23	82	70	84	71	78	72	W	141
24	85	72	86	73	80	71	N	179
25	69	58	70	60	66	64	E	170
26	82	62	81	63	73	63	W	172
27	82	60	81	62	74	64	N	229
28	86	54	85	56	76	60	N	154
29	87	58	86	59	77	59	E	89
30	86	64	86	65	77	63	E	105
Total	2613	1948	2595	1981	2350	1981		3832
Avg.	87.1	64.9	86.5	66.0	78.3	66.0	W	127.7

Table 30. Soil Temperature and Wind, May 1967

Date	Soil Temperature						Wind at 12'	
	5 cm.		10 cm.		20 cm.		Prvl. dir.	Miles per day
	Max.	Min.	Max.	Min.	Max.	Min.		
1	85	68	85	68	77	66	W	134
2	80	67	80	69	74	68	W	138
3	82	58	82	60	74	62	E	107
4	62	59	63	61	65	61	E	176
5	70	60	69	62	66	63	E	149
6	76	60	76	61	71	61	W	134
7	80	64	81	65	74	64	NW	207
8	81	59	81	61	73	62	W	161
9	84	60	83	61	75	61	NW	143
10	90	59	87	60	77	62	E	67
11	89	59	88	60	78	61	W	199
12	96	64	95	66	85	65	W	110
13	98	72	97	73	86	71	W	77
14	99	73	98	74	88	75	W	177
15	87	75	87	76	80	74	W	180
16	91	61	89	62	79	65	N	119
17	94	61	93	62	82	63	W	61
18	95	64	93	65	83	65	W	66
19	96	69	96	70	86	68	W	89
20	97	70	97	71	86	70	W	60
21	93	73	92	74	84	72	NE	135
22	66	65	68	66	70	68	NE	233
23	62	60	64	61	63	63	NE	205
24	81	57	81	58	73	60	N	113
25	85	57	87	58	78	58	W	74
26	92	64	91	65	83	63	NW	80
27	96	68	95	69	86	66	N	104
28	100	72	98	70	87	72	N	80
29	101	73	100	75	90	73	W	60
30	98	74	97	75	98	75	W	83
31	100	74	99	75	90	76	W	87
Total	2706	2019	2692	2053	2461	2053		3808
Avg.	87.3	65.1	86.8	66.2	79.4	66.2	W	122.8

Table 31. Soil Temperature and Wind, June 1967

Date	Soil Temperature						Wind at 12'	
	5 cm.		10 cm.		20 cm.		Prvl. dir.	Miles per day
	Max.	Min.	Max.	Min.	Max.	Min.		
1	90	75	89	76	83	76	E	118
2	70	67	72	69	71	71	E	143
3	73	66	74	67	71	68	E	104
4	79	66	79	68	74	65	NE	140
5	77	66	78	70	74	67	E	147
6	86	67	87	68	78	68	NE	135
7	88	68	87	69	86	67	E	133
8	93	68	92	69	84	68	E	105
9	98	69	96	70	87	69	E	106
10	97	70	96	71	87	70	E	84
11	100	71	99	73	89	73	E	96
12	102	74	101	75	95	75	E	93
13	99	74	98	76	88	75	E	96
14	95	75	95	75	87	77	E	95
15	91	72	90	73	83	75	E	132
16	98	72	96	74	87	73	E	104
17	99	73	98	75	89	74	E	44
18	103	75	102	77	92	71	N	80
19	101	79	103	80	93	77	N	88
20	101	79	100	80	92	79	N	90
21	101	79	101	79	92	81	E	82
22	99	78	97	79	88	80	W	80
23	99	77	98	77	90	78	W	99
24	93	77	91	79	85	78	W	63
25	102	74	99	76	90	80	W	74
26	95	75	94	77	86	76	NW	74
27	94	75	93	76	87	76	E	92
28	90	75	89	76	83	77	E	97
29	94	75	93	75	86	76	W	79
30	93	75	91	75	84	74	W	53
Total	2800	2186	2778	2224	2561	2214		2926
Avg.	93.3	72.9	92.6	74.1	85.4	73.8	E	97.5

Table 32. Soil Temperature and Wind, July 1967

Date	Soil Temperature						Wind at 12'	
	5 cm.		10 cm.		20 cm.		Prvl. dir.	Miles per day
	Max.	Min.	Max.	Min.	Max.	Min.		
1	91	75	89	76	83	76	W	48
2	94	74	92	75	84	77	W	74
3	91	76	90	76	85	77	NW	97
4	91	70	90	70	83	73	N	72
5	93	69	93	72	86	72	E	83
6	84	72	83	74	79	74	E	84
7	85	73	84	74	79	75	E	65
8	93	73	92	75	84	73	E	69
9	87	74	85	75	80	75	W	72
10	91	73	90	73	83	74	W	64
11	94	73	93	74	86	73	W	91
12	97	74	95	75	88	75	W	100
13	92	76	92	77	84	77	W	101
14	88	75	87	76	82	77	N	109
15	86	65	85	67	80	70	N	111
16	91	67	90	68	87	70	N	60
17	87	71	86	72	81	72	NE	44
18	94	69	93	70	85	72	N	37
19	93	69	92	71	85	72	E	53
20	92	73	90	74	83	75	W	57
21	95	74	93	75	85	76	W	66
22	99	74	98	75	90	75	W	78
23	94	76	93	78	87	77	W	54
24	92	74	91	76	85	78	S	54
25	98	76	97	77	89	77	W	69
26	96	76	95	77	87	78	W	69
27	92	77	92	77	87	78	W	75
28	92	75	91	76	86	75	W	63
29	88	75	88	76	82	74	W	57
30	93	73	92	75	84	75	W	43
31	95	75	94	76	88	75	W	37
Total	2848	2266	2815	2302	2617	2317		2156
Avg.	91.9	73.1	90.8	74.3	84.4	74.7	W	69.5

Table 33. Soil Temperature and Wind, August 1967

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	76	94	77	87	76	W	44
2	99	75	98	76	90	78	W	51
3	99	75	98	76	91	77	SW	57
4	97	75	95	77	90	78	SW	67
5	101	76	99	78	92	80	N	99
6	94	75	92	77	94	79	N	73
7	104	76	103	77	94	79	NW	48
8	103	76	101	78	94	80	NW	79
9	91	78	90	80	87	80	W	45
10	92	78	92	80	86	81	W	72
11	90	73	90	74	85	76	N	136
12	84	72	85	72	81	75	NE	130
13	93	69	92	70	85	72	NE	97
14	97	69	95	70	87	72	-*	33
15	96	70	94	71	87	73	-	67
16	95	72	93	73	86	75	-	98
17	93	71	92	73	86	75	-	98
18	100	75	99	76	91	77	-	43
19	103	75	102	76	92	77	-	57
20	89	76	88	77	83	79	-	37
21	82	74	81	75	78	76	-	72
22	88	73	87	74	83	75	-	90
23	84	75	83	76	79	76	-	88
24	85	75	84	76	80	76	-	86
25	88	72	87	74	82	75	-	95
26	91	72	90	74	84	74	-	72
27	87	75	86	76	82	75	-	60
28	82	74	82	75	79	76	-	34
29	88	71	87	72	82	74	-	37
30	92	70	91	72	84	74	N	41
31	95	70	94	72	86	74	N	75
Total	2877	2283	2844	2324	2667	2364		2181
Avg.	92.8	73.6	91.7	75.0	86.0	76.3		70.4

* Missing data

Table 34. Soil Temperature and Wind, September 1967

Date	Soil Temperature						Wind at 12"	
	5 cm.		10 cm.		20 cm.		Prvl. dir.	Miles per day
	Max.	Min.	Max.	Min.	Max.	Min.		
1	89	71	89	72	83	74	N	120
2	70	70	72	71	73	74	E	141
3	70	64	72	65	74	67	E	171
4	78	65	78	65	74	66	E	130
5	77	64	77	65	73	65	NE	98
6	76	64	76	66	73	68	E	67
7	70	67	70	68	70	68	SE	112
8	82	70	80	70	76	70	SE	95
9	90	70	88	71	81	70	NW	43
10	89	72	87	73	81	72	NE	71
11	84	70	83	72	79	72	E	139
12	80	67	79	68	75	70	E	141
13	88	64	87	65	79	67	E	122
14	90	64	89	65	81	66	NE	119
15	91	63	89	65	82	68	NE	98
16	94	63	92	65	83	69	NE	64
17	96	65	94	67	85	68	NE	49
18	97	70	94	71	86	71	E	60
19	95	69	94	71	85	73	NE	33
20	98	70	97	72	88	74	NE	35
21	93	71	92	73	85	75	W	47
22	96	72	94	74	86	76	N	108
23	93	65	92	67	84	72	N	93
24	93	65	92	66	83	70	N	58
25	94	67	92	69	84	70	NE	66
26	93	67	92	69	83	70	SE	99
27	90	68	89	69	83	71	SE	87
28	70	69	73	71	73	73	NW	107
29	73	52	72	54	69	58	NW	94
30	77	52	76	54	71	57	NE	33
Total	2576	1990	2551	2033	2382	2084		2700
Avg.	85.9	66.3	85.0	67.8	79.4	69.5	NE	90.0

Table 35. Soil Temperature and Wind, October 1967

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	52	79	54	73	57	NE	57
2	85	58	83	59	76	58	E	71
3	85	58	84	59	77	61	NE	37
4	90	61	88	62	79	61	NE	60
5	90	62	89	64	80	65	N	41
6	91	63	90	65	81	67	NW	33
7	93	64	91	65	83	67	NW	53
8	80	66	80	68	75	70	SE	117
9	77	68	77	70	73	70	NW	67
10	82	55	80	57	73	62	NW	94
11	82	55	80	57	73	60	N	89
12	80	54	79	57	71	60	N	71
13	85	56	84	58	76	61	NE	69
14	87	57	86	59	78	61	NE	29
15	86	63	85	64	77	63	SE	75
16	84	64	83	68	76	67	SE	115
17	74	66	74	68	72	68	W	134
18	76	58	75	59	69	62	NW	154
19	78	56	76	53	69	57	N	95
20	80	50	79	52	71	51	NE	57
21	83	51	81	53	72	57	N	59
22	83	57	82	59	73	59	NE	98
23	82	61	81	62	73	61	E	138
24	82	61	81	62	74	63	SE	124
25	73	61	72	63	68	65	NW	127
26	73	51	72	52	67	55	NE	24
27	66	50	66	52	62	54	W	75
28	69	51	68	52	64	54	NE	93
29	69	49	68	51	64	54	NE	96
30	62	54	62	55	60	53	E	158
31	66	55	66	57	63	55	SE	212
Total	2473	1787	2441	1836	2242	1878		2722
Avg.	79.8	57.6	78.7	59.2	72.3	60.6	NE	87.8

Table 36. Soil Temperature and Wind, November 1967

Date	Soil Temperature						Wind at 12'	
	5 cm.		10 cm.		20 cm.		Prvl. dir.	Miles per day
	Max.	Min.	Max.	Min.	Max.	Min.		
1	58	57	59	59	60	59	S	129
2	70	56	70	56	64	57	W	83
3	69	50	68	52	62	54	W	87
4	63	49	63	52	59	52	N	151
5	60	42	60	44	55	48	N	152
6	57	42	58	43	53	46	N	109
7	60	39	60	41	53	44	N	80
8	62	38	62	41	55	42	NE	79
9	64	41	64	42	57	44	SW	28
10	66	42	65	43	59	44	SE	38
11	70	47	68	48	61	46	E	63
12	74	51	73	53	64	50	NW	68
13	74	53	73	54	65	52	W	88
14	75	53	74	54	66	56	N	88
15	66	50	66	51	60	53	N	124
16	67	43	66	45	58	48	SE	78
17	66	42	65	45	58	46	SW	51
18	70	47	69	49	62	48	NW	95
19	67	44	66	46	59	49	N	80
20	63	46	62	47	56	48	N	32
21	53	45	54	47	52	48	SE	77
22	62	50	62	51	57	50	S	108
23	68	53	67	54	61	52	NW	79
24	68	56	68	57	63	55	SW	180
25	69	55	69	57	63	57	N	39
26	68	55	66	56	61	57	S	42
27	64	60	64	57	62	57	N	154
28	49	45	51	47	49	50	N	142
29	48	43	50	46	47	47	E	125
30	62	43	62	46	55	45	NW	145
Total	1932	1437	1924	1483	1756	1504		2794
Avg.	64.4	47.9	64.1	49.4	58.5	50.1	N	93.1

Table 37. Soil Temperature and Wind, December 1967

Date	Soil Temperature						Wind at 12'	
	5 cm.		10 cm.		20 cm.		Prvl. dir.	Miles per day
	Max.	Min.	Max.	Min.	Max.	Min.		
1	62	45	61	46	56	47	SE	141
2	54	44	55	46	52	47	SE	173
3	48	48	49	49	48	49	NW	231
4	57	39	57	40	51	41	NE	108
5	60	37	60	39	53	40	SE	42
6	64	40	63	42	56	42	SE	47
7	62	47	62	49	57	47	SE	38
8	64	52	63	53	59	53	SE	78
9	65	56	65	58	60	55	SE	108
10	66	60	66	61	61	58	SE	189
11	65	62	66	63	62	60	SW	177
12	62	49	61	50	56	52	SW	99
13	66	48	65	49	58	49	E	77
14	64	48	64	50	58	48	E	124
15	64	50	64	53	59	51	N	97
16	63	50	63	52	58	53	N	85
17	64	51	63	51	60	52	SE	146
18	67	55	67	55	68	52	S	138
19	72	63	72	64	67	65	S	104
20	69	62	68	63	65	61	SE	49
21	67	60	66	61	63	60	S	134
22	61	60	61	61	61	60	NW	215
23	48	39	50	41	47	44	N	182
24	52	38	53	40	48	41	N	51
25	50	38	51	39	47	41	SW	42
26	54	41	55	42	49	43	N	104
27	50	39	50	40	46	41	E	159
28	48	37	50	39	47	41	NW	229
29	48	42	49	43	45	43	N	117
30	53	37	53	38	47	39	NE	60
31	48	36	49	37	47	39	SE	91
Total	1837	1473	1841	1514	1711	1514		3635
Avg.	59.3	47.5	59.4	48.8	55.2	48.8	SE	117.3

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

1967 Date	Min.	32°	30°	28°	26°	24°	22°	20°	18°	16°
1-4-67	31.0	0.5								
1-5-67	28.5	9.3	4.5							
1-6-67	29.5	2.0	1.0							
1-11-67	28.0	6.1	2.8	0.2						
1-12-67	28.0	8.8	3.4	0.6						
1-13-67	30.0	6.8	0.8							
1-15-67	30.0	1.8	0.2							
1-16-67	25.5	12.1	9.2	5.6	1.7					
1-17-67	25.5	7.9	6.9	5.1	1.4					
1-27-67	31.0	0.4								
1-28-67	26.4	6.8	5.8	3.8	0.5					
1-29-67	26.9	4.2	2.8	1.3						
1-30-67	31.5	0.4								
2-5-67	30.8	1.2								
2-7-67	25.0	15.1	10.6	3.4	1.7					
2-8-67	20.5	9.0	8.6	8.4	8.0	7.6	5.9			
2-13-67	30.5	2.8								
2-14-67	30.5	1.0								
2-21-67	32.0	0.6								
2-22-67	32.0	0.3								
2-23-67	29.0	2.5	1.2							
2-24-67	23.5	9.5	6.9	3.5	1.6	0.2				
2-25-67	15.9	22.3	20.3	18.6	17.0	14.9	11.4	6.8	3.2	1.1
2-26-67	17.4	12.1	7.8	7.3	6.9	6.6	6.3	5.9	1.6	
3-18-67	27.8	4.7	3.2	0.6						
11-5-67	31.2	1.4								
11-6-67	30.0	4.4	0.1							
11-7-67	29.0	6.6	2.6							
11-9-67	29.0	4.6	1.2							
11-15-67	32.0	0.3								
11-16-67	31.0	0.4								
11-19-67	31.6	0.3								
12-4-67	31.0	6.2								
12-22-67	28.5	4.2	1.7							
12-23-67	23.7	16.4	14.9	10.9	4.2	0.6				
12-24-67	23.8	7.8	6.9	6.4	5.1	1.4				
12-25-67	30.5	3.0								
12-26-67	32.0	0.4								
12-27-67	31.5	1.7								
12-29-67	28.0	8.3	5.3	0.1						
12-30-67	26.6	7.0	6.5	3.1						

Table 39. Cooling Degree Days 1967 - Base 75°

Date	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0	0	0	0	0	0	3	4	0	0	0	0
2	0	0	0	0	0	0	3	4	0	0	0	0
3	0	0	0	0	0	0	3	3	0	0	0	0
4	0	0	0	0	0	0	0	3	0	0	0	0
5	0	0	0	0	0	0	1	6	0	0	0	0
6	0	0	0	0	0	0	0	2	0	0	0	0
7	0	0	0	0	0	0	0	2	0	0	0	0
8	0	0	0	0	0	0	1	4	0	0	0	0
9	0	0	0	0	0	0	0	4	2	0	0	0
10	0	0	0	0	0	0	1	5	1	0	0	0
11	0	0	0	0	0	0	3	0	0	0	0	0
12	0	0	0	0	5	2	4	0	0	0	0	0
13	0	0	0	0	4	2	1	0	0	0	0	0
14	0	0	0	0	2	2	0	0	0	0	0	0
15	0	0	0	0	1	0	0	0	0	0	0	0
16	0	0	0	0	0	1	0	0	0	0	0	0
17	0	0	0	0	0	4	0	2	0	0	0	0
18	0	0	0	0	0	5	0	4	0	0	0	0
19	0	0	0	0	0	7	0	5	0	0	0	0
20	0	0	0	0	0	8	0	0	1	0	0	0
21	0	0	0	0	0	5	0	0	1	0	0	0
22	0	0	0	0	0	4	3	2	0	0	0	0
23	0	0	0	0	0	4	3	1	0	0	0	0
24	0	0	0	0	0	3	2	1	0	0	0	0
25	0	0	0	0	0	5	4	1	0	0	0	0
26	0	0	0	0	1	4	5	3	0	0	0	0
27	0	0	0	0	4	4	4	2	0	0	0	0
28	0	0	0	0	5	5	3	0	0	0	0	0
29	0	0	0	0	3	3	1	0	0	0	0	0
30	0	0	0	0	0	2	2	0	0	0	0	0
31	0	0	0	0	2	0	4	1	0	0	0	0
Total	0	0	0	0	27	70	51	59	5	0	0	0

Table 40. Heating Degree Days 1967 - Base 65°

Date	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	15	7	17	0	0	0	0	0	0	0	0	0
2	17	7	13	0	0	6	0	0	4	1	0	0
3	12	22	10	0	3	0	0	0	6	2	0	0
4	27	22	4	0	6	0	0	0	0	5	0	0
5	23	17	0	0	4	0	0	0	0	6	0	0
6	21	20	0	0	0	0	0	0	0	5	0	0
7	11	33	22	0	1	0	0	0	0	8	0	0
8	17	29	16	0	0	0	0	0	0	2	0	0
9	24	29	7	0	0	0	0	0	0	4	0	0
10	25	21	0	0	1	0	0	0	0	0	0	0
11	27	17	0	0	0	0	0	0	0	0	0	0
12	24	22	0	0	0	0	0	0	0	0	0	0
13	23	19	0	0	0	0	0	0	0	0	0	0
14	17	17	0	0	0	0	0	0	0	1	0	0
15	22	10	6	0	0	0	0	0	0	3	0	0
16	26	1	13	0	3	0	0	0	0	5	0	0
17	23	2	15	0	0	0	0	0	0	0	0	0
18	21	16	24	0	0	0	0	0	0	0	0	1
19	18	16	18	0	0	0	0	0	0	0	0	3
20	17	9	8	0	0	0	0	0	0	0	0	0
21	15	23	6	0	0	0	0	0	0	0	0	0
22	5	24	10	0	5	0	0	0	0	0	0	0
23	3	25	8	0	9	0	0	0	0	2	0	0
24	5	31	0	0	0	0	0	0	0	5	0	0
25	4	40	1	7	0	0	0	0	0	0	0	0
26	3	31	0	0	0	0	0	0	0	0	0	0
27	22	20	3	5	0	0	0	0	0	0	0	0
28	26	17	0	7	0	0	0	0	12	0	0	0
29	22		0	5	0	0	0	0	14	0	0	0
30	17		0	0	0	0	0	0	11	0	0	0
31	6		0		0		0	0		0		0
Total	538	525	201	24	32	6	0	0	47	49	0	4

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 1967 - Base 40°

Date	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	10	18	8	26	31	34	38	39	33	22	13	10
2	8	18	12	26	25	19	38	39	21	26	16	12
3	13	3	15	28	22	25	38	38	19	27	11	1
4	0	3	21	32	19	30	34	38	30	30	6	7
5	2	8	28	31	21	32	36	41	27	31	3	10
6	4	5	30	29	29	33	34	37	30	30	0	16
7	14	0	3	33	24	33	35	37	27	33	3	19
8	8	0	9	30	25	34	36	39	34	27	8	19
9	1	0	18	28	25	35	33	39	37	29	8	22
10	0	4	26	31	24	35	36	40	36	19	12	25
11	0	8	32	31	32	35	38	34	34	16	18	24
12	1	3	34	29	40	37	39	32	29	20	21	9
13	2	6	30	32	39	37	36	32	27	25	25	14
14	8	8	30	32	37	37	28	33	28	26	21	20
15	3	15	19	32	36	34	26	34	27	28	6	16
16	0	24	12	32	22	36	32	35	29	31	6	11
17	2	23	10	35	25	39	33	37	34	20	11	16
18	4	9	1	35	30	40	34	39	35	15	15	26
19	7	9	7	27	31	42	34	40	35	10	3	28
20	8	16	17	29	34	43	34	35	26	16	9	23
21	10	2	19	29	33	40	34	33	26	21	4	23
22	20	1	15	32	20	39	38	37	31	24	17	7
23	22	0	17	35	16	39	38	36	26	27	17	0
24	20	0	27	34	25	38	37	36	26	30	26	0
25	21	0	24	18	31	40	39	36	31	13	19	0
26	22	0	28	28	36	39	40	38	32	14	21	0
27	3	5	22	20	39	39	39	37	34	14	20	0
28	0	8	26	18	40	40	38	34	13	14	1	0
29	3		28	20	38	38	36	35	11	16	1	0
30	8		26	26	35	37	37	35	14	19	15	0
31	19		26		37		39	36		23		5
Total	243	196	620	868	921	1079	1107	1131	842	696	356	363

Table 44. Growing Degree Days for 1967 - Base 45°

Date	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5	13	3	21	26	29	33	34	28	17	8	5
2	3	13	7	21	20	14	33	34	16	21	11	7
3	8	0	10	13	17	20	33	33	14	22	6	0
4	0	0	16	27	14	25	29	33	25	25	1	2
5	0	3	13	26	16	27	31	36	22	26	0	5
6	0	0	25	24	24	28	29	32	25	25	0	11
7	9	0	0	28	19	28	30	32	22	28	0	14
8	3	0	4	25	20	29	31	34	29	22	3	14
9	0	0	13	13	20	30	28	34	32	24	3	17
10	0	0	21	26	19	30	31	35	31	14	7	20
11	0	3	27	26	27	30	33	29	29	11	13	19
12	0	0	29	24	35	32	34	27	24	15	16	4
13	0	1	25	27	34	32	31	27	22	20	20	9
14	3	3	25	27	32	32	23	28	23	21	16	15
15	0	10	14	27	31	29	21	29	22	23	1	11
16	0	19	7	27	17	31	27	30	24	26	1	6
17	0	18	5	30	20	34	28	32	29	15	6	11
18	0	4	0	30	25	35	29	34	30	10	10	21
19	2	4	2	22	26	37	29	35	30	5	0	23
20	3	11	12	24	29	38	29	30	31	11	4	18
21	5	0	14	24	28	35	29	28	31	16	0	18
22	15	0	10	27	15	34	33	32	26	19	12	2
23	17	0	12	30	11	34	33	31	21	22	12	0
24	15	0	22	29	20	33	32	31	21	25	21	0
25	16	0	19	13	26	35	34	31	26	8	14	0
26	17	0	13	23	31	34	35	33	27	9	16	0
27	0	0	17	15	34	34	34	32	29	9	15	0
28	0	3	21	13	35	35	33	29	8	9	0	0
29	0		13	15	33	33	31	30	6	11	0	0
30	3		21	21	30	32	32	30	9	14	10	0
31	14		21		32		34	31		18		0
Total	133	105	441	698	766	929	952	976	712	541	226	252

Table 45. Growing Degree Days for 1967 - Base 50°

Date	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0	8	0	16	21	24	28	29	23	12	3	0
2	0	8	2	16	15	9	28	29	11	16	6	2
3	3	0	5	18	12	15	28	28	9	17	1	0
4	0	0	11	22	9	20	24	28	20	20	0	0
5	0	0	18	21	11	22	26	31	17	21	0	0
6	0	0	20	19	19	23	24	27	20	20	0	6
7	4	0	0	23	14	23	25	27	17	23	0	9
8	0	0	0	20	15	24	26	29	24	17	0	9
9	0	0	8	18	15	25	23	29	27	19	0	12
10	0	0	16	21	14	25	26	30	26	9	2	15
11	0	0	22	21	22	25	28	24	24	6	8	14
12	0	0	24	19	30	27	29	22	19	10	11	0
13	0	0	20	22	29	27	26	22	17	15	15	4
14	0	0	20	22	27	27	18	23	18	16	11	10
15	0	5	9	22	26	24	16	24	17	18	0	6
16	0	14	2	22	12	26	22	25	19	21	0	1
17	0	13	0	25	15	29	23	27	24	20	1	6
18	0	0	0	25	20	30	24	29	25	5	5	16
19	0	0	0	17	21	32	24	30	25	0	0	18
20	0	6	7	19	24	33	24	25	26	6	0	13
21	0	0	9	19	23	30	24	23	26	11	0	13
22	10	0	5	22	10	29	28	27	21	14	7	0
23	12	0	7	25	6	29	28	26	16	17	7	0
24	10	0	17	24	15	28	27	26	16	20	16	0
25	11	0	14	8	21	30	29	26	21	3	9	0
26	12	0	18	18	26	29	30	28	22	4	11	0
27	0	0	12	10	29	29	29	27	24	4	10	0
28	0	0	16	8	30	30	28	24	3	4	0	0
29	0		18	10	28	28	26	25	1	6	0	0
30	0		16	16	25	27	27	25	4	9	5	0
31	9		16		27		29	26		13		0
Total	71	54	332	568	611	779	797	821	562	396	128	154

