



*Auburn University*

1966

LOCAL CLIMATOLOGICAL DATA

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in cooperation with

AGRICULTURAL EXPERIMENT STATION  
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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 langley's (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, 1966

Date	Air Temperature			Precip.	Solar radiation	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean				
1	68	48	58	-	251	.08	40.6
2	70	58	64	.30	265	.04	72.3
3	60	57	59	.59	75	.02	50.1
4	53	46	50	.16	44	.08	92.8
5	48	44	46	1.44	39	.01	104.3
6	58	40	49	-	129	-	48.8
7	61	32	47	-	331	.07	59.7
8	44	29	37	-	333	.16	70.8
9	53	23	38	-	336	.10	88.5
10	63	37	50	-	362	.06	47.7
11	60	36	48	-	343	.12	80.1
12	56	36	46	-	255	.16	91.2
13	52	42	47	.32	110	.10	82.0
14	51	45	48	.80	64	.01	56.6
15	47	37	42	.91	72	-	130.6
16	53	34	44	.03	51	.08	67.2
17	50	28	39	-	376	.01	113.0
18	46	29	38	-	279	.11	24.0
19	40	24	32	-	293	-	62.5
20	43	32	38	-	182	-	92.4
21	46	35	41	.13	120	.08	76.2
22	40	33	37	.30	41	.08	107.0
23	37	25	31	-	297	-	126.8
24	40	23	32	-	217	-	79.2
25	36	32	34	.51	63	-	38.1
26	39	28	34	.12	97	.01	107.6
27	45	22	34	-	371	-	125.1
28	53	26	40	-	368	-	43.5
29	40	5	23	.33	93	-	61.7
30	23	1	12	-	400	-	176.6
31	40	13	27	-	302	-	61.0
Total	1515	1000	1267	5.94	6559	*1.61	2478.0
Avg.	48.9	32.3	40.9				79.9

\* 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, 1966

Date	Air Temperature			Precip.	Solar radiation	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean				
1	55	33	44	.15	64	-	63.2
2	36	27	32	-	167	-	106.0
3	42	22	32	-	401	-	91.6
4	40	21	31	-	391	-	76.2
5	47	20	34	-	421	-	85.7
6	55	23	39	-	431	-	28.1
7	64	29	47	-	341	.06	24.4
8	67	41	54	-	376	.19	30.4
9	71	52	62	-	288	.08	91.5
10	69	56	63	.96	112	.16	164.4
11	59	55	57	.07	61	.23	131.2
12	63	54	59	2.47	35	.07	30.8
13	60	40	50	1.20	102	-	141.7
14	64	40	52	-	425	.02	51.1
15	57	50	54	.29	60	.13	38.5
16	61	51	56	1.91	65	.06	81.2
17	51	39	45	-	330	-	79.8
18	48	40	44	-	79	.18	112.5
19	61	35	48	-	444	.10	67.5
20	65	39	52	-	454	.13	60.3
21	64	36	50	-	514	.12	108.0
22	62	38	50	-	380	.14	58.0
23	47	35	41	.10	97	.17	90.0
24	42	35	39	.15	75	-	106.9
25	52	35	44	-	417	.03	42.8
26	60	33	47	-	351	.13	56.6
27	48	40	44	.27	61	.09	68.4
28	58	41	50	1.33	199	.17	117.1
Total	1568	1060	1320	8.90	7141	*2.43	2203.9
Avg.	56.0	37.9	47.1				78.7

\* 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, 1966

Date	Air Temperature			Precip.	Solar radiation	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean				
1	61	44	53	-	478	.06	102.8
2	66	43	55	.23	314	.16	57.0
3	66	52	59	2.85	89	-	113.0
4	68	40	54	.68	194	-	116.0
5	46	30	38	-	429	.17	65.1
6	42	29	36	-	437	.15	142.9
7	48	25	37	-	570	.07	59.4
8	52	28	40	-	449	.18	87.7
9	58	32	45	-	515	.06	44.5
10	62	36	49	-	524	.18	63.9
11	71	43	57	-	508	.17	48.3
12	73	45	59	-	400	.19	39.9
13	68	56	62	-	260	.17	47.2
14	64	56	60	.64	192	.02	71.9
15	70	57	64	.03	311	.06	75.4
16	62	50	56	-	150	.09	54.4
17	67	49	58	-	423	.05	68.2
18	73	46	60	-	475	.18	56.1
19	72	45	59	.10	587	.19	68.3
20	76	43	61	-	552	.26	46.0
21	79	53	66	-	516	.17	40.5
22	76	54	65	-	468	.18	57.0
23	76	51	64	.30	383	.19	66.7
24	55	33	44	-	610	.27	119.7
25	58	30	44	-	546	.20	92.6
26	57	41	49	-	304	.20	45.4
27	67	37	52	-	615	.08	47.0
28	61	41	51	-	529	.27	97.7
29	61	36	49	-	437	.19	91.1
30	71	35	53	-	580	.16	46.5
31	78	43	61	-	582	.27	90.5
Total	2004	1303	1660	4.83	13427	*4.62	2222.7
Avg.	64.6	42.0	53.5				71.7

\* 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, 1966

Date	Air Temperature			Precip.	Solar		Wind m/d 2.5 ft.
	Max.	Min.	Mean		radiation	Evaporation	
1	80	52	66	-	563	.28	73.1
2	68	42	55	-	624	.30	120.7
3	77	41	59	-	443	.26	73.8
4	65	58	62	-1.12	469	.31	133.4
5	62	35	49	-	585	.28	89.3
6	63	34	49	-	544	.17	119.9
7	72	44	58	-	528	.24	36.8
8	79	48	64	-	627	.22	77.9
9	67	53	60	-	592	.40	118.6
10	65	37	51	-	658	.30	88.6
11	75	49	62	-	664	.18	37.1
12	80	48	64	-	573	.25	81.0
13	85	60	73	-	447	.27	80.8
14	69	54	62	-	255	.23	75.7
15	65	51	58	.05	346	.12	61.1
16	75	46	61	-	590	.11	28.8
17	71	47	64	-	632	.21	32.9
18	78	52	65	-	506	.22	29.5
19	70	62	66	-	155	.34	119.1
20	80	60	70	-	458	.11	86.0
21	83	62	73	-	501	.22	51.9
22	80	64	72	1.55	356	.21	51.4
23	80	60	70	-	598	.16	43.9
24	79	55	67	-	435	.31	53.7
25	79	62	71	.02	378	.16	60.4
26	81	65	73	-	417	.11	60.5
27	75	64	70	.93	296	.16	101.0
28	81	63	72	-	562	.21	50.1
29	82	62	72	-	598	.17	30.8
30	83	64	74	-	551	.25	51.1
Total	2259	1594	1932	2.67	14951	6.76	2118.9
Avg.	75.3	53.1	64.4				70.6

Table 5. Daily temperatures, precipitation, solar radiation, evaporation, and miles of wind per day for May, 1966

Date	Air Temperature			Precip.	Solar radiation	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean				
1	84	63	74	.03	574	.19	40.7
2	76	66	71	.02	517	.24	50.1
3	79	58	69	-	596	.25	98.5
4	82	58	70	-	630	.30	78.3
5	81	58	70	-	630	.30	69.0
6	74	59	67	-	323	.33	64.9
7	82	56	69	-	591	.15	24.4
8	82	59	71	-	546	.28	55.1
9	88	58	73	-	571	.18	38.3
10	72	42	57	-	640	.43	131.5
11	71	49	60	-	475	.24	74.1
12	80	64	72	.13	432	.17	84.5
13	73	65	69	1.05	165	.12	63.8
14	77	63	70	-	659	.22	36.2
15	81	51	66	-	673	.22	65.9
16	78	58	68	.77	235	.20	19.7
17	79	63	71	.01	481	.19	51.3
18	80	64	72	1.30	294	.16	40.7
19	79	63	71	.18	318	.23	32.3
20	83	67	75	-	507	.12	19.3
21	79	68	74	.48	296	.26	37.4
22	84	68	76	1.12	601	-	43.0
23	78	65	72	-	497	-	41.2
24	74	62	68	-	324	.24	74.5
25	78	61	70	-	467	.14	54.4
26	78	65	72	-	397	.13	62.0
27	79	65	72	.03	386	.15	41.2
28	85	63	74	-	520	.15	28.5
29	87	64	76	-	648	.26	32.2
30	86	65	76	-	691	.29	34.5
31	77	55	66	-	686	.31	69.6
Total	2466	1885	2181	5.12	15370	*6.52	1657.1
Avg.	79.5	60.8	70.4				53.5

\* Evap. adjusted for full month

- No precipitation or missing data

Table 6. Daily temperatures, precipitation, solar radiation, evaporation, and miles of wind per day for June, 1966

Date	Air Temperature			Precip.	Solar radiation	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean				
1	77	50	64	-	695	.34	106.3
2	81	55	68	-	686	.34	68.2
3	82	54	68	-	638	.27	28.6
4	83	60	72	-	582	.31	35.3
5	83	59	71	-	598	.31	37.3
6	88	61	75	-	602	.24	29.6
7	90	65	78	-	638	.25	23.1
8	92	65	79	-	548	.31	38.8
9	74	69	72	.33	310	.28	61.9
10	88	65	77	-	626	.03	156.2
11	86	64	75	-	539	.11	51.4
12	85	68	77	-	618	.26	67.9
13	87	64	76	-	556	.26	33.3
14	83	69	76	.07	294	.08	31.3
15	88	67	78	-	499	.08	21.4
16	80	69	75	.50	329	.34	41.2
17	85	66	76	.33	587	.18	37.2
18	80	68	74	1.12	399	.24	16.9
19	80	66	73	-	545	-	74.3
20	81	63	72	-	643	.19	44.8
21	84	62	73	-	620	.30	49.8
22	85	63	74	-	642	.33	55.5
23	86	62	74	-	675	.33	45.8
24	89	62	76	-	656	.32	36.5
25	91	66	79	-	462	.36	20.0
26	92	68	80	-	452	.22	21.4
27	93	69	81	-	555	.20	22.8
28	92	68	80	-	528	.38	29.3
29	92	69	81	-	540	.14	17.6
30	90	67	79	.38	578	.31	35.8
Total	2567	1923	2253	2.73	16640	*7.37	1339.5
Avg.	85.6	64.1	75.1				44.7

\* 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, 1966

Date	Air Temperature			Precip.	Solar radiation	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean				
1	77	67	72	.20	306	.36	55.3
2	85	69	77	.30	553	.12	56.9
3	89	67	78	-	635	.21	11.9
4	89	69	79	-	623	.27	22.4
5	91	68	80	-	583	.26	32.1
6	90	68	79	-	560	.28	51.7
7	94	71	83	-	593	.24	332.5
8	93	69	81	-	633	.30	35.2
9	96	71	84	-	661	.33	34.4
10	97	71	84	-	623	.31	27.0
11	96	70	83	-	602	.29	19.6
12	99	72	86	-	615	.26	17.3
13	97	73	85	-	528	.36	29.9
14	101	77	89	-	466	.30	26.5
15	94	71	83	.50	616	.35	52.8
16	89	69	79	.64	554	.35	40.0
17	84	69	77	.05	278	.31	20.9
18	89	71	80	.10	472	-	25.7
19	90	70	80	-	432	.20	16.2
20	92	72	82	-	421	.19	17.5
21	90	70	80	-	579	.20	29.6
22	87	70	79	-	457	.25	49.2
23	88	69	79	-	695	.30	59.3
24	90	67	79	-	655	.32	54.6
25	88	70	79	-	532	.32	61.6
26	90	72	81	-	472	.23	54.6
27	94	71	83	-	454	.20	20.8
28	94	69	82	.08	452	.26	29.8
29	95	71	83	-	587	.20	26.1
30	83	72	78	-	282	.34	52.7
31	87	64	76	-	560	.13	48.9
Total	2818	2169	2500	1.87	16479	*7.97	1116.1
Avg.	90.9	70.0	80.6				36.0

\* Evap. adjusted for full month

- No precipitation or missing data

Table 8. Daily temperatures, precipitation, solar radiation, evaporation, and miles of wind per day for August, 1966

Date	Air Temperature			Precip.	Solar radiation	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean				
1	89	64	77	-	613	.19	17.4
2	91	64	78	-	573	.29	20.1
3	87	70	79	1.00	252	.30	35.0
4	84	69	77	2.25	354	-	40.8
5	85	69	77	-	462	.17	16.0
6	83	70	77	.15	437	.15	13.5
7	85	67	76	-	470	.17	23.8
8	85	69	77	-	378	.09	11.7
9	89	69	79	.53	477	.13	21.7
10	83	69	76	.07	273	.22	23.0
11	88	70	79	.04	503	.14	34.7
12	87	71	79	.13	475	.15	34.5
13	88	68	78	-	498	.24	32.2
14	91	71	81	-	582	.21	13.1
15	92	71	82	-	499	.19	15.1
16	92	70	81	-	553	.26	17.4
17	89	69	79	-	457	.25	25.9
18	90	68	79	-	537	.18	17.5
19	88	68	78	-	473	.28	21.4
20	90	69	80	-	568	.17	23.0
21	92	70	81	-	560	.27	26.8
22	92	72	82	.01	392	.26	21.9
23	87	72	80	-	564	.20	24.9
24	87	60	74	-	552	.32	58.6
25	86	64	75	-	505	.28	60.6
26	87	62	75	-	610	.20	41.4
27	89	64	77	-	531	.27	34.6
28	88	66	77	-	511	.27	21.4
29	88	70	79	-	538	.25	25.1
30	88	68	78	-	426	.25	30.9
31	89	67	78	-	419	.23	30.6
Total	2729	2110	2425	4.18	15042	*6.59	834.6
Avg.	88.0	68.1	78.2				26.9

\* 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, 1966

Date	Air Temperature			Precip.	Solar radiation	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean				
1	91	68	80	-	515	.22	33.2
2	93	64	79	-	526	.25	15.8
3	94	68	81	-	461	.28	16.9
4	94	71	83	.03	532	.23	27.2
5	90	70	80	-	430	.29	43.9
6	91	68	80	-	458	.26	28.0
7	91	65	78	-	556	.27	38.8
8	87	68	78	-	389	.32	65.4
9	85	66	76	-	542	.23	54.9
10	84	61	73	-	543	.32	37.2
11	84	64	74	-	403	.28	42.4
12	87	67	77	.68	488	.14	40.2
13	85	67	76	4.70	363	-	63.7
14	83	64	74	.05	382	.10	16.7
15	83	62	73	-	378	.14	23.0
16	80	62	71	.10	357	.15	52.1
17	72	65	69	.12	165	.17	42.7
18	73	66	70	.01	147	.01	52.6
19	79	69	74	.85	308	.16	31.8
20	82	65	74	-	417	.03	28.5
21	74	59	67	-	474	.20	24.8
22	75	57	66	-	286	.24	31.0
23	83	56	70	-	497	.04	20.9
24	84	58	71	-	542	.22	27.1
25	85	54	70	-	540	.17	12.5
26	86	60	73	-	492	.17	15.4
27	85	63	74	-	376	.18	15.3
28	83	68	76	.86	349	.15	24.1
29	79	66	73	-	492	.15	25.2
30	83	57	70	-	388	.19	25.1
Total	2525	1918	2230	7.40	12796	*5.57	976.4
Avg.	84.2	63.9	74.3				32.5

\* 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, 1966

Date	Air Temperature			Precip.	Solar radiation	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean				
1	74	47	61	.12	223	.23	72.9
2	70	45	58	-	568	.16	71.2
3	75	52	64	-	514	.09	48.0
4	81	55	68	-	478	.15	41.2
5	78	58	68	-	375	.11	14.4
6	74	49	62	-	509	.24	76.8
7	73	52	63	-	422	.19	59.9
8	81	58	70	-	447	.23	53.1
9	75	67	71	3.00	83	.12	41.7
10	85	68	77	.04	358	-	19.1
11	77	47	62	-	487	.11	35.1
12	80	53	67	-	456	.21	34.1
13	70	56	63	.19	215	.17	24.1
14	79	60	70	-	371	.12	31.6
15	79	68	74	.56	202	.08	55.6
16	80	62	72	-	431	.24	38.7
17	75	55	65	-	441	.17	37.4
18	73	57	65	1.38	86	.16	32.5
19	59	43	51	-	251	.16	58.2
20	64	40	52	-	427	.13	61.5
21	65	46	56	-	279	.13	37.4
22	72	55	64	-	257	.13	53.8
23	75	63	69	.81	198	.05	28.6
24	68	58	63	.59	135	-	42.6
25	73	55	64	-	280	.01	18.6
26	65	53	59	-	147	.13	43.6
27	70	47	59	-	396	.04	44.7
28	73	46	60	-	394	.13	24.1
29	77	47	62	-	411	.18	29.4
30	74	51	63	-	373	.19	47.6
31	75	50	63	-	400	.06	23.1
Total	2289	1663	1985	6.69	10614	*4.14	1300.6
Avg.	73.8	53.6	64.0				42.0

\* Evap. adjusted for full month

- No precipitation or missing data

Table 11. Daily temperatures, precipitation, solar radiation, evaporation, and miles of wind per day for November, 1966

Date	Air Temperature			Precip.	Solar radiation	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean				
1	72	48	60	.30	255	.10	11.1
2	49	31	40	.27	31	.15	74.8
3	47	25	36	-	391	-	106.3
4	61	29	45	-	383	.07	45.1
5	65	34	50	-	336	.14	20.3
6	73	40	57	-	365	.09	19.0
7	75	46	61	-	368	.06	12.6
8	75	56	66	-	266	.12	31.6
9	70	60	65	.38	83	.09	41.9
10	76	62	69	1.24	102	.01	86.7
11	69	63	66	.42	63	-	52.2
12	75	62	69	.06	263	.11	42.6
13	61	52	57	-	107	.08	41.3
14	66	48	57	-	392	.04	55.8
15	68	44	56	-	361	.15	44.8
16	71	45	58	-	354	.16	27.9
17	75	50	63	-	353	.15	40.3
18	75	45	60	-	327	.12	20.8
19	76	52	64	-	289	.12	14.4
20	66	46	56	-	334	.16	63.3
21	64	45	55	-	320	.11	59.3
22	61	43	52	-	319	.13	69.4
23	65	38	52	-	332	.11	62.7
24	71	41	56	-	341	.16	37.1
25	73	40	57	-	334	.09	50.7
26	73	52	63	-	260	.11	29.8
27	62	52	57	.17	72	.09	30.4
28	49	38	44	.02	355	.10	104.4
29	50	30	40	-	341	.19	127.3
30	58	32	45	-	311	.12	88.8
Total	1991	1349	1676	2.86	8408	* 3.15	1512.7
Avg.	66.4	45.0	55.9				50.4

\* 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, 1966

Date	Air Temperature			Precip.	Solar radiation	Evaporation	Wind m/d 2.5 ft.
	Max.	Min.	Mean				
1	62	29	46	-	323	.10	42.9
2	67	35	51	-	308	.09	44.0
3	53	39	46	.02	145	.13	48.8
4	50	32	41	-	322	.07	75.2
5	54	31	43	-	286	.10	75.6
6	65	44	55	-	258	.11	59.7
7	73	45	59	.03	244	.07	66.0
8	74	54	64	-	166	.07	56.4
9	71	58	65	1.14	107	.13	88.2
10	62	42	52	.35	198	.11	86.6
11	46	36	41	-	132	.14	104.7
12	46	35	41	.12	71	.01	100.3
13	45	34	40	-	110	-	80.1
14	48	33	41	-	311	.08	77.0
15	60	27	44	-	333	.09	41.7
16	60	33	47	-	331	.10	27.7
17	59	42	51	-	160	.06	27.0
18	63	44	54	-	316	.04	38.1
19	61	38	50	-	361	.03	33.3
20	59	39	49	-	271	.11	38.5
21	65	35	50	-	289	.06	28.6
22	68	44	56	-	269	.05	22.0
23	62	32	47	.45	102	.04	21.4
24	39	24	32	-	326	-	123.0
25	45	19	32	-	327	-	59.4
26	56	29	43	-	301	.04	22.3
27	58	42	50	.04	188	.09	19.4
28	60	46	53	1.84	43	.10	70.6
29	45	30	38	.02	335	-	90.0
30	45	31	38	.09	155	.09	66.3
31	46	37	42	.69	82	.06	43.9
Total	1767	1139	1461	4.79	7170	*2.24	1748.7
Avg.	57.0	36.7	47.1				56.4

\* Evap. adjusted for full month

- No precipitation or missing data

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

Date	Temperature			Precip. Average (Inches)	Evap. Average (Inches)
	Av. Daily Max.	Av. Daily Min.	Average (F)		
January	59.0	38.9	49.0	4.80	2.23
February	61.6	40.5	51.1	5.25	2.70
March	67.8	45.7	56.8	6.13	4.23
April	75.4	52.8	64.1	4.37	5.95
May	83.3	60.4	71.9	3.55	7.70
June	89.5	67.7	78.6	4.06	7.13
July	90.0	69.9	80.0	5.34	7.46
August	89.7	69.4	79.6	4.71	6.60
September	86.7	65.4	76.1	3.20	5.80
October	77.9	54.7	66.3	2.58	4.34
November	66.7	44.3	55.5	3.48	4.07
December	58.9	39.3	49.1	5.13	2.44
Year	75.5	54.1	64.8	52.60	60.65

\* Evaporation based on data from 1947 through 1950 and 1964-66.

Table 14. Six Hourly Temperature and Relative Humidity, January 1966

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	54	97	51	98	64	72	64	82	58.3	87.3
2	60	94	61	92	67	74	64	86	63.0	86.5
3	58	98	57	98	60	91	52	67	56.8	88.5
4	50	78	51	74	48	96	46	97	48.8	86.3
5	46	97	46	97	45	98	47	99	46.0	97.8
6	48	100	50	100	54	78	48	82	50.0	90.0
7	40	88	33	100	59	44	50	58	45.5	72.5
8	42	82	34	77	41	40	35	40	38.0	59.8
9	29	56	24	70	49	30	40	42	35.5	49.5
10	38	50	40	72	60	58	54	62	48.0	60.5
11	46	94	37	70	57	24	47	40	46.8	57.0
12	40	44	35	56	52	36	48	46	43.8	45.5
13	44	55	42	91	51	76	48	98	46.3	80.0
14	49	98	45	96	49	94	46	94	47.3	95.5
15	47	94	43	94	41	86	38	86	42.3	90.0
16	37	86	40	92	52	56	40	70	42.3	76.0
17	33	76	27	79	46	28	40	42	36.5	56.3
18	32	50	31	54	44	46	37	64	36.0	53.5
19	28	80	25	78	40	37	36	40	32.3	58.8
20	32	50	34	54	40	42	40	44	36.5	47.5
21	35	50	37	50	44	46	44	50	40.0	49.0
22	36	97	38	96	40	95	39	81	38.3	92.3
23	33	76	30	68	35	58	30	70	32.0	68.0
24	25	74	24	74	38	48	34	63	30.3	64.8
25	34	63	34	64	35	97	35	96	34.5	80.0
26	33	96	33	94	36	93	35	70	34.3	88.3
27	28	50	23	60	40	38	37	42	32.0	47.5
28	30	70	28	80	49	39	39	61	36.5	62.5
29	40	52	38	88	39	87	19	66	34.0	73.3
30	5	50	2	52	19	41	18	44	11.0	46.8
31	14	69	13	66	32	32	36	36	23.8	50.8
Avg.	37.6	74.6	35.7	78.5	46.0	60.6	41.5	65.1		

Table 15. Six Hourly Temperature and Relative Humidity, February 1966

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	35	54	36	72	52	54	52	96	43.8	69.0
2	42	76	36	71	34	60	31	58	35.8	66.3
3	27	68	22	88	38	49	35	46	30.5	62.8
4	26	67	22	86	36	50	34	46	29.5	62.3
5	28	37	20	76	40	23	38	26	31.5	40.5
6	26	51	23	80	51	21	44	25	36.0	44.3
7	31	60	29	82	59	42	52	49	42.8	58.3
8	42	64	45	44	62	44	57	56	51.5	52.0
9	53	68	52	78	68	48	62	62	58.8	64.0
10	57	85	55	90	66	52	58	97	59.0	81.0
11	57	92	56	94	58	86	55	96	56.5	92.0
12	54	96	54	95	58	95	62	96	57.0	95.5
13	58	96	46	78	49	80	47	55	50.0	77.3
14	40	65	40	96	60	43	57	59	49.3	65.8
15	50	92	50	98	54	95	54	91	52.0	94.0
16	55	94	55	98	59	99	58	98	56.8	97.3
17	50	86	40	72	47	32	45	36	45.5	56.5
18	40	42	40	49	47	54	45	62	43.0	51.8
19	43	62	36	84	58	30	53	32	47.5	52.0
20	43	48	38	60	60	32	55	37	49.0	44.3
21	40	53	36	63	59	43	53	64	47.0	55.8
22	44	82	38	84	58	45	54	47	48.5	64.5
23	47	53	41	50	40	98	36	95	41.0	74.0
24	36	96	35	99	39	92	41	93	37.8	95.0
25	38	94	37	94	48	52	43	58	41.5	74.5
26	36	81	35	82	60	29	48	70	44.8	65.5
27	48	56	40	86	44	93	44	98	44.0	83.3
28	45	97	42	94	51	95	55	86	48.3	93.0
Avg.	42.5	72.0	39.3	80.1	52.0	58.4	48.9	65.5		

Table 16. Six Hourly Temperature and Relative Humidity, March 1966

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	80	44	64	57	35	50	53	50.0	58.0
2	46	50	45	50	62	43	59	48	53.0	47.8
3	52	93	55	97	61	90	59	96	56.8	94.0
4	65	94	62	96	64	42	49	95	60.0	81.8
5	40	74	35	64	44	31	39	34	39.5	50.8
6	30	56	30	62	40	43	35	48	33.8	52.3
7	29	63	28	80	45	34	43	36	36.3	53.3
8	34	52	30	60	48	34	47	40	39.8	46.5
9	38	52	34	56	53	28	50	34	43.8	42.5
10	41	46	37	52	58	27	54	38	47.5	40.8
11	47	42	43	54	68	40	60	54	54.5	47.5
12	48	86	50	86	72	38	63	56	58.3	66.5
13	60	63	57	86	62	80	62	54	60.3	70.8
14	56	94	56	94	63	82	60	94	58.8	91.0
15	60	96	58	96	67	67	65	74	62.5	83.3
16	56	96	56	91	60	72	58	78	57.5	84.3
17	51	93	50	74	63	46	59	69	55.8	70.5
18	53	64	48	78	71	40	67	52	59.8	58.5
19	61	77	57	94	70	28	62	22	62.5	55.3
20	46	73	46	88	76	28	66	46	58.5	58.8
21	59	64	54	95	75	46	67	62	63.8	66.8
22	60	84	57	96	74	38	70	42	65.3	65.0
23	59	72	53	94	73	39	62	88	61.8	73.3
24	50	93	43	72	52	29	45	32	47.5	56.5
25	34	63	34	62	54	24	49	48	42.8	49.3
26	43	54	42	68	56	42	50	58	47.8	55.5
27	43	82	45	66	64	24	55	30	51.8	50.5
28	47	46	41	43	54	36	56	27	49.5	38.0
29	45	41	38	50	60	24	54	32	49.3	36.8
30	43	78	37	94	66	30	65	21	52.8	55.8
31	53	33	44	64	74	24	72	28	60.8	37.3
Avg.	48.3	69.5	45.5	75.0	61.5	41.4	56.5	51.3		

Table 17. Six Hourly Temperature and Relative Humidity, April 1966

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	59	52	53	75	76	40	69	32	64.3	49.8
2	55	32	45	45	65	24	62	28	56.8	32.3
3	42	68	46	72	74	44	71	68	58.3	63.0
4	67	85	60	97	64	64	54	51	61.3	74.3
5	43	56	39	78	59	30	55	28	49.0	48.0
6	42	66	38	72	59	26	57	27	49.0	47.8
7	45	83	50	78	67	36	66	38	57.0	58.8
8	57	68	55	78	76	26	72	28	65.0	50.0
9	56	82	53	62	64	27	59	34	58.0	51.3
10	45	45	42	69	62	25	54	48	50.8	46.8
11	42	86	50	58	69	28	69	32	57.5	51.0
12	56	71	54	96	74	40	74	34	64.5	60.3
13	61	87	64	94	80	54	80	43	71.3	69.5
14	64	82	60	78	68	52	60	97	63.0	77.3
15	55	98	54	94	62	64	60	70	57.8	81.5
16	52	96	49	98	73	26	69	36	60.8	64.0
17	52	84	54	90	80	21	74	28	65.0	55.8
18	56	74	57	72	77	37	72	41	65.5	56.0
19	65	60	63	70	69	54	63	86	65.0	67.5
20	61	84	61	88	88	54	76	51	71.5	69.3
21	65	83	63	96	80	46	77	56	71.3	70.3
22	69	85	67	92	79	56	68	97	70.8	82.5
23	65	96	63	92	78	42	73	66	69.8	74.0
24	64	80	60	88	76	43	72	60	68.0	67.8
25	64	76	63	95	87	63	70	91	71.0	81.3
26	66	96	66	96	78	50	70	68	70.0	77.5
27	65	90	65	94	72	92	66	96	67.0	93.0
28	63	96	66	96	77	64	72	84	69.5	85.0
29	65	92	67	94	79	56	73	78	71.0	80.0
30	67	92	67	91	80	52	76	64	72.5	74.8
Avg.	57.6	78.2	56.5	83.3	73.1	44.5	67.8	55.3		

Table 18. Six Hourly Temperature and Relative Humidity, May 1966

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	94	66	97	82	50	76	60	72.8	75.3
2	67	96	67	96	75	56	65	83	68.5	82.8
3	59	90	57	96	74	46	70	44	65.0	69.0
4	60	52	58	54	80	28	74	40	68.0	43.5
5	60	62	60	84	76	30	72	40	67.0	54.0
6	62	66	60	86	72	60	67	76	65.3	72.0
7	58	100	62	80	78	38	72	56	67.5	68.5
8	60	82	62	93	78	50	70	70	67.5	73.8
9	60	98	64	97	83	41	78	46	71.3	70.5
10	49	70	43	75	65	48	65	46	55.5	59.8
11	51	83	50	83	67	58	68	66	59.0	72.5
12	63	88	63	98	74	66	72	78	68.0	82.5
13	65	100	64	100	66	100	65	100	65.0	100.0
14	64	100	64	100	75	60	70	64	68.3	81.0
15	56	88	53	94	74	40	77	48	65.0	67.5
16	57	98	61	79	71	96	72	94	65.3	91.8
17	64	100	63	98	72	74	72	78	67.8	87.5
18	64	100	64	100	76	88	71	98	68.8	96.5
19	65	100	65	100	77	62	67	100	68.5	90.5
20	67	100	68	100	80	58	75	85	72.5	85.8
21	68	100	69	100	75	92	70	100	70.5	98.0
22	68	100	68	100	80	66	70	70	71.5	84.0
23	68	92	68	98	75	74	72	66	70.8	82.5
24	61	78	62	81	69	74	70	76	65.5	77.3
25	62	96	63	97	74	72	73	74	68.0	84.8
26	66	98	66	99	74	70	72	78	69.5	86.3
27	66	100	66	100	71	82	70	93	68.3	93.8
28	64	100	66	100	82	47	79	62	72.8	77.3
29	66	95	69	82	85	35	81	46	75.3	64.5
30	67	90	68	78	84	46	61	60	70.0	68.5
31	61	60	56	57	74	32	70	36	65.3	46.3
Avg.	62.4	89.5	62.4	90.4	75.4	59.3	71.2	68.8		

Table 19. Six Hourly Temperature and Relative Humidity, June 1966

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	54	54	53	60	74	40	72	34	63.3	47.0
2	58	48	58	56	77	28	75	34	67.0	41.5
3	55	86	61	82	80	42	77	44	68.3	63.5
4	63	74	64	94	82	40	78	50	71.8	64.5
5	66	76	66	85	81	41	79	42	73.0	61.0
6	64	76	67	90	83	43	82	50	74.0	64.8
7	66	99	66	88	87	35	85	40	76.0	65.5
8	70	90	69	94	89	44	76	72	76.0	75.0
9	73	86	70	95	72	92	72	86	71.8	89.8
10	70	94	72	90	87	56	76	58	76.3	74.5
11	65	86	67	90	80	63	80	72	73.0	77.8
12	73	92	72	88	81	52	80	50	76.5	70.5
13	68	86	69	68	84	44	77	70	74.5	67.0
14	72	92	70	100	80	76	74	96	74.0	91.0
15	70	99	70	100	84	60	76	82	75.0	85.3
16	71	99	70	100	70	100	75	97	71.5	99.0
17	71	100	68	100	84	54	72	98	73.8	88.0
18	69	100	70	100	68	97	74	78	70.3	93.8
19	67	99	68	92	79	58	74	76	72.0	81.3
20	66	99	68	74	80	48	76	60	72.5	70.3
21	66	74	65	84	81	36	76	50	72.0	61.0
22	67	68	66	80	82	35	80	42	73.8	56.3
23	68	62	67	78	84	39	80	48	74.8	56.8
24	65	90	70	94	86	34	86	44	76.8	65.5
25	70	77	71	67	89	46	83	64	78.3	63.5
26	71	92	74	92	91	42	80	70	79.0	74.0
27	70	100	72	94	90	40	80	65	78.0	74.8
28	72	86	71	92	89	45	84	54	79.0	69.3
29	72	94	72	90	90	48	84	56	79.5	72.0
30	72	80	70	94	89	40	84	54	78.8	67.0
Avg.	67.5	85.3	67.9	87.0	82.4	50.6	78.2	61.2		



Table 20. Six Hourly Temperature and Relative Humidity, July 1966

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	100	69	98	76	84	69	100	70.3	95.5
2	71	100	68	100	78	68	82	56	74.8	81.0
3	70	100	68	100	86	58	86	52	77.5	77.5
4	70	100	69	88	86	55	78	72	75.8	78.8
5	73	88	68	100	86	56	85	50	78.0	73.5
6	70	97	69	100	87	63	86	51	78.0	77.8
7	75	81	74	94	88	52	88	52	81.3	69.8
8	74	70	73	86	91	46	87	53	81.3	63.8
9	73	96	77	82	92	46	87	50	82.3	68.5
10	73	96	72	100	95	40	85	49	81.3	71.3
11	73	91	72	100	92	48	89	52	81.5	72.8
12	78	84	74	99	97	35	92	45	85.3	65.8
13	79	80	74	94	95	45	90	48	84.5	66.8
14	79	80	79	88	98	42	73	100	82.3	77.5
15	71	100	74	98	92	63	80	87	79.3	87.0
16	71	100	70	84	86	54	87	68	78.5	76.5
17	76	100	69	99	74	99	80	80	74.8	94.5
18	72	99	72	98	87	55	80	81	77.8	83.3
19	72	100	78	90	89	55	80	92	79.8	84.3
20	74	100	78	88	92	56	74	94	79.5	84.5
21	72	99	74	100	90	54	76	87	78.0	85.0
22	73	97	73	94	85	60	80	68	77.8	79.8
23	73	94	73	68	86	32	76	48	77.0	55.5
24	70	70	75	74	88	42	80	50	78.3	59.0
25	73	84	73	94	85	58	82	62	78.3	74.5
26	72	98	72	100	86	60	83	68	78.3	81.5
27	74	100	76	100	87	52	84	60	80.3	78.0
28	72	98	74	96	89	48	80	80	78.8	80.5
29	74	96	75	100	93	45	77	90	79.8	82.8
30	73	100	74	100	77	86	80	72	76.0	89.5
31	70	90	65	96	82	46	85	48	75.5	70.0
Avg.	72.8	92.5	72.6	93.8	87.6	54.9	82.0	66.6		

Table 21. Six Hourly Temperature and Relative Humidity, August 1966

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	95	64	99	86	45	84	50	75.3	72.3
2	71	78	66	98	88	41	82	48	76.8	66.3
3	72	79	72	100	85	57	70	100	74.8	84.0
4	70	100	70	100	76	94	73	80	72.3	93.5
5	70	100	70	100	82	70	78	90	75.0	90.0
6	72	100	72	100	72	99	76	86	73.0	96.3
7	70	100	68	100	79	78	80	86	74.3	91.0
8	72	97	70	100	80	85	73	95	73.8	94.3
9	70	100	70	100	85	62	78	84	75.8	86.5
10	69	100	70	100	82	74	74	95	73.8	92.3
11	71	100	71	100	84	64	74	96	75.0	90.0
12	71	100	73	100	86	62	74	99	76.0	90.3
13	70	100	72	100	86	60	81	86	77.3	86.5
14	74	99	73	100	90	54	88	56	81.3	77.3
15	74	100	71	100	88	62	83	80	79.0	85.5
16	73	100	72	100	92	58	74	94	77.8	88.0
17	71	100	70	100	87	66	76	86	76.0	88.0
18	70	100	72	100	88	54	80	79	77.5	83.3
19	71	100	71	100	85	56	78	90	76.3	86.5
20	70	100	74	100	89	53	82	85	78.8	84.5
21	74	100	78	82	92	48	82	82	81.5	78.0
22	74	100	75	100	89	52	78	93	79.0	86.3
23	75	100	73	100	86	48	77	58	77.8	76.5
24	65	88	63	96	84	53	79	64	72.8	75.3
25	70	86	66	94	86	50	75	80	74.3	77.5
26	67	90	65	97	85	38	75	64	73.0	72.3
27	67	82	68	93	87	41	78	57	75.0	68.3
28	69	82	72	82	88	48	78	76	76.8	72.0
29	71	96	71	82	86	43	80	67	77.0	72.0
30	71	74	68	96	86	45	79	60	76.0	68.8
31	70	84	67	96	88	48	82	53	76.8	70.3
Avg.	70.7	94.5	70.2	97.3	85.4	58.3	78.1	78.0		

Table 22. Six Hourly Temperature and Relative Humidity, September 1966

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	92	69	90	79	38	83	56	75.3	69.0
2	68	98	65	100	91	35	84	56	77.0	72.3
3	69	96	69	100	91	44	82	68	77.8	77.0
4	74	94	71	100	91	44	86	60	80.5	74.5
5	71	100	71	100	87	52	82	62	77.8	78.5
6	73	92	69	96	87	42	82	50	77.8	70.0
7	72	66	67	83	90	35	80	47	77.3	57.8
8	70	66	69	100	84	50	76	66	74.8	70.5
9	70	77	68	84	84	38	74	61	74.0	65.0
10	66	72	64	78	82	30	82	30	73.5	52.5
11	65	66	66	86	79	49	74	52	71.0	63.3
12	70	82	70	96	85	50	77	72	75.5	75.0
13	67	100	68	100	80	70	76	80	72.8	87.5
14	67	100	66	100	82	54	74	64	72.3	79.5
15	64	100	65	100	78	67	72	94	69.8	90.3
16	66	97	62	98	80	56	70	91	69.5	85.5
17	65	98	65	100	70	99	70	98	67.5	98.8
18	67	100	67	100	71	96	70	100	68.8	99.0
19	70	100	69	100	76	82	72	98	71.8	95.0
20	69	100	65	100	80	46	72	72	71.5	79.5
21	64	98	60	100	73	60	63	93	65.0	87.8
22	59	100	59	100	70	64	64	88	63.0	88.0
23	58	100	58	100	82	42	70	86	67.0	82.0
24	65	96	62	84	82	32	72	76	70.3	72.0
25	59	97	55	100	83	38	74	68	67.8	75.8
26	65	92	60	100	85	50	72	88	70.5	82.5
27	64	100	64	100	84	56	71	100	70.8	89.0
28	69	100	68	100	80	70	70	99	71.8	89.0
29	66	100	67	100	78	51	67	94	69.5	86.3
30	61	100	60	100	80	66	74	96	68.8	90.5
Avg.	66.8	92.6	65.3	96.5	81.5	53.5	74.5	75.5		

Table 23. Six Hourly Temperature and Relative Humidity, October 1966

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	73	100	68	99	58	100	55	84	63.5	95.8
2	48	99	46	90	66	38	57	72	54.3	74.8
3	56	66	52	78	71	55	64	89	60.8	72.0
4	60	88	56	100	78	54	68	93	65.5	83.8
5	60	100	60	99	76	66	65	52	65.3	79.3
6	54	58	50	68	72	40	60	70	59.0	59.0
7	52	90	55	72	70	40	65	62	60.5	66.0
8	62	60	58	85	78	58	73	80	67.8	70.8
9	69	91	68	100	72	100	71	100	70.0	97.8
10	68	100	70	100	84	60	72	84	73.5	86.0
11	56	65	47	77	74	28	61	52	59.5	55.5
12	57	60	53	65	77	30	60	88	61.8	60.8
13	60	60	57	87	61	89	62	94	60.0	82.5
14	61	98	61	100	77	64	72	75	67.8	84.3
15	68	96	68	99	76	74	71	100	70.8	92.3
16	69	100	62	99	78	58	68	88	69.3	86.3
17	58	78	54	72	74	36	60	88	61.5	68.5
18	60	63	62	70	71	100	69	100	65.5	83.3
19	57	100	52	100	55	56	48	80	53.0	84.0
20	43	99	41	100	62	40	52	69	49.5	77.0
21	48	72	47	85	62	50	57	79	53.5	71.5
22	55	90	56	96	69	74	65	97	61.3	89.3
23	66	92	63	100	73	74	68	95	67.5	90.3
24	64	100	63	100	67	99	63	100	64.3	99.8
25	60	100	60	100	71	64	62	90	63.3	88.5
26	56	100	54	100	62	69	56	99	57.0	92.0
27	53	99	50	100	69	37	53	94	56.3	82.5
28	47	100	46	100	72	34	58	58	55.8	73.0
29	52	70	48	80	75	27	60	63	58.8	60.0
30	56	72	51	92	73	47	58	89	59.5	75.0
31	55	83	50	100	72	50	58	93	58.8	81.5
Avg.	58.2	85.5	55.7	90.7	70.8	58.4	62.3	83.1		

Table 24. Six Hourly Temperature and Relative Humidity, November 1966

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	51	100	49	100	70	48	61	93	57.8	85.3
2	49	100	38	99	36	78	34	72	39.3	87.3
3	31	69	26	87	45	39	36	49	34.5	61.0
4	30	79	33	54	58	25	42	76	40.8	58.5
5	36	90	37	92	60	29	46	80	44.8	72.8
6	42	94	42	100	72	34	54	85	52.5	78.3
7	48	100	51	84	74	39	59	86	58.0	77.3
8	58	88	56	100	74	52	64	85	63.0	81.3
9	62	94	60	100	65	100	69	94	64.0	97.0
10	66	100	66	100	68	97	62	100	65.5	99.3
11	64	100	65	100	68	100	64	100	65.3	100.0
12	64	100	63	100	73	67	64	93	66.0	90.0
13	61	79	60	99	61	85	56	83	59.5	86.5
14	53	73	49	84	61	48	52	88	53.8	73.3
15	47	97	43	98	63	26	49	62	50.5	70.8
16	47	54	44	61	67	31	55	69	53.3	53.8
17	53	56	48	94	70	43	54	82	56.3	68.8
18	48	100	45	100	72	39	57	86	55.5	31.3
19	53	97	55	85	75	44	62	84	61.3	77.5
20	52	80	45	91	65	50	50	88	53.0	77.3
21	47	68	45	72	61	51	53	72	51.5	65.8
22	47	74	44	74	56	48	49	64	49.0	65.0
23	43	76	39	87	60	46	48	64	47.5	68.3
24	47	60	42	78	69	32	53	62	52.8	58.0
25	49	65	41	98	69	34	60	63	54.8	65.0
26	54	79	52	90	71	48	56	98	58.3	78.8
27	51	92	52	100	56	100	51	89	52.5	95.3
28	41	78	38	45	48	36	42	44	42.3	50.8
29	31	42	31	58	46	41	42	39	37.5	45.0
30	36	44	32	54	55	22	46	27	42.3	36.8
Avg.	48.7	80.9	46.4	86.1	62.9	51.1	53.0	75.9		

Table 25. Six Hourly Temperature and Relative Humidity, December 1966

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	48	30	70	59	24	44	54	42.8	49.0
2	40	85	36	84	65	36	54	55	48.8	65.0
3	52	68	45	94	49	67	45	77	47.8	76.5
4	39	94	32	50	46	24	39	32	39.0	50.0
5	38	34	30	45	49	44	47	62	41.0	46.3
6	46	68	44	91	62	66	60	74	53.0	74.8
7	59	78	56	100	69	68	66	74	62.5	80.0
8	58	100	54	100	70	70	68	66	62.5	84.0
9	63	94	60	100	69	77	69	76	65.3	86.8
10	57	100	57	100	62	76	45	88	55.3	91.0
11	42	88	40	86	42	80	42	80	41.5	83.5
12	36	94	43	86	45	78	42	99	41.5	89.3
13	40	100	39	96	42	83	39	69	40.0	87.0
14	34	76	33	78	44	58	38	76	37.3	72.0
15	30	100	31	85	57	32	44	60	40.5	69.3
16	37	76	32	94	57	34	42	74	42.0	69.5
17	44	50	42	58	56	65	51	74	48.3	61.8
18	48	83	43	100	61	47	50	78	50.5	77.0
19	46	95	38	100	58	44	50	58	48.0	74.3
20	45	80	39	100	54	62	49	68	46.8	77.5
21	41	95	35	100	63	48	53	90	48.0	83.3
22	47	100	45	100	63	68	52	93	51.8	90.3
23	53	100	53	100	57	100	53	90	54.0	97.5
24	32	92	27	70	37	43	30	56	31.5	65.3
25	24	94	20	100	43	27	37	38	31.0	64.8
26	33	77	31	70	52	26	47	35	40.8	52.0
27	45	44	43	50	54	30	49	74	47.8	49.5
28	50	69	48	100	55	100	54	100	51.8	92.3
29	46	96	31	74	42	46	36	60	38.8	69.0
30	32	69	31	71	45	36	41	76	37.3	63.0
31	38	100	39	100	44	100	45	100	41.5	100.0
Avg.	43.0	82.2	39.6	85.5	53.9	56.7	47.8	71.2		

Table 26. Soil Temperature and Wind, January 1966

Date	Soil Temperature						Wind at 12'	
	5 cm.		10 cm.		20 cm.		Prvl.	Miles
	Max.	Min.	Max.	Min.	Max.	Min.	dir.	per day
1	65	48	61	47	59	48	S	91
2	67	59	62	55	62	55	S	124
3	62	59	59	55	59	54	N	116
4	53	53	53	54	54	55	E	177
5	51	50	50	51	51	51	E	113
6	59	50	55	50	54	51	W	123
7	61	43	55	46	55	47	W	75
8	61	41	55	45	55	45	N	170
9	53	37	49	39	48	41	SE	79
10	60	36	53	38	52	39	N	87
11	59	42	54	42	52	43	NE	151
12	53	39	48	42	49	43	SE	128
13	53	40	48	40	49	42	E	109
14	53	45	50	45	51	46	NE	123
15	52	49	49	48	50	49	NE	122
16	59	46	52	46	50	46	NW	108
17	54	38	49	39	48	41	N	107
18	51	37	44	38	45	40	N	67
19	48	36	43	37	43	39	NE	117
20	46	35	40	35	42	37	E	99
21	46	38	42	38	42	38	E	147
22	44	40	42	39	42	39	NW	176
23	45	38	42	39	41	39	NW	175
24	41	35	37	37	37	37	N	55
25	40	35	38	35	38	35	NE	135
26	42	37	39	38	39	36	NW	200
27	47	35	41	36	40	37	W	116
28	53	35	47	35	45	36	W	54
29	45	36	42	36	42	37	NW	240
30	33	31	33	35	34	35	NW	198
31	34	30	33	33	34	33	SE	120
Total	1590	1273	1465	1293	1462	1314		3902
Avg.	51.3	41.1	47.3	41.7	47.2	42.4	NW	125.9

Table 27. Soil Temperature and Wind, February 1966

Date	Soil Temperature						Wind at 12'	
	5 cm.		10 cm.		20 cm.		Prvl. dir.	Miles per day
	Max.	Min.	Max.	Min.	Max.	Min.		
1	45	30	40	31	40	33	S	168
2	42	34	40	32	39	33	NW	186
3	49	36	42	37	41	37	NW	129
4	45	35	40	34	39	34	NW	147
5	50	35	42	35	41	34	N	73
6	55	35	47	35	45	35	SW	52
7	57	37	50	35	48	35	SE	52
8	61	37	54	38	52	37	SE	154
9	70	41	59	41	55	41	SE	281
10	61	51	58	50	55	48	SE	289
11	59	56	56	53	55	52	S	49
12	60	57	58	55	57	55	SE	151
13	55	53	53	54	54	55	W	193
14	68	48	60	47	58	48	S	63
15	57	48	54	46	54	47	E	118
16	60	54	55	52	57	52	SE	149
17	58	47	54	50	55	52	N	160
18	49	44	44	47	48	47	NE	137
19	65	43	57	44	56	46	N	85
20	65	43	58	44	56	45	N	148
21	66	40	59	44	56	45	NE	128
22	65	41	59	42	57	42	NE	142
23	48	43	46	44	47	46	E	206
24	47	43	45	44	45	45	NE	84
25	59	42	54	43	52	44	W	105
26	61	39	55	41	52	43	W	72
27	48	47	47	43	47	42	E	217
28	57	46	52	45	51	46	W	180
Total	1582	1205	1438	1206	1412	1219		3918
Avg.	56.5	43.0	51.4	43.1	50.4	43.5	SE	139.9



Table 28. Soil Temperature and Wind, March 1966

Date	Soil Temperature						Wind at 12'	
	5 cm.		10 cm.		20 cm.		Prvl. dir.	Miles per day
	Max.	Min.	Max.	Min.	Max.	Min.		
1	66	47	60	46	57	46	N	130
2	63	46	58	47	54	47	SE	162
3	64	46	59	46	58	47	SE	208
4	72	55	64	53	63	52	W	109
5	53	43	51	47	51	49	W	215
6	54	37	47	40	47	42	NW	148
7	57	37	50	39	49	40	NW	129
8	58	36	51	37	50	37	NE	87
9	61	36	54	37	53	38	E	119
10	65	38	58	38	55	39	E	117
11	69	42	62	41	59	42	SE	94
12	73	45	66	44	63	44	S	94
13	69	58	63	53	61	52	E	142
14	66	58	61	56	60	56	E	152
15	74	59	67	57	65	56	NE	97
16	62	59	60	58	59	57	E	123
17	71	53	66	54	64	55	E	129
18	75	51	68	53	65	54	S	114
19	75	53	69	52	68	53	W	102
20	77	52	70	54	68	56	W	78
21	79	57	72	56	70	55	S	90
22	78	59	71	57	69	57	S	118
23	74	57	70	59	67	60	S	157
24	67	51	64	54	63	56	NW	183
25	68	41	63	45	60	48	N	92
26	68	44	62	45	60	47	W	93
27	72	44	67	45	63	47	N	144
28	70	49	63	50	60	50	N	165
29	71	43	61	47	60	49	W	110
30	77	45	67	47	64	48	W	157
31	81	50	72	47	68	48	W	129
Total	2129	1491	1936	1504	1873	1527		3987
Avg.	68.7	48.1	62.5	48.5	60.4	49.3	W	128.6

Table 29. Soil Temperature and Wind, April 1966

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	54	76	56	72	53	W	197
2	80	53	73	56	69	58	NW	152
3	82	51	73	46	69	57	S	189
4	75	64	70	58	68	57	NW	177
5	69	47	65	51	63	53	W	138
6	67	46	63	49	61	52	W	133
7	72	49	67	49	65	51	W	157
8	78	58	72	52	69	53	W	172
9	77	58	71	55	69	56	N	177
10	79	47	72	52	68	55	N	102
11	82	50	73	53	70	55	S	132
12	87	56	77	53	74	55	S	123
13	89	60	80	59	77	57	SW	139
14	78	60	73	65	70	66	N	116
15	74	60	69	62	68	63	E	89
16	85	56	77	58	73	60	W	61
17	92	56	81	59	77	60	N	67
18	87	60	77	63	75	63	S	195
19	76	62	72	63	70	64	SE	198
20	88	65	80	65	77	66	SE	131
21	95	66	85	65	80	65	E	109
22	90	68	82	66	79	67	SE	94
23	87	66	81	67	79	69	S	104
24	84	64	77	66	75	68	S	110
25	84	68	78	68	75	69	S	91
26	87	69	79	67	77	68	S	154
27	80	69	75	69	73	70	S	129
28	89	67	82	68	78	69	SE	63
29	86	68	82	69	80	68	SE	98
30	88	70	82	69	81	70	S	86
Total	2471	1787	2264	1798	2181	1837		3883
Avg.	82.4	59.6	75.5	59.9	72.7	61.2	S	129.4

Table 30. Soil Temperature and Wind, May 1966

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	70	84	72	82	72	S	95
2	87	72	80	72	79	74	N	135
3	88	64	82	67	74	69	NE	164
4	90	62	86	65	80	68	NE	147
5	88	65	85	68	78	70	E	158
6	78	65	77	68	74	69	E	82
7	86	68	86	68	79	69	E	90
8	85	70	85	71	78	68	E	113
9	87	69	87	71	80	70	NW	209
10	83	65	83	67	76	69	E	166
11	78	65	78	67	73	68	SE	187
12	80	66	80	67	75	68	SE	155
13	73	69	73	70	71	70	S	95
14	81	68	81	69	75	69	NW	118
15	85	62	84	62	76	65	N	70
16	75	66	75	67	71	64	S	78
17	82	67	82	68	76	66	S	93
18	77	69	78	70	72	67	SW	96
19	81	69	80	70	74	68	N	54
20	87	71	86	72	80	69	E	55
21	82	74	82	74	76	70	S	93
22	87	73	87	74	80	73	N	81
23	80	70	82	72	77	72	E	147
24	76	66	76	68	73	68	E	107
25	79	68	80	69	75	67	NE	123
26	80	68	81	69	76	67	NE	112
27	81	71	80	72	76	70	N	63
28	86	70	86	70	80	71	N	85
29	95	69	91	70	83	71	N	82
30	97	70	94	72	85	73	N	134
31	90	65	90	66	82	70	N	192
Total	2594	2106	2561	2147	2386	2144		3579
Avg.	83.7	67.9	82.6	69.3	77.0	69.2	N	115.5

Table 31. Soil Temperature and Wind, June 1966

Date	Soil Temperature						Wind at 12'	
	5 cm.		10 cm.		20 cm.		Prvl. dir.	Miles per day
	Max.	Min.	Max.	Min.	Max.	Min.		
1	92	62	91	62	83	67	N	118
2	96	63	95	65	85	66	N	74
3	96	66	94	68	85	68	E	74
4	97	70	96	70	87	70	SE	89
5	96	71	95	72	87	73	SE	72
6	99	70	97	72	88	75	E	59
7	102	76	101	76	90	78	N	75
8	105	77	103	77	92	75	E	92
9	79	77	80	78	80	79	NE	266
10	97	73	94	73	85	74	NW	222
11	93	69	91	70	83	71	N	67
12	100	71	98	72	88	72	E	118
13	102	78	100	79	90	77	E	80
14	90	75	89	77	82	75	S	54
15	99	74	96	75	87	76	S	79
16	85	76	85	77	80	75	S	75
17	92	73	91	74	85	75	S	43
18	85	77	85	76	80	75	N	105
19	85	73	85	73	80	74	E	111
20	85	69	85	70	80	72	E	134
21	86	66	85	67	79	70	E	135
22	92	68	91	68	83	69	E	120
23	96	67	95	68	85	70	E	109
24	102	71	100	71	91	69	N	38
25	100	75	98	75	88	73	N	60
26	102	76	100	77	89	77	N	55
27	100	78	99	78	90	79	NE	70
28	102	78	101	78	92	76	E	46
29	104	79	102	78	93	78	E	65
30	103	77	101	78	93	79	E	102
Total	2862	2175	2823	2194	2580	2207		2837
Avg.	95.4	72.5	94.1	73.1	86.0	73.6	E	94.6

Table 32. Soil Temperature and Wind, July 1966

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	76	83	77	85	79	NE	131
2	91	75	91	76	85	76	SW	45
3	93	75	93	76	91	76	W	54
4	96	75	93	77	97	78	W	87
5	100	76	97	76	90	78	W	111
6	99	77	97	77	89	78	W	102
7	105	76	103	78	93	78	W	86
8	107	80	105	80	96	80	N	62
9	109	81	108	82	98	81	NE	68
10	111	83	109	83	95	84	N	44
11	107	82	106	83	100	85	W	40
12	111	84	109	84	100	83	N	49
13	107	86	105	86	98	85	W	57
14	110	87	108	87	99	88	-	-
15	103	81	100	81	93	83	-	-
16	100	80	99	81	93	82	-	-
17	87	79	86	78	84	81	-	-
18	93	79	92	78	86	79	-	-
19	94	78	93	78	86	78	-	-
20	99	79	96	79	88	78	-	-
21	102	76	100	77	90	79	NE	98
22	97	76	95	78	89	80	E	144
23	102	76	101	77	92	79	E	129
24	104	75	102	77	94	80	E	137
25	101	79	99	80	92	82	E	131
26	103	80	101	81	92	81	E	67
27	105	81	103	82	95	82	W	59
28	100	80	98	81	92	82	W	59
29	107	81	105	81	96	83	W	90
30	86	79	85	80	83	82	W	103
31	99	75	98	75	90	78	E	65
Total	3110	2447	3060	2466	2851	2498		
Avg.	100.3	78.9	98.7	79.5	92.0	80.6		

- Missing data

Table 33. Soil Temperature and Wind, August 1966

Date	Soil Temperature						Wind at 12'	
	5 cm.		10 cm.		20 cm.		Prvl. dir.	Miles per day
	Max.	Min.	Max.	Min.	Max.	Min.		
1	105	76	103	77	94	77	E	56
2	105	78	103	79	94	79	W	60
3	98	81	94	82	88	81	W	82
4	87	74	88	75	83	77	E	67
5	89	75	89	76	85	76	W	35
6	86	77	87	77	83	77	E	59
7	89	76	88	76	83	77	E	58
8	87	76	88	76	83	76	E	67
9	94	76	92	77	85	77	E	57
10	86	75	86	76	81	75	W	87
11	92	75	91	76	84	77	E	82
12	91	77	91	77	85	75	E	85
13	93	74	93	75	87	77	E	48
14	97	77	95	78	88	77	E	46
15	99	77	96	78	90	79	N	50
16	103	77	99	78	91	78	E	63
17	102	78	99	78	90	79	W	53
18	105	77	103	78	94	80	E	53
19	103	80	100	79	91	78	W	54
20	106	78	104	79	94	81	W	55
21	107	80	105	82	95	80	W	61
22	104	82	103	82	94	82	W	52
23	103	80	102	80	94	82	N	126
24	101	73	100	75	92	79	N	131
25	101	74	100	76	92	77	N	102
26	102	75	100	76	92	79	N	95
27	104	75	102	75	92	77	E	72
28	100	77	99	78	91	78	E	65
29	101	80	99	80	92	80	E	87
30	101	79	99	79	90	81	E	83
31	101	76	99	77	91	80	NE	84
Total	3042	2385	2997	2407	2768	2428		2175
Avg.	98.1	76.9	96.7	77.6	89.3	78.3	E	70.2

Table 34. Soil Temperature and Wind, September 1966

Date	Soil Temperature						Wind at 12'	
	5 cm.		10 cm.		20 cm.		Prvl. dir.	Miles per day
	Max.	Min.	Max.	Min.	Max.	Min.		
1	103	77	101	78	93	79	E	64
2	103	76	102	78	94	79	W	33
3	102	80	101	80	93	80	W	62
4	103	82	102	82	94	82	W	92
5	101	80	100	81	93	82	NW	89
6	101	80	100	80	93	82	N	81
7	103	76	102	78	94	81	N	134
8	97	77	97	79	89	81	E	133
9	97	77	97	77	90	80	E	114
10	96	73	95	74	88	78	E	102
11	92	75	91	76	85	78	E	98
12	98	76	96	76	89	78	E	150
13	86	73	86	74	82	75	W	68
14	84	73	84	74	79	75	W	67
15	82	71	83	72	79	73	W	81
16	85	69	84	70	79	71	E	106
17	74	69	74	70	74	71	E	125
18	74	71	75	72	73	72	E	134
19	78	71	80	72	76	70	W	73
20	85	72	85	72	80	72	W	62
21	80	69	81	68	76	71	W	75
22	77	65	77	66	73	67	W	63
23	83	63	83	64	77	66	W	58
24	87	64	86	65	79	66	N	52
25	90	64	89	66	81	68	W	37
26	92	69	90	69	83	70	W	36
27	91	70	89	71	82	71	W	56
28	87	73	87	73	81	72	E	59
29	83	73	84	74	80	74	W	74
30	83	66	83	68	84	70	W	95
Total	2697	2174	2684	2199	2513	2234		2473
Avg.	89.9	72.5	89.5	73.3	83.8	74.5	W	82.4

Table 35. Soil Temperature and Wind, October 1966

Date	Soil Temperature						Wind at 12'	
	5 cm.		10 cm.		20 cm.		Prvl. dir.	Miles per day
	Max.	Min.	Max.	Min.	Max.	Min.		
1	72	69	73	70	74	69	N	153
2	73	55	74	56	70	61	E	141
3	77	58	78	58	72	61	E	114
4	84	57	83	58	76	60	E	64
5	80	63	80	64	75	62	N	118
6	82	57	81	58	74	62	NE	149
7	78	57	78	59	73	60	E	115
8	89	59	87	62	78	63	E	124
9	76	66	76	67	73	65	E	59
10	86	72	85	73	78	72	W	84
11	77	60	77	60	73	64	N	93
12	78	58	78	59	72	62	E	83
13	71	58	71	60	68	61	E	70
14	77	62	77	63	73	64	E	131
15	76	65	76	65	73	64	E	112
16	83	68	82	69	76	69	N	92
17	78	63	78	64	73	66	N	78
18	71	63	71	64	68	65	E	138
19	63	62	65	62	64	64	NW	136
20	70	51	71	52	64	55	N	102
21	65	51	65	52	63	54	E	111
22	71	53	70	54	66	55	E	94
23	76	60	75	61	70	59	NE	80
24	69	66	70	65	68	64	E	54
25	76	64	77	65	71	65	N	83
26	65	60	66	61	64	62	NE	99
27	73	56	73	57	67	58	NE	79
28	73	54	73	55	67	56	N	66
29	72	53	72	54	67	55	N	103
30	73	56	74	56	67	54	N	97
31	75	56	74	56	68	57	E	50
Total	2329	1852	2330	1879	2185	1908		3072
Avg.	75.1	59.7	75.2	60.6	70.5	61.5	E	99.1



Table 36. Soil Temperature and Wind, November 1966

Date	Soil Temperature						Wind at 12'	
	5 cm.		10 cm.		20 cm.		Prvl. dir.	Miles per day
	Max.	Min.	Max.	Min.	Max.	Min.		
1	71	56	72	57	66	56	N	90
2	50	50	52	51	52	55	NW	247
3	55	39	57	40	52	40	W	97
4	61	37	62	39	55	41	N	57
5	62	39	62	42	57	42	E	47
6	68	46	69	47	61	46	E	36
7	70	52	71	54	63	50	E	69
8	70	53	72	54	65	51	E	93
9	67	58	68	59	64	57	E	146
10	71	62	70	63	66	61	W	126
11	69	66	69	66	66	63	E	69
12	76	66	75	66	69	64	W	79
13	65	64	64	64	64	63	E	118
14	68	56	67	57	63	58	NE	101
15	67	52	66	52	62	55	E	87
16	67	49	66	50	61	52	E	107
17	71	49	70	50	64	49	E	67
18	72	52	71	53	65	53	W	37
19	71	53	70	54	66	54	NW	96
20	70	54	69	55	63	56	E	139
21	68	52	67	53	61	54	E	131
22	67	50	66	52	60	52	E	131
23	67	46	66	47	60	50	E	107
24	71	45	69	47	62	47	NE	49
25	72	50	70	50	63	51	W	68
26	72	50	71	51	65	50	W	51
27	60	56	60	58	58	55	W	155
28	53	44	55	45	52	50	NW	295
29	56	39	55	40	51	43	W	183
30	58	37	58	39	51	42	NW	106
Total	1985	1522	1979	1555	1827	1560		3184
Avg.	66.2	50.7	66.0	51.8	60.9	52.0	E	106.1

Table 37. Soil Temperature and Wind, December 1966

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	39	62	40	54	41	W	44
2	64	39	64	41	56	42	W	53
3	57	42	56	41	53	45	N	123
4	58	42	57	43	52	46	E	183
5	58	42	58	43	52	45	E	135
6	65	41	65	42	57	44	E	145
7	69	48	69	49	61	47	E	132
8	68	56	68	57	62	54	E	161
9	66	57	65	57	62	55	E	193
10	64	60	65	60	61	58	NW	160
11	50	48	53	49	51	51	N	169
12	46	44	48	44	46	46	NE	171
13	49	44	51	46	47	45	N	123
14	55	41	54	42	49	43	NW	105
15	57	39	56	39	50	41	N	90
16	57	37	57	38	51	40	E	63
17	54	39	54	41	50	41	E	100
18	60	46	58	48	54	46	N	106
19	61	46	60	46	55	47	NW	78
20	58	45	60	45	53	46	W	74
21	61	44	61	44	54	45	W	50
22	63	42	63	44	56	44	W	46
23	60	48	59	49	56	48	E	137
24	48	40	50	41	48	46	NW	218
25	49	36	48	38	44	39	W	55
26	55	36	53	36	49	38	NW	40
27	54	41	52	42	49	40	E	126
28	55	45	55	46	52	45	E	172
29	50	41	52	42	48	45	NW	150
30	47	39	46	40	44	41	NE	66
31	50	39	50	41	47	40	E	124
Total	1771	1346	1769	1374	1623	1394		3592
Avg.	57.1	43.4	57.1	44.3	52.4	45.0	E	115.9



Table 39. Cooling Degree Days - 1966 - Base 75<sup>0</sup>

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0	0	0	0	0	0	0	2	5	0	0	0
2	0	0	0	0	0	0	2	3	4	0	0	0
3	0	0	0	0	0	0	3	4	6	0	0	0
4	0	0	0	0	0	0	4	2	8	0	0	0
5	0	0	0	0	0	0	5	2	5	0	0	0
6	0	0	0	0	0	0	4	2	5	0	0	0
7	0	0	0	0	0	3	8	1	3	0	0	0
8	0	0	0	0	0	4	6	2	3	0	0	0
9	0	0	0	0	0	0	9	4	1	0	0	0
10	0	0	0	0	0	2	9	1	0	2	0	0
11	0	0	0	0	0	0	8	4	0	0	0	0
12	0	0	0	0	0	2	11	4	2	0	0	0
13	0	0	0	0	0	1	10	3	1	0	0	0
14	0	0	0	0	0	1	14	6	0	0	0	0
15	0	0	0	0	0	3	8	7	0	0	0	0
16	0	0	0	0	0	0	4	6	0	0	0	0
17	0	0	0	0	0	1	2	4	0	0	0	0
18	0	0	0	0	0	0	5	4	0	0	0	0
19	0	0	0	0	0	0	5	3	0	0	0	0
20	0	0	0	0	0	0	7	5	0	0	0	0
21	0	0	0	0	0	0	5	6	0	0	0	0
22	0	0	0	0	1	0	4	7	0	0	0	0
23	0	0	0	0	0	0	4	5	0	0	0	0
24	0	0	0	0	0	1	4	0	0	0	0	0
25	0	0	0	0	0	4	4	0	0	0	0	0
26	0	0	0	0	0	5	6	0	0	0	0	0
27	0	0	0	0	0	6	8	2	0	0	0	0
28	0	0	0	0	0	5	7	2	1	0	0	0
29	0		0	0	1	6	8	4	0	0	0	0
30	0		0	0	1	4	3	3	0	0	0	0
31	0		0		0		1	3		0	0	0
Total	0	0	0	0	3	48	178	101	44	2	0	0

Table 40. Heating Degree Days - 1966 - Base 65°

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	7	21	12	0	0	1	0	0	0	4	5	19
2	1	33	10	10	0	0	0	0	0	7	25	14
3	6	33	6	6	0	0	0	0	0	1	29	19
4	15	34	11	3	0	0	0	0	0	0	20	24
5	19	31	27	16	0	0	0	0	0	0	15	22
6	16	26	29	16	0	0	0	0	0	3	8	10
7	18	18	28	7	0	0	0	0	0	2	4	6
8	26	11	25	1	0	0	0	0	0	0	0	1
9	27	3	20	5	0	0	0	0	0	0	0	0
10	15	2	16	14	8	0	0	0	0	0	0	13
11	17	8	8	3	5	0	0	0	0	3	0	24
12	19	6	6	1	0	0	0	0	0	0	0	24
13	18	15	3	0	0	0	0	0	0	2	8	25
14	17	13	5	3	0	0	0	0	0	0	8	24
15	23	11	1	7	0	0	0	0	0	0	9	21
16	21	9	9	4	0	0	0	0	0	0	7	18
17	26	20	7	1	0	0	0	0	0	0	2	14
18	27	21	5	0	0	0	0	0	0	0	5	11
19	33	17	6	0	0	0	0	0	0	14	1	15
20	27	13	4	0	0	0	0	0	0	13	9	16
21	24	15	0	0	0	0	0	0	0	9	10	15
22	28	15	0	0	0	0	0	0	0	1	13	9
23	34	24	1	0	0	0	0	0	0	0	13	18
24	33	26	21	0	0	0	0	0	0	2	9	33
25	31	21	21	0	0	0	0	0	0	1	8	33
26	31	18	16	0	0	0	0	0	0	6	2	22
27	31	21	13	0	0	0	0	0	0	6	8	15
28	25	15	14	0	0	0	0	0	0	5	21	12
29	42		16	0	0	0	0	0	0	3	25	27
30	77		12	0	0	0	0	0	0	2	20	27
31	38		4		0		0	0		2		23
Total	772	500	356	97	13	1	0	0	0	86	284	554

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 1966 - Base 40°F

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	18	4	13	26	34	24	32	37	40	21	20	6
2	24	0	15	15	31	28	37	38	39	18	0	11
3	19	0	19	19	29	28	38	39	41	24	0	6
4	10	0	14	22	30	32	39	37	43	28	5	1
5	6	0	0	9	30	31	40	37	40	28	10	3
6	9	0	0	9	27	35	39	37	40	22	17	15
7	7	7	0	18	29	38	43	36	38	23	21	19
8	0	14	0	24	31	39	41	37	38	30	26	24
9	0	22	5	20	33	32	44	39	36	31	25	25
10	10	23	9	11	17	37	44	36	33	37	29	12
11	8	17	17	22	20	35	43	39	34	22	26	1
12	6	19	19	24	32	37	46	39	37	27	29	1
13	7	10	22	33	29	36	45	38	36	23	17	0
14	8	12	20	22	30	36	49	41	34	30	17	1
15	2	14	24	18	26	38	43	42	33	34	16	4
16	4	16	16	21	28	35	39	41	31	32	18	7
17	0	5	18	24	31	36	37	39	29	25	23	11
18	0	4	20	25	32	34	40	39	30	25	20	14
19	0	8	19	26	31	33	40	38	34	11	24	10
20	0	12	21	30	35	32	42	40	34	12	16	9
21	1	10	26	33	34	33	40	41	27	16	15	10
22	0	10	25	32	36	34	39	42	26	24	12	16
23	0	1	24	30	32	34	39	40	30	29	12	7
24	0	0	4	27	28	36	39	34	31	23	16	0
25	0	4	4	31	30	39	39	35	30	24	17	0
26	0	7	9	33	32	40	41	35	33	19	23	3
27	0	4	12	30	32	41	43	37	34	19	17	10
28	0	10	11	32	34	40	42	37	36	20	4	13
29	0		9	32	36	41	43	39	33	22	0	0
30	0		13	34	36	39	38	38	30	23	5	0
31	0		21		26		36	38		23		2
Total	139	233	429	732	941	1053	1260	1185	1030	745	480	241



Table 44. Growing Degree Days for 1966 - Base 45°F

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	13	0	8	21	29	19	27	32	35	16	15	1
2	19	0	10	10	26	23	32	33	34	13	0	6
3	14	0	14	14	24	23	33	34	36	19	0	1
4	5	0	9	17	25	27	34	32	38	23	0	0
5	1	0	0	4	25	26	35	32	35	23	5	0
6	4	0	0	4	22	30	34	32	35	17	12	10
7	2	2	0	13	24	33	38	31	33	18	16	14
8	0	9	0	19	26	34	36	32	33	25	21	19
9	0	17	0	15	28	27	39	34	31	26	20	20
10	5	18	4	6	12	32	39	31	28	32	24	7
11	3	12	12	17	15	30	38	34	29	17	21	0
12	1	14	14	19	27	32	41	34	32	22	24	0
13	2	5	17	28	24	31	40	33	31	18	12	0
14	3	7	15	17	25	31	44	36	29	25	12	0
15	0	9	19	13	21	33	38	37	28	29	11	0
16	0	11	11	16	23	30	34	36	26	27	13	2
17	0	0	13	19	26	31	32	34	24	20	18	6
18	0	0	15	20	27	29	35	34	25	20	15	9
19	0	3	14	21	26	28	35	33	29	6	19	5
20	0	7	16	25	30	27	37	35	29	7	11	4
21	0	5	21	28	29	28	35	36	22	11	10	5
22	0	5	20	27	31	29	34	37	21	19	7	11
23	0	0	19	25	27	29	34	35	25	24	7	2
24	0	0	0	22	23	31	34	29	26	18	11	0
25	0	0	0	26	25	34	34	30	25	19	12	0
26	0	2	4	28	27	35	36	30	28	14	18	0
27	0	0	7	25	27	36	38	32	29	14	12	5
28	0	5	6	27	29	35	37	32	31	15	0	8
29	0		4	27	31	36	38	34	28	17	0	0
30	0		8	29	31	34	33	33	25	18	0	0
31	0		16		21		31	33		18		0
Total	72	131	296	582	786	903	1105	1030	880	590	346	135

Table 45. Growing Degree Days for 1966 - Base 50°F

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	8	0	3	16	24	14	22	27	30	21	10	0
2	14	0	5	5	21	18	27	28	29	18	0	1
3	9	0	9	9	19	18	28	29	31	14	0	0
4	0	0	4	12	20	22	29	27	33	18	0	0
5	0	0	0	0	20	21	30	27	30	18	0	0
6	0	0	0	0	17	25	29	27	30	12	7	5
7	0	0	0	8	19	28	33	26	28	13	11	9
8	0	4	0	14	21	29	31	27	28	20	16	14
9	0	12	0	10	23	22	34	29	26	21	15	15
10	0	13	0	1	7	27	34	26	23	27	19	2
11	0	7	7	12	10	25	33	29	24	12	16	0
12	0	9	9	14	22	27	36	29	27	17	19	0
13	0	0	12	23	19	26	35	28	26	13	7	0
14	0	2	10	12	20	26	39	31	24	20	7	0
15	0	4	14	8	16	28	33	32	23	24	6	0
16	0	6	6	11	18	25	29	31	21	22	8	0
17	0	0	8	14	21	26	27	29	19	15	13	1
18	0	0	10	15	22	24	30	29	20	15	10	4
19	0	0	9	16	21	23	30	28	24	1	14	0
20	0	2	11	20	25	22	32	30	24	2	6	0
21	0	0	16	23	24	23	30	31	17	6	5	0
22	0	0	15	22	26	24	29	32	16	14	2	6
23	0	0	14	20	22	24	29	30	20	19	2	0
24	0	0	0	17	18	26	29	24	21	13	6	0
25	0	0	0	21	20	29	29	25	20	14	7	0
26	0	0	0	23	22	30	31	25	23	9	13	0
27	0	0	2	20	22	31	33	27	24	9	7	0
28	0	0	1	22	24	30	32	27	26	10	0	3
29	0	0	0	22	26	31	33	29	23	12	0	0
30	0	0	3	24	26	29	28	28	20	13	0	0
31	0	0	11	0	16	0	26	28	0	13	0	0
Total	31	59	179	434	631	753	950	875	730	455	226	60



