M82.2/73
L587cl
So Dak.
Cottonwood
N.A.

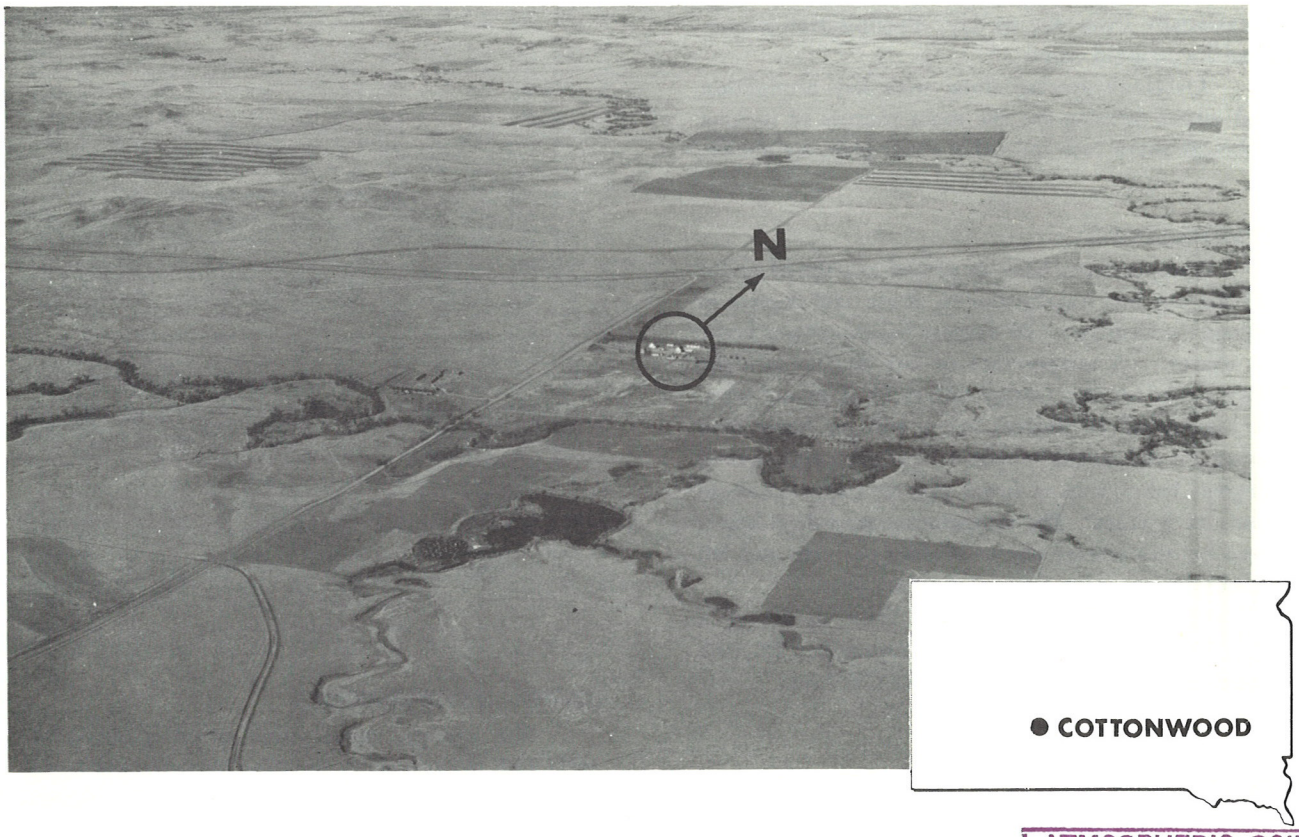
CLIMATOLOGICAL SUMMARY

Climatography of the U. S. No. 20-39

NO. 14

COTTONWOOD
South Dakota

LATITUDE 43° 58′ LONGITUDE 101° 52′ ELEVATION 2,414 FT.



ATMOSPHERIC SCIENCES
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STATION HISTORY

Official weather observations were first made at the South Dakota State University Experiment Station located about 2 miles east of Cottonwood in June 1909 and have continued in approximately the same location to date. Weather observations were taken by Experiment Station personnel but changes in the personnel responsible for the observations were not well documented.

Instruments used throughout period included maximum and minimum thermometers and a standard rain gage. An evaporation pan was installed in August 1952 and a Six's thermometer was added in July 1962.

This station is one of the national Climatological Benchmark Stations. In line with the planned expansion of the instrumention of these stations, wind recording equipment was installed in June 1968. Future plans include installation of soil temperature and solar radiation as well as other recording weather related instruments.

Data compiled from official U. S. Weather Bureau (U. S. Dept. of Commerce, Environmental Science Services Administration) records. Summary prepared by Walter Spuhler, ESSA state climatologist, in cooperation with W. F. Lytle, weather science project leader, and Dennis Moe, head, Agricultural Engineering Department, South Dakota State University Agricultural Experiment Station.

2.5M—12-68

STATION SUMMARY

Cottonwood is located in northwestern Jackson County in the southwestern part of the state. The topography is gently rolling. There are no nearby bodies of water that affect the climate. The eastern edge of the badlands lies about 12 miles to the south.

The climate is a continental type with a large contrast in temperature from winter to summer and occasionally from day to day. Precipitation is marginal for adapted crops.

Livestock grazing along with hay production and wheat farming are the main sources of income although some oats and other small grain are grown.

TEMPERATURE

Temperatures have an annual average of about 47 degrees but usually rise to above 100 degrees in summer and drop to 20 degrees below zero or lower in winter. A temperature of 100 degrees or higher may occur on the average about 11 days per year. A reading of 20 degrees below zero or lower may occur on the average about 4 days per year. Thirty degrees below zero or lower may be expected about once in 2 years. The temperature may drop below zero on the average about 26 days per year and fail to climb above zero about 2 days per year.

The average date for last frost in spring is May 19 and first frost in fall is September 22, with an average length growing season of 126 days.

PRECIPITATION

The average annual precipitation is 15.13 inches of which 11.94 inches (79%) fall during the growing season (April-September). The main source of rainfall during the growing season is thundershowers which produce a wide range of amounts and intensities of rain. A rainfall of 1 inch or more in 1 hour may be expected on the average about once a year. Two inches or more of rain in 1 hour may be expected on the average about once in 12 years and 2.5 inches in 1 hour about once in 50 years. A 24-hour rain of 2 inches or more may be expected on the average about once in 3 years and 3 inches or more about once in 8 years.

Hail may be expected about 2 to 3 times per year in any one place in the Cottonwood area. June is the month of the most frequent occurrence but hail may occur as early as March and as late as October.

Snow cover is important for protecting pastures and fall seeded crops, although a heavy snow cover may be a hindrance to ranch and farm activity. The seasonal snowfall averages about 24 inches but has varied from 7 inches during the 1940-41 season to 58 inches during the 1949-50 season. Snow cover of 1 inch or more averages about 36 days per year. Strong winds often accompany the snowfall causing drifts to form in and near sheltered areas while open fields remain nearly bare.

AVERAGE TEMPERATURE, 1910-1967 (°F.)

YR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNL
10	19.4	14.6	47.7	52.7	53.1	69.1	75.2	65.1	61.3	54.5	33.7	26.8	47.8
11	23.0	24.9	46.2	49.2	60.6	75.8	73.6	68.8	63.7	47.2	28.1	23.7	48.7
12	10.0	25.6	22.8	49.1	58.8	68.6	73.8	69.4	54.8	48.6	38.4	28.7	45.7
13	17.6	15.4	26.5	50.3	55.6	72.4	77.0	79.4	64.8	44.0	39.2	27.5	47.5
14	30.5	12.8	33.6	47.2	57.8	69.4	78.3	71.0	65.3	52.3	40.0	15.0	47.8
15	16.1	23.0	21.1	53.2	51.1	60.5	65.4	66.1	58.2	50.0	34.8	26.9	43.9
16	5.5	22.8	35.9	43.9	54.2	61.3	78.2	70.2	60.9	46.0	23.0	11.2	43.6
17	19.0	16.4	28.1	41.6	50.5	63.9	76.1	69.4	61.8	42.6	41.7	13.5	43.7
18	9.4	20.5	42.9	42.6	57.1	70.1	72.0	72.7	56.1	52.4	33.5	25.5	46.2
19	28.6	16.7	32.2	45.1	56.2	69.1	75.6	70.9	65.3	37.8	25.5	17.6	45.1
20	22.2	24.8	31.3	37.6	54.9	64.6	72.5	71.2	62.2	51.7	30.2	23.0	45.5
21	27.9	31.6	38.5	46.0	56.4	72.9	76.1	72.2	62.3	51.5	30.0	23.8	49.1
22	11.8	6.7	32.6	43.8	54.0	68.1	69.3	74.2	65.0	49.4	31.7	12.4	43.6
23	23.2	16.2	26.6	42.8	55.1	65.6	74.8	67.2	60.6	46.8	39.6	27.2	45.5
24	12.8	26.6	28.4	45.5	51.5	63.5	70.9	71.1	60.6	54.4	34.8	11.9	44.3
25	15.8	30.1	37.4	51.1	58.3	66.2	73.5	73.6	65.6	37.5	35.2	23.3	47.3
26	20.5	31.1	33.6	46.1	60.5	65.2	72.8	72.1	59.6	51.1	31.1	22.3	47.2
27	19.8	28.9	34.5	44.3	53.4	64.6	68.8	66.9	61.9	51.3	30.5	6.2	44.3
28	24.1	26.9	36.5	42.1	60.5	60.6	72.0	71.9	60.6	48.8	34.6	28.6	47.2
29	6.1	10.3	37.3	45.7	54.6	63.3	74.4	76.4	56.8	49.7	31.1	22.5	46.0
30	6.5	36.3	32.6	52.5	54.7	66.8	78.4	74.1	61.5	45.6	34.1	25.7	47.7
31	30.4	34.3	31.9	46.9	55.2	74.5	77.5	73.4	66.3	51.6	33.8	21.6	50.0
32	14.4	23.1	26.7	51.0	59.1	68.7	74.3	74.8	62.2	43.8	35.9	16.6	45.9
33	28.3	16.9	33.7	45.6	53.6	74.9	79.8	70.7	65.0	49.5	39.4	26.2	48.7
34	29.8	28.5	33.3	48.9	68.9	70.2	78.2	73.1	57.6	54.3	39.5	25.1	50.6
35	22.8	33.6	38.5	41.2	50.9	64.1	79.6	74.4	64.3	49.0	31.9	24.7	47.9
36	11.0	-2.9	35.7	42.8	63.4	75.1	86.1	78.1	67.0	48.4	33.6	24.8	47.4
37	2.7	20.9	31.8	46.6	61.3	66.5	76.4	78.7	65.2	50.0	31.9	22.3	46.2
38	24.6	20.5	38.2	46.6	53.9	67.9	73.8	75.2	63.4	55.2	34.9	25.6	48.3
39	28.3	11.9	35.7	47.4	62.9	67.4	79.4	73.6	65.4	50.8	38.9	32.4	49.5
40	8.6	22.1	32.7	44.1	56.9	68.2	79.2	71.0	68.1	56.6	29.9	27.4	46.9
41	22.2	27.0	32.4	48.6	63.3	67.7	74.8	73.9	61.5	47.9	37.1	27.1	48.8
42	23.5	22.0	34.9	51.2	51.5	63.6	72.0	71.6	57.1	49.9	35.7	25.6	46.6
43	11.9	31.0	25.1	51.0	53.5	64.8	75.2	74.9	60.7	49.5	34.9	24.1	46.4
44	26.6	16.8	22.1	42.9	60.2	63.4	70.6	71.8	60.6	50.4	31.6	24.1	45.1
45	25.8	26.8	39.7	44.5	53.6	59.0	73.1	73.4	60.8	50.0	34.0	20.5	46.8
46	26.8	29.5	44.5	53.9	52.6	66.5	76.0	69.7	61.7	46.1	33.6	25.0	48.7
47	26.4	20.7	25.1	44.6	53.7	63.0	75.0	77.5	63.4	57.3	28.3	28.5	47.3
48	22.3	19.8	29.0	49.5	55.7	63.0	72.2	72.6	67.4	46.8	33.9	21.1	45.3
49	5.8	15.4	31.4	50.3	59.8	67.6	77.0	75.1	60.5	47.8	42.8	19.9	46.1
50	5.7	23.8	25.1	40.1	52.6	66.1	69.6	69.4	61.7	53.6	32.6	25.6	43.8
51	18.9	26.9	22.2	42.5	58.5	59.6	71.5	69.9	56.4	47.1	32.5	13.5	42.3
52	14.2	26.1	22.9	49.1	57.4	69.6	73.2	72.6	65.8	46.8	33.6	26.9	46.5
53	28.1	24.2	35.2	39.6	53.9	68.4	73.8	73.8	67.4	59.3	41.2	29.3	48.8
54	18.8	41.0	28.8	47.6	54.4	65.8	79.1	74.4	63.9	48.1	41.7	28.7	49.4
55	23.4	19.6	30.9	51.5	61.6	64.1	78.0	78.1	63.9	52.0	25.2	17.6	47.2
56	20.0	22.9	35.0	39.9	58.3	75.1	73.9	70.9	61.0	54.6	34.9	28.4	48.0
57	9.4	25.8	33.1	41.8	54.9	64.6	75.6	73.3	60.2	50.2	36.1	33.1	46.5
58	29.2	21.0	31.4	45.4	62.1	63.9	69.0	74.9	66.1	50.1	36.3	23.8	47.8
59	18.6	19.9	39.5	44.6	56.5	72.3	74.5	77.7	60.5	45.4	27.1	31.7	47.3
60	21.9	18.0	26.2	48.5	57.1	65.1	76.4	73.4	63.8	50.8	35.4	21.5	46.5
61	24.9	29.9	38.4	42.3	55.6	69.0	72.9	77.0	56.2	51.0	34.6	20.8	47.9
62	18.6	21.3	26.2	49.5	59.1	66.0	71.0	72.3	60.7	52.3	39.2	27.4	47.0
63	11.5	25.9	40.4	45.7	55.9	70.7	76.3	75.4	66.3	58.6	38.3	19.1	48.9
64	26.0	27.8	29.6	47.3	60.5	65.0	77.1	70.7	59.8	49.7	31.0	16.4	46.7
65	21.7	25.9	21.1	47.9	57.3	66.4	73.5	72.3	51.4	54.5	35.0	30.7	46.5
66	11.9	15.3	35.8	41.8	57.4	68.4	80.1	70.5	61.8	49.2	32.8	25.3	46.9
67	25.0	25.0	36.4	47.4	51.8	63.3	72.3	72.4	63.4	50.2	33.7	21.2	46.8

OTHER CONSIDERATIONS

The average annual wind speed is about 11 MPH with the prevailing direction from the northwest during winter and from the south during the summer. Strong winds of 50 MPH or higher may occur during any month but are most likely to occur in summer with thunderstorms. During other months strong winds may accompany the passage of a cold front.

It is possible for a tornado to touch down in the Cottonwood area, but it is difficult to give the probability of a rare event.

An important factor in crop production is sunshine. This area receives about 2/3 of possible sunshine during the year. The highest possible sunshine occurs in July and August when it is about 3/4 of possible.

Evaporation from a large pan is an indication of the water loss experienced by the soil and crops. The average annual Weather Bureau Class A pan evaporation in this area is about 55 inches of which 43 inches (79%) evaporates from May through October. The pan represents a maximum or potential evaporation. Average annual lake evaporation is about 39 inches. The actual water loss from soil is usually less, since the soil moisture is often limiting.

Relative humidity usually has a large variation from early morning to afternoon and occasionally from day to day. It averages from about 40% in afternoon to 85% during early morning in summer and from about 65% in afternoon to 82% during early morning in winter.

PROBABILITY DATE OF LAST TEMPERATURE OCCURRENCE IN SPRING, 1910-1967 (°F.)

PERCENT CHANCE OF LATER DATE	TEMPERATURE LEVELS 16	20	24	28	32	36
90	MAR. 13	MAR. 23	APR. 1	APR. 14	MAY 1	MAY 10
70	MAR. 21	APR. 1	APR. 9	APR. 21	MAY 7	MAY 16
50	APR. 7	APR. 16	APR. 25	MAY 6	MAY 19	MAY 29
30	APR. 22	MAY 1	MAY 10	MAY 19	MAY 30	JUNE 9
10	APR. 30	MAY 9	MAY 18	MAY 27	JUNE 5	JUNE 15

PROBABILITY DATE OF FIRST TEMPERATURE OCCURRENCE IN FALL, 1910-1967 (°F.)

PERCENT CHANCE OF EARLIER DATE	TEMPERATURE LEVELS 16	20	24	28	32	36
10	OCT. 5	SEP. 27	SEP. 19	SEP. 9	SEP. 4	AUG. 11
30	OCT. 12	OCT. 5	SEP. 27	SEP. 17	SEP. 10	AUG. 21
50	OCT. 28	OCT. 21	OCT. 12	OCT. 2	SEP. 22	SEP. 9
70	NOV. 11	NOV. 4	OCT. 26	OCT. 16	OCT. 2	SEP. 27
90	NOV. 18	NOV. 12	NOV. 3	OCT. 24	OCT. 9	OCT. 7

MEANS AND EXTREMES, 1910-1967

TEMPERATURE (°F.)

	Av. daily max.	Av. daily min.	Av. monthly mean	Highest daily max.	Year	Day	Lowest daily min.	Year	Day	Av. heating degree days	Av. no. days Max. 90° & above	Max. 32° & below	Min. 32° & below	Min. 0° & below
Jan.	32.5	5.7	19.1	75	63	14	-42	16	12	1379	0	13	30	10
Feb.	36.4	9.3	22.8	74	54	08	-41	36	06	1172	0	10	27	7
Mar.	46.0	19.2	32.6	88	46	31	-28	60	04	999	0	6	27	2
Apr.	60.8	31.6	46.2	92	39	23	-12	36	02	562	0	0	16	0
May	70.9	42.3	56.6	105	34	28	13	44	05	285	1	0	4	0
June	81.2	52.6	66.9	114	36	18	31	66	06	70	6	0	0	0
July	90.8	58.7	74.7	116	10	14	36	50	13	7	17	0	0	0
Aug.	89.2	56.1	72.6	113	35	07	27	10	25	16	16	0	0	0
Sept.	78.5	45.5	62.0	108	31	09	10	26	25	161	5	0	2	0
Oct.	66.0	33.4	49.7	98	10	16	-07	25	28	475	0	0	14	0
Nov.	48.5	20.2	34.3	81	31	07	-29	59	14	916	0	3	27	1
Dec.	36.4	10.2	23.3	77	39	11	-41	16	20	1269	0	10	30	6
Annual	61.4	32.1	46.7	JULY 116	10	14	JAN. -42	16	12	7311	45	42	177	26

PRECIPITATION (In.)

	Av. monthly	Greatest monthly	Year	Greatest daily	Year	Day	Av. monthly snowfall	Greatest monthly snowfall	Year	Greatest daily snowfall †	Year	Day	Av. no. days .01 & over	.10 & over	.50 & over	1.00 & over
Jan.	.42	3.08	49	2.31	49	04	4.4	19.0	49	8.5	17	20	3	1	0	0
Feb.	.38	1.82	53	1.01	51	28	4.3	15.7	48	8.0	14	22	3	1	0	0
Mar.	.75	2.68	29	1.70	37	24	5.8	24.4	29	11.0	33	05	4	2	0	0
Apr	1.76	5.54	27	2.00	67	30	3.1	28.0	27	18.0	27	13	7	4	1	0
May	2.78	6.91	15	4.00	15	26	0.3	8.0	50	6.0	50	07	9	6	2	0
June	2.99	9.47	67	3.04	48	17	0.0	0.0		0.0			10	6	2	1
July	1.81	6.48	22	2.46	23	16	0.0	0.0		0.0			7	4	1	0
Aug.	1.56	7.82	30	5.18	30	16	0.0	0.0		0.0			6	3	1	0
Sept.	1.13	3.89	55	3.30	55	20	0.0	0.5	34	0.5	34	25	5	3	1	0
Oct.	.89	3.98	30	2.39	30	02	0.9	12.3	19	8.7	19	19	4	2	0	0
Nov	.40	2.72	22	1.40	22	04	2.9	20.6	47	8.0	52	17	2	1	0	0
Dec.	.35	1.83	51	.80	31	30	3.9	17.0	51	8.0	31	30	3	1	0	0
Annual	15.22	JUNE 9.47	67	AUG. 5.18	30	16	25.6	APR. 28.0	27	APR. 18.0	27	13	63	34	8	1

*Dates of extremes are latest occurrence—extremes may have been equaled earlier.

†Snowfall includes hail and sleet.

DAILY EXTREME VALUES BY MONTH AND DAILY MEAN TEMPERATURE, 1910-1967

(Temperature is in °F. and precipitation in inches)

JANUARY DAILY EXTREME VALUES

DAY	MAX	YR	MIN	YR	PREC	YR	SNFL	YR	MEAN TEMP
01	61	39	-35	24	.70	12	7.0	12	21.3
02	61	55	-27	42	.25	49	2.0*	49	19.4
03	60	39	-30	19	.64	22	5.7	22	20.6
04	58	56	-33	50	2.31	49	8.0	49	20.8
05	58	30	-32	24	.10	37	2.0	37	18.5
06	65	54	-33	13	.20	40	2.5	67	20.4
07	60	48	-33	13	.10	32	1.5	67	20.7
08	65	58	-22	13	.10*	49	1.5	49	23.6
09	63	53	-27	30	.20	63	2.0	57	23.6
10	56	58	-20	57	.12	49	4.5	49	22.5
11	57	53	-29*	18	.20	16	3.0	16	21.2
12	68	53	-42	16	.40	47	4.5	47	19.7
13	60	43	-40	16	.20	33	2.0	33	20.5
14	75	63	-26	16	.77	53	4.0	53	20.0
15	59	14	-23	63	.83	53	5.0	53	19.5
16	58	61	-24	30	.20	36	2.0	36	18.5
17	61	46	-29	30	.30	36	3.0	36	18.1
18	62	14	-28	36	.10	31	1.5	50	19.2
19	59	21	-33	63	.22	45	2.0	45	18.2
20	65	64	-28	62	.85	17	8.5	17	16.9
21	61	64	-36	49	.40	17	4.0	17	15.9
22	60	67	-37	27	1.25	52	7.0	52	16.9
23	63	31	-23	52	.18	20	3.5	20	18.9
24	57	42	-25	29	.25*	34	2.5	34	18.0
25	66	11	-33	29	.11	18	1.7	18	16.4
26	58	47	-30	36	.12	18	2.0	38	14.8
27	63	34	-30	36	.28	44	1.5	49	17.3
28	65	42	-23	51	.20	25	2.5	47	19.7
29	68	31	-33	29	.25	10	2.5	18	18.1
30	62	31	-33	18	.20*	17	2.0	17	17.3
31	61	61	-25	18	.36	58	4.0	58	18.8

* INDICATES PRIOR OCCURRENCE OF INDICATED VALUE

FEBRUARY DAILY EXTREME VALUES

DAY	MAX	YR	MIN	YR	PREC	YR	SNFL	YR	MEAN TEMP
01	69	34	-34	18	.36	39	4.0	39	18.3
02	64	62	-38	17	.07	36	4.0	19	20.2
03	69	62	-23	23	.33	60	5.0	36	22.3
04	64	35	-32	36	.10	33	1.0	55	22.2
05	63	63	-38	36	.41	14	2.2	14	22.6
06	64	34	-41	36	.10	51	2.0	48	22.9
07	64	54	-31	14	.10	39	2.5	39	21.8
08	74	54	-26	39	.00		0.0		21.9
09	65	54	-33	36	.71	53	7.0	66	20.8
10	71	61	-27	36	.34	59	6.0	48	23.8
11	65	28	-33	44	.05	67	2.0	67	24.1
12	63	11	-31	44	.42	15	2.6	15	24.6
13	71	54	-22	22	.97	15	5.2	15	24.2
14	71	54	-35	36	.23	35	3.0	35	23.1
15	65	46	-22	36	.15	53	3.0	67	22.4
16	66	16	-37	36	.40	11	4.0	11	22.9
17	68	13	-20	36	.22	62	3.2	62	24.0
18	72	30	-25	36	.44	52	3.0	66	23.3
19	66	65	-34	29	.56	52	4.0	52	21.9
20	74	30	-21	18	.48	20	4.0	20	20.9
21	66	43	-19	18	.36	57	5.0	57	21.5
22	69	58	-22	57	.72*	14	8.0	14	23.4
23	68	58	-16	28	.25	24	3.0	48	23.8
24	65	46	-16	65	.45	30	2.0	34	23.4
25	72	58	-16	22	.23	54	2.3	63	24.1
26	65*	65	-32	34	.15	54	0.7	15	25.2
27	65	65	-21	22	.33	58	3.0	58	24.8
28	67	21	-26	19	1.01	51	5.0	51	26.1

* INDICATES PRIOR OCCURRENCE OF INDICATED VALUE

MARCH DAILY EXTREME VALUES

DAY	MAX	YR	MIN	YR	PREC	YR	SNFL	YR	MEAN TEMP
01	66	38	-23	16	.28	53	3.5	53	25.5
02	68	46	-14	25	.65	51	3.0	51	27.7
03	77	21	-20	60	.65	51	5.0	66	28.3
04	71	18	-28	60	.70	66	7.0	66	26.4
05	75	37	-12	62	1.10	33	11.0	33	26.7
06	71	50	-21	43	.31	64	4.2	64	25.4
07	68	11	-24	43	.14	61	2.0	61	26.4
08	68	54	-16	51	.17	60	2.0	60	28.6
09	71	36	-15	15	.28	50	4.0	43	30.1
10	72	54	-21	48	.35	56	4.5	56	31.0
11	71	46	-21*	48	.19	23	0.8	62	30.8
12	71	34	-25	50	.99	52	6.0	61	31.3
13	73	14	-23	50	.55	52	5.3	29	30.9
14	79	35	-14	54	.54	29	5.4	29	30.4
15	76	35	-16	49	.56	29	5.6	29	30.7
16	73	66	-05	43	.46	45	2.3	63	32.8
17	73	21	-02	34	.42	33	1.0	65	33.9
18	84	21	-13	23	.88	50	9.0	50	34.7
19	76	10	-13	65	.25	12	2.5	12	34.9
20	78	11	-15	65	.21	50	3.0	50	35.2
21	84	10	-22	13	.70	53	2.0	34	36.9
22	88	10	-16	13	.73	29	7.3	29	38.4
23	83	10	-09	65	.34	31	2.6	64	37.9
24	83	39	-02	65	1.70	37	8.0	37	37.1
25	82	39	-16	65	.13	42	2.0	42	35.7
26	82	56	-06	37	.65	31	2.0	50	35.5
27	83	46	-09	37	.40	31	4.0	31	35.9
28	84	46	-07	37	.32	65	5.0	65	37.6
29	85	43	-02*	65	.80	28	8.0	28	38.3
30	83	46	-03*	36	.35	10	2.0	35	38.3
31	88	46	-07	36	.70*	27	7.0	27	39.6

* INDICATES PRIOR OCCURRENCE OF INDICATED VALUE

APRIL DAILY EXTREME VALUES

DAY	MAX	YR	MIN	YR	PREC	YR	SNFL	YR	MEAN TEMP
01	85	46	08	17	.60	27	6.0	27	40.5
02	84	21	-12	36	.55	25	4.0	53	40.3
03	85	43	-12	36	.87	57	12.0	57	40.9
04	85	21	07	18	.65	35	5.0	35	41.5
05	81*	60	06	35	.75	26	7.5	26	41.7
06	80*	54	02	36	.43	38	4.5	38	42.0
07	86	52	10	38	1.56	19	6.5	19	41.1
08	88	30	05	28	.30	53	0.8	16	42.0
09	85	17	06	14	.64	47	5.5	13	43.9
10	89	60	07	21	.69	63	1.5	50	44.0
11	84	31	08	14	1.64	41	5.0	29	43.9
12	83	31	07	59	1.07	27	0.5	56	45.2
13	84	36	13	51	1.80*	27	18.0	27	47.8
14	89	42	08	28	1.40	12	0.0		48.8
15	87	26	09	61	.97	18	0.8	17	47.9
16	88*	58	06	61	1.00	30	4.2	17	47.2
17	89	48	09	21	.36	14	0.0		47.2
18	89	23	11	45	1.10	32	2.5	66	48.6
19	90	61	15	28	1.25	20	7.0	59	48.7
20	90	10	07	66	1.00*	33	4.0	27	49.9
21	88	34	14	59	.76	64	0.0		49.6
22	90	39	14	51	.40	57	3.5	63	50.9
23	92	39	21	51	.98*	15	2.0	58	49.4
24	89	62	16	28	1.15	29	0.0		47.8
25	90	62	20	31	1.80	48	1.4	59	47.6
26	88	52	12	50	1.18	15	0.5	18	48.5
27	90	52	17*	31	.91	64	2.0	18	49.0
28	92	10	21	26	.98	40	4.0	56	51.2
29	90	13	20	25	1.01	53	6.0	50	51.5
30	92	39	13	50	2.00	67	12.0	67	51.1

* INDICATES PRIOR OCCURRENCE OF INDICATED VALUE

MAY DAILY EXTREME VALUES

DAY	MAX	YR	MIN	YR	PREC	YR	SNFL	YR	MEAN TEMP
01	93	59	15	50	1.36	42	1.0	56	52.4
02	88	55	20	11	1.48	46	1.0	54	52.4
03	90	52	15	54	.50	23	2.0	67	52.0
04	94	26	23	44	1.21	61	0.0		52.8
05	98	39	13	44	1.44	59	5.0	42	52.9
06	96	11	21	31	1.91	32	0.0		53.1
07	95	34	24	46	.76	26	6.0	50	52.9
08	102	34	22*	54	1.37	27	0.0		52.8
09	95	16	24	38	.70	48	0.5	48	53.9
10	91	61	20	43	.80	56	0.0		54.6
11	92	40	21	16	1.07	20	0.0		53.8
12	90	60	14	43	1.44	42	0.0		54.6
13	94	60	20	43	.68	58	0.0		55.1
14	95	11	28	59	2.27	65	0.0		55.4
15	98	36	24	40	.80*	28	0.0		55.9
16	98	34	25	23	1.00	61	0.0		56.8
17	101	34	30	16	1.00	62	0.0		57.6
18	103	34	28	15	.80	35	0.0		57.8
19	98	34	27	43	1.43	38	0.0		56.6
20	100	39	28	31	.67	51	0.0		58.1
21	99	25	17	31	.86	16	0.0		58.0
22	90*	67	20	63	1.00*	33	0.0		59.3
23	95	26	28	63	1.73	54	0.0		59.1
24	95	26	26	24	.69	44	0.0		61.1
25	99	31	32	43	1.89	60	0.0		61.6
26	96	34	28	40	4.00	15	0.0		60.2
27	103	34	26	32	.85	45	0.0		59.8
28	105	34	30	47	1.42*	26	0.0		60.9
29	105	34	22	47	.77	22	0.0		61.8
30	100	39	25	47	3.55	43	0.0		62.3
31	95	34	36	50	.73	45	0.0		61.8

* INDICATES PRIOR OCCURRENCE OF INDICATED VALUE

JUNE DAILY EXTREME VALUES

DAY	MAX	YR	MIN	YR	PREC	YR	SNFL	YR	MEAN TEMP
01	98	40	31	17	.97	51	0.0		61.5
02	93	11	32	51	1.10*	29	0.0		62.2
03	90	33	32	19	.72*	40	0.0		62.2
04	100	39	35	43	1.58	52	0.0		62.7
05	104	39	36	37	1.54	23	0.0		63.3
06	100	50	31	66	1.75*	23	0.0		63.1
07	98	36	34	16	2.45	25	0.0		63.0
08	96	47	35*	16	1.62	19	0.0		64.1
09	99	56	31	28	1.42	67	0.0		64.3
10	101	18	34	36	1.40	57	0.0		64.8
11	103	56	34	47	2.78	67	0.0		65.7
12	99	56	33	39	2.50	28	0.0		64.7
13	101	36	35	17	1.57	58	0.0		66.4
14	100	59	33	17	.90	61	0.0		67.1
15	111	36	35	17	2.57	63	0.0		67.1
16	108	36	37	45	1.46	62	0.0		68.0
17	104	31	42*	66	3.04	48	0.0		67.5
18	114	36	39	45	1.76	46	0.0		67.8
19	102	10	37	48	.99	38	0.0		67.5
20	104	66	40	29	.73*	53	0.0		68.4
21	100	11	41	28	1.02	47	0.0		68.5
22	101	37	42	42	.52	40	0.0		69.7
23	108	31	39	16	.83	51	0.0		69.6
24	109	36	41	29	1.13	52	0.0		70.6
25	107	36	33	58	.92	20	0.0		70.5
26	108	31	40	58	.70	59	0.0		70.5
27	107	31	40	11	.94	22	0.0		71.7
28	113	36	38	51	1.30	52	0.0		71.9
29	107	31	39	51	.83	18	0.0		72.8
30	104	21	41	24	.68	14	0.0		72.2

* INDICATES PRIOR OCCURRENCE OF INDICATED VALUE

JULY DAILY EXTREME VALUES

DAY	MAX	YR	MIN	YR	PREC	YR	SNFL	YR	MEAN TEMP
01	100	21	40	45	.30	15	0.0		72.0
02	107	49	41	31	1.48	56	0.0		71.9
03	109	36	41	15	1.33	12	0.0		72.9
04	112	36	38	15	.86	58	0.0		73.0
05	114	36	36	15	.45	26	0.0		73.4
06	114	36	43	34	1.17	22	0.0		73.7
07	109	30	44	31	.95	28	0.0		74.0
08	110	36	41	52	.50	51	0.0		73.8
09	110	36	42	11	.62	64	0.0		74.0
10	113	36	43	45	1.19	44	0.0		74.8
11	110	36	44	22	.42	16	0.0		75.2
12	110	54	43	22	2.35	37	0.0		74.3
13	105*	54	36	50	.90	32	0.0		73.4
14	116	10	43	43	1.00	48	0.0		73.5
15	111	31	37	12	.69	42	0.0		74.9
16	114	36	45	17	2.46	23	0.0		75.5
17	110	36	43	43	1.07*	15	0.0		75.5
18	109	34	43	15	.36	58	0.0		75.7
19	111	34	48	44	.88	24	0.0		75.7
20	113	39	48	44	.46*	19	0.0		76.2
21	108	60	44	47	1.97	35	0.0		75.6
22	109*	64	46	61	.30	40	0.0		76.2
23	111	40	45	52	.50	55	0.0		75.7
24	111	52	42*	11	.48	35	0.0		76.1
25	111	31	42	11	1.07	23	0.0		76.1
26	107	36	43	10	.78*	53	0.0		77.1
27	111	31	47	48	1.32	61	0.0		76.6
28	110	33	43	44	1.02	21	0.0		76.0
29	110	33	44	10	.85	41	0.0		75.8
30	107	45	37	25	.70	58	0.0		75.2
31	108*	55	44	13	.92	21	0.0		76.2

* INDICATES PRIOR OCCURRENCE OF INDICATED VALUE

AUGUST DAILY EXTREME VALUES

DAY	MAX	YR	MIN	YR	PREC	YR	SNFL	YR	MEAN TEMP
01	108	55	44	11	1.60	15	0.0		76.0
02	110	38	41	10	.96	27	0.0		74.6
03	110	34	40	10	.90	23	0.0		74.3
04	109	47	35	10	.66	56	0.0		75.8
05	105	41	42	17	.47*	18	0.0		75.5
06	107	41	45	40	1.10	56	0.0		74.0
07	113	35	38	10	1.20	18	0.0		73.4
08	108	36	44	46	.83	57	0.0		73.9
09	110	47	38	17	.69	38	0.0		73.6
10	112	35	42	46	.50	39	0.0		72.6
11	108*	59	40	31	1.31	47	0.0		73.2
12	106	65	34	64	.65	51	0.0		73.3
13	107	36	41	20	.52	45	0.0		73.7
14	110	37	39	29	1.60*	51	0.0		74.1
15	109	28	41	42	.69	28	0.0		74.3
16	102	66	42*	19	5.18	30	0.0		73.0
17	103	59	39	19	1.41	30	0.0		71.9
18	109	59	35	40	.56	30	0.0		73.3
19	105	45	35	27	1.18	66	0.0		72.5
20	104	10	37	50	1.41	16	0.0		72.0
21	105	10	35	40	.80	54	0.0		72.4
22	107	60	39	45	.98	57	0.0		72.7
23	109	36	33	10	.92	33	0.0		71.5
24	104	67	31	10	.66	11	0.0		71.1
25	105	26	27	10	.89	46	0.0		71.5
26	108	26	28	10	.65	35	0.0		70.9
27	106	62	40	16	.46	32	0.0		71.0
28	103*	59	36	11	.32	41	0.0		69.5
29	104	61	39	15	.72	20	0.0		70.4
30	105	48	34	35	.62	41	0.0		69.9
31	106	60	36	32	.25*	20	0.0		69.7

* INDICATES PRIOR OCCURRENCE OF INDICATED VALUE

SEPTEMBER DAILY EXTREME VALUES

DAY	MAX	YR	MIN	YR	PREC	YR	SNFL	YR	MEAN TEMP
01	107	29	36*	56	.89	20	0.0		69.5
02	106	60	37	52	.97	51	0.0		68.8
03	101*	60	33*	28	.56	12	0.0		67.5
04	107	60	28	62	.55	36	0.0		68.0
05	104	45	34*	65	.21	23	0.0		67.8
06	104	13	31*	56	3.20	11	0.0		67.1
07	106	31	39	29	.57	46	0.0		66.9
08	105	59	33	43	.67	46	0.0		66.6
09	108	31	25	43	.19	37	0.0		65.2
10	106	31	28	62	.62	50	0.0		64.7
11	100	35	25	40	.17	51	0.0		64.2
12	100	19	29	64	.57	61	0.0		64.3
13	97	36	29	49	2.52	66	0.0		63.2
14	103	48	29*	61	1.50	28	0.0		62.5
15	105	48	23	16	.48	67	0.0		61.0
16	100	10	30	43	1.29*	23	0.0		61.6
17	96	20	28*	65	.76	59	0.0		62.1
18	101	14	28	12	1.73	46	0.0		61.9
19	100	14	26	18	.91	61	0.0		60.8
20	102	37	22	27	3.30	55	0.0		59.1
21	98	22	22	54	.40	24	0.0		59.3
22	98	36	27	25	.70	10	0.0		59.8
23	99	58	24	65	.58	41	0.0		58.6
24	93	24	20	65	.98	31	0.0		57.8
25	96	64	10	26	.90	30	0.5	34	56.2
26	95	56	15	34	.93	15	0.0		55.4
27	97	52	17	28	.10	24	0.0		54.9
28	98	31	18	51	.98	23	0.0		56.1
29	96	31	20	20	.76	65	0.0		55.4
30	95	67	23	20	.23	18	0.3	61	56.6

* INDICATES PRIOR OCCURRENCE OF INDICATED VALUE

OCTOBER DAILY EXTREME VALUES

DAY	MAX	YR	MIN	YR	PREC	YR	SNFL	YR	MEAN TEMP
01	96	53	22	58	.37*	49	0.0		57.1
02	89	14	26	34	2.39	30	0.0		56.5
03	95	22	26	50	1.10	26	0.0		56.9
04	93	22	25	50	.97	51	0.0		56.2
05	96*	63	13	52	.38	46	0.0		54.8
06	91	47	15	52	1.46	62	0.0		54.0
07	92	20	17	52	.51	49	6.5	46	52.6
08	94	60	15	17	.41*	16	0.0		51.5
09	95*	63	17	19	1.09	14	4.0	32	53.4
10	93	10	08	19	1.25	49	0.0		52.7
11	95	10	17	48	.69	47	0.0		52.4
12	92	56	04	17	.59	24	0.0		52.2
13	91	58	21*	27	.84	54	0.0		52.2
14	88	62	20	22	.49	66	0.0		53.2
15	92	58	21	66	1.09*	28	0.0		53.3
16	98	10	08	19	.69	34	0.0		50.8
17	89	50	11*	48	.04	51	0.0		50.3
18	86	63	12	17	.20*	41	0.2	17	49.6
19	88	47	07*	60	1.32	19	8.7	19	48.3
20	90	47	11	25	.45	34	1.0	49	47.5
21	90	47	15	43	1.62*	53	1.0	49	47.1
22	82	27	03	36	.54	57	0.5	35	47.2
23	83	27	02	17	.11	47	0.5	55	46.8
24	84	27	11	45	.10	23	1.0	23	46.8
25	88	27	00	19	1.13	54	5.0	54	45.8
26	84	38	-07	19	1.57*	41	2.0	54	44.6
27	80	50	04	25	.30	31	1.0	25	43.1
28	86	37	-07	25	.61	29	0.0		42.3
29	87	33	02	19	.65	48	1.0	29	42.4
30	88	50	02	25	.46	43	3.3	22	41.5
31	83	33	10	35	.27	63	3.2	20	41.4

* INDICATES PRIOR OCCURRENCE OF INDICATED VALUE

NOVEMBER DAILY EXTREME VALUES

DAY	MAX	YR	MIN	YR	PREC	YR	SNFL	YR	MEAN TEMP
01	74	65	-05	35	.60	28	6.0	28	40.6
02	78	65	00	51	.65	56	6.0	56	38.7
03	76	42	00	36	.30	56	3.0	35	38.8
04	77	45	07	51	1.40	22	3.0	59	38.9
05	77	16	03	59	.81	22	1.2	33	37.5
06	77	34	-07	59	.20	36	6.6	47	38.1
07	81	31	03	36	1.23	44	3.0	24	36.9
08	80	31	-03	36	.35	50	5.0	19	36.1
09	73	37	-02	45	.18	19	2.0*	46	36.3
10	77	58	00	11	.12	63	0.5	16	36.7
11	73	37	-05	19	.18	23	2.0	19	36.3
12	75	54	-05*	19	.57	59	6.0	59	34.4
13	72	28	-20	16	.25	10	2.0	22	33.0
14	75	53	-29	59	.40	27	5.0	27	33.7
15	75*	63	-06	59	.11	57	0.6	61	34.6
16	71	54	-09*	59	.35	17	1.0	58	34.5
17	74	53	-12	59	.69	52	8.0	52	33.8
18	73	42	00	21	.05	30	0.5	37	34.2
19	70	33	-01	21	.50	30	5.0	30	33.0
20	72	62	-16*	37	.30*	30	4.5	47	32.9
21	71	60	-11	64	.10	29	1.5	47	32.0
22	68	54	-09	47	.30	31	3.0	31	31.0
23	65	46	-08	29	.21	59	2.0	47	31.6
24	68	42	-10	50	.20	31	2.0	31	33.3
25	75	60	04	18	.25	42	1.2	19	34.9
26	64*	62	-05	58	.40	65	1.5	65	31.5
27	72	38	-06	19	.20	34	2.5	34	30.1
28	71	14	-08	64	.70	29	7.0	29	29.4
29	70	45	-13	64	.10	10	1.0	10	29.8
30	65	41	-13*	64	.56	54	5.0	54	30.4

* INDICATES PRIOR OCCURRENCE OF INDICATED VALUE

DECEMBER DAILY EXTREME VALUES

DAY	MAX	YR	MIN	YR	PREC	YR	SNFL	YR	MEAN TEMP
01	68	51	-22	19	.19	19	3.0	19	29.3
02	68	25	-28	19	.24	13	2.7	13	29.4
03	71	41	-21	19	.68	55	6.5	55	30.9
04	62	43	-13*	27	.20	10	2.0	10	29.6
05	72	39	-07	50	.30	48	1.5	60	27.8
06	70	39	-19	50	.50	48	4.0	51	27.2
07	70	15	-15*	56	.40	27	4.0	27	25.5
08	63	39	-31	27	.19	14	2.0	67	22.3
09	72	57	-25	19	.15	14	0.6	14	22.3
10	58	25	-28	19	.20	42	2.0	55	22.2
11	77	39	-25	27	.61	65	4.5	58	23.2
12	65	24	-31	32	.27	56	3.0	56	22.0
13	65	21	-30	17	.43	51	4.0	51	20.9
14	61	12	-23*	58	.30	35	3.0	35	21.6
15	65	39	-23	63	.05	30	0.7	16	22.0
16	66	62	-25	51	.20	24	2.0	24	22.2
17	63	39	-31	22	.30	29	4.0	67	20.6
18	60	43	-31*	24	.17	36	0.7	20	21.6
19	58	33	-27	24	.26	51	3.0	51	22.6
20	68	41	-41	16	.20	11	2.5	21	22.3
21	68	33	-29	16	.20	18	6.0	67	23.4
22	65	33	-26	24	.19*	66	5.0	66	23.5
23	61	50	-19	16	.20	39	4.0	39	23.0
24	54*	60	-31	20	.26	48	3.0	48	22.0
25	58	28	-15	17	.22	64	3.0	64	22.4
26	60	47	-25	33	.25	39	2.0	39	21.4
27	67	28	-25	25	.11	46	1.0	46	19.6
28	54*	62	-29	25	.04	17	1.0	17	21.0
29	65	65	-30	16	.13	42	1.0	53	21.5
30	56*	65	-21	16	.80	31	8.0	31	22.5
31	60	63	-31	67	.80	24	8.0	24	19.6

* INDICATES PRIOR OCCURRENCE OF INDICATED VALUE

Note: Missing daily values have been estimated from nearby station. Estimates for missing data in Weather Bureau publications have been made only for monthly values. Therefore, some values may differ from previously published data.

MEAN MINIMUM TEMPERATURE (°F.)

YR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNL
10	9.1	2.7	31.0	35.8	40.4	54.0	57.0	43.8	46.2	36.1	20.3	14.8	32.6
11	8.1	8.6	32.7	36.7	44.6	59.2	57.4	56.0	50.4	34.6	16.8	13.2	34.9
12	-1.4	15.3	11.0	34.4	44.2	55.4	59.6	55.4	41.6	31.2	20.7	14.2	31.8
13	0.1	0.8	12.9	36.7	43.6	59.7	64.3	65.3	51.2	29.2	22.0	13.9	33.3
14	15.6	-0.3	21.9	34.2	44.4	53.5	61.1	55.9	48.4	37.1	23.3	2.4	33.1
15	3.9	12.3	11.3	39.5	38.8	47.9	52.9	52.3	43.3	32.3	20.3	11.9	30.6
16	-9.3	8.0	19.9	29.1	38.6	47.6	61.4	53.9	42.3	30.0	16.9	-2.9	28.0
17	3.8	2.6	16.2	28.5	36.6	46.6	58.0	51.6	44.1	25.8	24.4	1.4	28.3
18	-1.1	7.0	26.0	30.2	41.6	55.5	57.1	56.8	42.1	35.5	17.9	13.0	31.8
19	13.3	4.7	19.2	32.3	40.7	55.4	60.4	50.0	49.4	23.7	14.2	6.5	30.8
20	9.6	13.6	17.7	26.5	43.5	53.2	57.9	54.2	45.4	35.2	18.2	10.5	32.1
21	15.2	17.4	21.3	28.1	44.2	57.5	60.6	57.0	47.8	34.2	17.5	12.0	34.4
22	0.4	-4.6	18.9	32.5	44.2	55.0	56.6	59.0	46.3	32.2	25.5	0.9	30.6
23	15.0	5.3	16.2	28.6	42.6	53.3	62.7	54.8	46.4	34.1	22.6	11.2	32.7
24	-1.8	12.4	18.1	28.8	34.7	48.6	54.7	53.9	44.7	38.9	21.5	0.3	29.6
25	0.8	18.6	23.5	36.4	41.9	52.1	56.5	55.0	48.4	25.1	19.5	10.4	32.4
26	9.0	20.1	18.2	29.2	45.2	50.8	58.0	57.0	42.7	34.5	18.7	7.9	32.6
27	5.9	14.5	18.6	32.3	41.2	51.3	55.0	52.5	44.6	32.3	18.8	-7.1	30.0
28	12.1	11.0	18.9	24.8	43.2	46.8	57.4	54.0	43.9	33.6	21.6	13.9	31.8
29	-7.1	-3.8	26.0	31.1	40.3	50.3	60.7	58.3	44.5	33.9	18.9	10.6	30.3
30	-5.7	22.9	19.3	37.4	41.2	50.2	59.1	60.5	45.7	33.9	20.4	17.1	33.5
31	15.6	19.8	18.8	29.7	38.4	58.0	59.1	56.3	50.1	36.2	18.2	10.1	34.2
32	2.2	10.1	15.7	37.4	45.3	55.6	58.3	58.2	44.4	29.6	22.0	4.2	31.9
33	13.6	1.5	21.0	31.8	41.4	56.7	62.0	55.6	48.1	30.7	23.7	11.4	33.1
34	13.6	10.4	16.4	31.2	47.8	54.4	60.6	55.5	39.2	36.6	24.7	12.0	33.5
35	7.2	18.7	22.1	29.0	40.9	49.6	62.0	55.6	44.2	30.2	17.9	12.2	32.5
36	-2.6	-16.0	22.3	27.6	46.8	56.7	66.5	59.6	48.7	31.6	19.9	13.1	33.9
37	-9.9	5.5	17.1	32.6	46.0	50.8	60.7	60.8	47.7	33.6	18.8	9.6	31.1
38	13.5	4.6	24.4	32.6	41.2	53.1	58.6	58.0	49.0	39.1	20.4	11.5	33.8
39	13.9	-2.0	19.4	29.9	46.5	51.2	61.4	56.1	47.9	35.0	20.7	17.9	33.2
40	-4.5	12.1	22.3	31.9	39.7	51.9	63.4	53.3	51.7	37.1	15.3	14.0	32.4
41	10.5	12.9	20.4	37.0	47.6	54.6	58.8	57.9	46.8	34.3	22.0	15.4	34.9
42	6.9	9.9	22.9	36.7	40.2	52.1	57.1	56.2	41.5	33.9	18.4	13.0	32.4
43	-1.6	16.0	8.6	33.9	36.4	51.9	58.0	56.4	42.3	30.5	21.5	4.1	29.8
44	12.8	2.0	11.2	29.6	45.8	49.2	54.6	54.9	41.7	32.2	20.0	11.2	30.4
45	14.8	14.3	24.0	29.4	38.2	48.2	55.6	56.0	43.8	30.8	18.4	8.5	31.8
46	9.7	11.9	29.0	35.6	40.2	52.4	59.5	54.2	47.4	32.0	19.3	11.1	33.5
47	14.2	7.9	18.4	30.6	39.5	49.7	59.1	60.4	45.8	38.7	17.4	15.7	33.1
48	7.7	6.3	16.0	33.4	42.0	50.9	57.0	55.9	49.0	30.5	21.8	7.8	31.5
49	-4.8	1.2	20.3	33.6	45.4	52.0	59.6	58.1	43.3	34.6	25.8	5.1	31.2
50	-8.9	10.1	12.8	27.5	39.5	49.5	54.8	52.2	48.4	36.9	18.7	12.5	29.5
51	5.2	9.5	9.2	27.5	44.2	47.1	57.9	56.7	42.2	34.6	17.3	0.7	29.3
52	0.3	16.0	13.6	31.5	44.1	55.3	56.3	55.7	46.8	27.2	20.2	13.3	31.7
53	15.2	13.3	22.0	27.8	41.7	55.2	59.0	59.0	42.7	37.2	27.8	16.0	34.7
54	3.0	24.1	15.7	31.3	40.5	51.8	61.3	57.9	47.7	34.5	26.6	17.6	34.3
55	10.9	7.6	17.1	34.7	45.9	51.5	60.2	61.2	47.3	35.4	12.9	6.7	32.6
56	9.0	9.6	20.8	25.5	45.8	58.1	58.3	56.4	44.8	36.1	24.2	15.8	33.7
57	-3.1	12.0	20.8	30.3	44.1	51.3	59.0	59.7	44.1	39.3	24.3	17.9	33.3
58	13.2	9.9	22.5	32.6	45.6	51.5	54.7	57.0	49.4	31.4	21.6	8.9	33.2
59	4.8	6.0	24.6	30.1	43.1	56.5	57.0	59.3	44.7	30.8	14.6	19.9	32.6
60	9.6	7.3	12.7	33.2	40.8	51.8	57.9	54.6	45.6	31.7	18.6	9.2	31.1
61	10.9	13.5	25.0	25.8	42.0	51.8	55.7	60.0	41.8	34.8	20.1	7.0	32.4
62	6.3	9.8	14.8	32.7	45.7	54.2	57.3	54.4	41.7	36.2	24.9	12.6	32.6
63	-4.5	15.1	25.3	31.4	39.8	56.8	60.9	59.0	50.2	40.7	22.5	6.8	33.7
64	12.2	15.0	14.2	33.0	47.2	50.8	60.5	53.5	41.6	31.5	15.3	3.7	31.5
65	9.7	10.8	7.7	33.8	43.3	54.8	58.4	55.7	38.7	37.2	20.4	18.8	32.4
66	-1.1	3.2	22.1	29.0	39.7	52.0	63.9	54.4	46.8	32.3	19.6	14.3	31.4
67	13.6	11.9	24.2	33.4	39.5	52.1	56.1	53.5	46.9	32.9	18.1	8.4	32.6

MEAN MAXIMUM TEMPERATURE (°F.)

YR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNL
10	29.8	26.6	64.5	69.7	65.8	84.2	93.4	86.5	76.5	72.9	47.2	38.9	63.0
11	38.0	41.3	59.7	61.7	76.6	92.4	89.9	81.6	77.0	59.8	39.4	34.3	62.6
12	21.4	36.0	34.7	63.8	73.5	81.8	88.1	83.4	68.1	66.1	56.1	43.3	59.7
13	35.2	30.1	40.1	64.0	67.7	85.2	89.8	93.6	78.5	58.9	56.6	41.2	61.7
14	45.4	26.0	45.3	60.3	71.2	85.3	95.5	86.2	82.2	67.5	56.7	27.6	62.4
15	28.3	33.7	31.0	67.0	63.5	73.2	78.0	80.0	73.1	67.8	49.3	42.0	57.2
16	20.4	37.7	51.9	58.7	69.8	75.0	95.0	86.6	79.5	62.0	49.1	25.3	59.3
17	34.2	30.3	40.0	54.8	64.4	81.3	94.2	87.2	79.6	59.5	59.1	25.7	59.2
18	19.9	34.1	59.8	54.7	72.6	84.7	86.9	88.7	70.2	69.3	49.1	38.1	60.7
19	44.0	28.8	45.2	57.9	71.8	82.9	91.3	91.9	81.2	52.0	36.9	28.7	59.4
20	34.8	36.1	45.0	48.7	66.4	76.0	87.2	88.2	79.1	68.3	42.3	35.6	59.0
21	40.6	45.8	55.8	64.0	68.6	88.4	91.7	87.4	76.9	68.9	42.5	35.6	63.9
22	23.2	22.0	46.3	55.2	63.8	81.3	82.1	89.4	83.7	66.7	38.0	23.9	56.3
23	31.5	27.2	37.0	57.1	67.7	78.0	87.0	79.7	74.9	59.6	56.7	43.3	58.3
24	27.5	40.8	38.7	62.3	68.4	78.5	87.2	88.4	76.5	69.9	48.1	23.6	59.2
25	30.8	41.7	51.3	65.8	74.7	80.4	90.6	92.2	82.8	49.9	51.0	36.3	62.3
26	32.1	42.1	49.1	63.1	75.9	79.7	87.7	87.3	76.6	67.8	43.6	36.7	61.8
27	33.7	43.3	50.5	56.4	65.7	78.0	82.6	81.4	79.3	70.4	42.3	19.6	58.6
28	36.1	42.9	54.2	59.4	77.8	74.5	86.6	89.8	77.4	64.1	47.6	43.3	62.8
29	19.3	24.4	48.7	60.3	68.9	76.3	88.2	94.5	69.2	65.5	43.4	34.3	57.8
30	18.8	49.7	46.0	67.7	68.2	83.4	97.7	87.8	77.3	57.3	47.9	40.3	61.8
31	45.3	48.9	45.0	64.1	72.1	91.0	95.9	90.6	86.6	67.0	49.4	33.2	65.8
32	26.7	36.2	37.8	64.7	72.9	81.9	90.4	91.4	80.1	58.1	49.9	29.0	59.9
33	43.0	32.3	46.4	59.9	65.8	93.1	97.7	85.8	81.9	68.4	55.1	41.0	64.2
34	46.0	46.7	50.3	66.6	90.0	86.0	95.8	90.8	76.1	72.0	54.4	38.2	67.7
35	38.4	48.5	55.0	53.4	60.9	78.6	97.3	93.2	84.4	67.9	45.9	37.2	63.4
36	24.7	10.1	49.2	58.0	80.1	93.6	105.7	96.7	85.3	65.2	47.3	36.5	62.7
37	15.4	36.3	46.5	60.6	76.6	82.2	92.1	96.6	82.8	66.4	45.1	35.0	61.3
38	35.8	36.4	52.0	60.7	66.7	82.8	89.1	92.4	77.9	71.4	49.4	39.7	62.9
39	42.8	25.1	52.0	64.9	79.4	83.7	97.4	91.2	83.0	66.7	57.1	47.0	65.9
40	21.7	32.1	43.2	56.4	74.2	84.6	95.1	88.7	84.6	72.1	44.5	40.8	61.5
41	33.9	41.1	44.5	60.2	79.0	80.9	90.9	89.9	76.2	61.6	52.2	42.9	62.8
42	40.1	34.1	46.9	65.7	62.9	75.2	86.9	87.0	72.7	66.0	53.1	38.2	60.7
43	25.4	46.1	41.7	66.2	70.6	77.8	92.5	93.4	79.1	69.2	48.3	44.1	63.0
44	40.5	31.7	33.1	56.3	74.6	77.7	86.7	88.7	79.6	68.7	43.2	37.1	59.8
45	36.9	39.4	55.5	59.6	69.0	69.8	90.7	90.8	77.8	69.3	49.7	32.5	61.8
46	44.0	47.2	60.0	71.4	65.1	80.7	92.6	85.2	76.0	56.3	48.0	40.0	63.9
47	38.7	33.5	39.9	58.7	68.0	76.3	90.9	94.6	81.0	75.9	39.2	41.4	61.5
48	36.9	33.3	42.1	66.4	69.4	75.2	87.4	89.3	85.8	67.1	46.0	34.4	61.1
49	16.4	29.6	42.6	67.1	74.2	83.2	94.4	92.2	77.7	60.6	59.8	34.8	61.1
50	20.4	37.6	37.4	52.8	65.8	82.8	84.4	86.6	75.0	70.8	46.5	38.8	58.2
51	32.7	44.3	35.2	58.3	72.8	72.1	85.2	83.2	70.6	59.7	47.6	25.9	57.3
52	28.1	36.3	32.2	66.7	70.8	84.0	90.2	89.6	84.8	66.4	47.1	40.5	61.4
53	41.0	35.2	48.4	51.4	66.1	81.7	88.7	88.7	82.1	73.4	54.7	42.7	62.8
54	34.6	58.0	42.0	63.9	68.4	79.8	97.0	91.0	80.1	61.7	56.8	39.8	64.4
55	36.0	31.7	44.8	68.4	77.4	76.8	95.8	95.0	80.5	68.7	37.6	28.5	61.8
56	31.1	36.3	49.2	54.3	70.8	92.2	89.6	85.5	81.3	72.0	45.6	41.0	62.4
57	22.0	39.7	45.4	53.4	65.7	78.0	92.3	87.0	76.3	61.1	48.0	48.4	59.8
58	45.3	32.2	40.3	58.3	78.5	76.3	83.4	92.8	82.9	68.8	51.1	38.8	62.4
59	32.4	33.0	54.0	59.6	70.0	88.2	92.1	96.1	76.4	60.1	39.7	43.6	62.1
60	34.3	28.8	39.8	63.8	73.4	78.5	95.0	92.3	81.7	70.0	52.2	33.9	62.0
61	39.0	46.3	51.8	58.9	69.2	86.3	90.2	94.1	74.7	67.2	49.2	34.7	63.5
62	31.0	32.8	37.6	66.3	72.6	77.8	84.7	90.3	79.8	68.5	53.5	42.3	61.4
63	27.6	42.7	55.5	60.1	72.1	84.6	91.8	91.8	82.4	76.5	54.2	31.4	64.2
64	39.9	40.6	45.1	61.7	73.8	79.3	93.7	87.9	78.0	67.9	46.8	29.2	62.0
65	33.8	41.1	34.5	62.0	71.3	78.0	88.6	89.0	64.2	71.8	49.6	42.6	60.5
66	25.0	27.4	49.5	54.7	75.2	84.7	96.3	86.7	76.9	66.1	46.0	36.4	60.4
67	36.5	38.1	48.6	61.4	64.1	74.6	88.6	91.3	79.9	67.6	49.4	34.1	61.2

MONTHLY AND SEASONAL SNOWFALL (IN.)

SEASON	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	TOTAL
-10					7.2	0.7	5.0	0	0	12.9
10-11	0	0	1.0	3.0	0.5	6.0	0	0	0	10.5
11-12	0	4.0	2.2	6.3	9.0	0.5	3.0	0	0	25.0
12-13	0	0	0	1.3	2.9	2.3	6.4	5.5	0	18.4
13-14	0	0	0	3.5	0.6	10.7	3.3	0	0	18.1
14-15	0	0	0.5	4.0	6.0	10.0	5.2	0	0	25.7
15-16	0	0	0	1.0	5.0	1.0	2.5	1.4	0	10.9
16-17	0	0.2	2.9	4.0	14.5	4.0	4.0	5.2	0	34.8
17-18	0	0.2	0	4.3	7.7	0.9	1.3	6.2	0	20.6
18-19	0	0	1.3	2.6	0.6	7.8	5.4	6.8	0	24.5
19-20	0	12.3	13.6	3.2	5.7	4.7	6.5	3.4	0	49.4
20-21	0	3.2	4.7	3.0	3.4	1.5	0.1	0.4	0	16.3
21-22	0	0	4.2	5.7	11.0	4.6	0	0	0	25.5
22-23	0	3.3	4.0	6.0	1.0	0	1.2	0.7	0	16.2
23-24	0	1.0	0	4.0	0	2.5	0	0.4	0	07.9
24-25	0	0	3.0	15.0	4.0	3.0	1.0	0	0	26.0
25-26	0	1.0	1.0	5.0	9.0	1.0	2.0	7.5	0	26.5
26-27	0	0	1.0	1.0	2.0	1.0	7.0	28.0	0	40.0
27-28	0	0	5.0	4.0	0.3	1.0	8.0	0	0	18.3
28-29	0	0	6.0	0.4	4.6	0.4	24.4	5.0	0	40.8
29-30	0	3.0	8.0	3.0	5.5	1.5	1.5	0	0	22.5
30-31	0	0.2	8.0	0.5	1.0	0	8.0	0	0	17.7
31-32	0	0	5.0	8.2	4.0	2.0	4.0	0	0	23.2
32-33	0	7.0	0	1.0	2.0	3.0	11.0	0	0	24.0
33-34	0	0	1.2	1.9	2.5	2.0	10.4	0	0	18.0
34-35	0.5	0	2.5	3.0	2.5	7.0	3.5	9.0	0	28.0
35-36	0	2.0	4.0	8.0	13.5	9.0	4.5	1.0	0	42.0
36-37	0	0	8.0	0.5	3.5	1.5	8.0	1.0	0	22.5
37-38	0	0	1.5	2.2	2.5	4.0	3.0	4.5	0	17.7
38-39	0	0	0.2	0.5	0.3	6.5	1.0	0	0	08.5
39-40	0	0	0	6.0	6.5	4.5	1.0	0	0	18.0
40-41	0	0	1.2	1.5	1.9	0.7	2.0	0	0	07.3
41-42	0	0	0	2.5	0	4.2	2.0	0	5.0	13.7
42-43	0	0	1.0	2.0	3.7	2.5	6.0	0	0	15.2
43-44	0	2.5	0	0	1.7	1.0	3.0	0	0	08.2
44-45	0	0	2.0	0.6	2.0	2.8	2.5	0.3	0	10.2
45-46	0	0	0	0.5	1.5	1.5	0.5	6.0	0	10.0
46-47	0	6.5	2.4	2.6	9.2	3.9	8.7	4.2	0	37.5
47-48	0	0	20.6	4.3	5.7	15.7	4.7	0	0.5	51.5
48-49	0	0	0	4.5	19.0	0	7.0	0	0	30.5
49-50	0	2.0	0	5.5	5.5	3.0	24.0	10.5	8.0	58.5
50-51	0	0	0	0	1.0	8.0	8.1	0	0	17.1
51-52	0	0	0.9	17.0	7.0	11.5	11.1	0	0	47.5
52-53	0	0	8.0	1.9	10.5	14.2	6.5	4.0	0	45.1
53-54	0	0	1.0	2.0	1.5	0.5	10.0	0	1.5	16.5
54-55	0	7.0	6.3	0.5	3.0	10.0	4.5	1.5	0	32.8
55-56	0	0.5	5.4	12.8	4.5	3.6	6.3	8.5	1.0	42.6
56-57	0	0	8.5	6.0	6.0	5.7	5.2	18.9	0	50.3
57-58	0	0	0	0	4.0	5.9	2.6	2.0	0	14.5
58-59	0	0	1.0	6.0	3.4	9.6	0	9.4	0	29.4
59-60	0	0	9.7	0	5.4	4.1	10.5	0	0	29.7
60-61	0	0	4.3	5.4	1.4	1.8	9.5	1.4	0	23.8
61-62	0.3	0.6	1.3	1.1	2.6	6.7	9.5	0	0	22.3
62-63	0	0	0	0.7	4.4	5.8	3.0	4.2	0	18.1
63-64	0	0	0	5.1	4.0	1.8	7.6	2.2	0	20.7
64-65	0	0	2.6	9.1	3.6	1.0	9.0	3.5	0	28.8
65-66	0	0	2.0	3.0	3.5	11.5	21.7	5.2	0	46.9
66-67	0	0	4.5	9.2	5.2	8.2	10.0	12.0	2.0	51.1

TOTAL PRECIPITATION (IN.)

YR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNL
10	.66	.07	.76	1.06	2.54	1.30	1.11	.48	.82	.32	.53	.30	9.95
11	.05	.60	.00	.85	1.10	.64	.59	2.41	3.59	1.15	.72	.61	12.31
12	.87	.05	.30	3.32	1.19	.95	2.42	3.44	1.30	.11	.00	.12	14.07
13	.18	.10	.43	1.15	2.95	.59	.81	1.84	1.15	.76	.14	.38	10.48
14	.03	1.18	.35	2.26	2.35	1.64	1.04	1.88	1.19	2.23	.02	.84	15.01
15	.39	1.57	.64	2.80	6.91	4.79	4.59	2.51	2.42	.90	.00	.10	27.62
16	.40	.02	.29	.82	3.87	1.83	1.80	2.22	.18	.57	.15	.14	12.29
17	1.45	.40	.31	1.98	3.30	.62	.90	2.00	1.17	.14	.39	.50	13.16
18	.33	.15	.34	2.27	2.78	1.37	2.29	3.43	1.43	.28	.11	.25	15.03
19	.04	.29	.71	3.75	1.29	4.97	1.55	.20	.25	2.03	.71	.20	15.99
20	.27	.54	.58	2.80	5.53	4.02	.67	1.87	1.63	.93	.36	.18	19.38
21	.17	.10	.17	.40	2.91	.78	3.58	1.10	.41	.78	.29	.21	10.90
22	.94	.32	.00	1.25	2.87	5.43	6.48	.72	.16	.92	2.72	.60	22.41
23	.10	.00	.31	.73	2.41	4.87	5.28	3.08	3.05	1.89	.18	.40	22.30
24	.00	.53	.32	.06	.29	3.03	1.78	1.48	1.00	.85	.31	1.57	11.22
25	.40	.50	.17	1.17	.72	4.80	.60	.39	.49	.58	.13	.50	10.45
26	.90	.10	.20	.75	2.77	1.97	3.52	1.56	.37	1.12	.16	.10	13.52
27	.20	.11	.73	5.54	5.16	3.26	2.38	2.21	.63	.00	.40	.40	21.02
28	.03	.13	.86	.35	1.14	3.85	3.11	.94	1.65	1.19	.77	.04	14.06
29	.46	.04	2.68	2.51	2.20	3.56	1.74	.89	1.44	1.43	.90	.30	18.15
30	.55	.64	.61	3.59	1.85	.94	.99	7.82	1.20	3.98	.85	.05	23.07
31	.10	.05	2.03	.17	1.27	.62	.84	.82	1.65	.71	.50	.82	9.58
32	.40	.20	.40	3.67	3.60	4.34	2.35	.74	.26	1.21	.00	.10	17.27
33	.24	.30	1.68	2.72	4.65	.56	.43	3.14	.32	.03	.27	.19	14.53
34	.38	.20	1.15	.39	.45	4.69	1.01	1.35	.26	1.41	.50	.20	11.99
35	.25	.48	.85	3.65	3.60	1.68	2.76	1.08	.06	.11	.24	.92	15.68
36	1.40	.52	.45	1.17	.70	.08	.08	.60	.79	.32	.80	.22	7.13
37	.21	.12	1.80	.79	2.52	3.40	4.29	.21	.75	.17	.05	.34	14.65
38	.17	.17	1.39	1.88	4.29	2.00	.99	1.29	1.53	.31	.83	.05	14.90
39	.24	.46	.07	.71	1.54	1.34	.60	1.14	1.08	.72	.00	.45	8.35
40	.65	.45	.46	1.77	.57	2.11	2.50	.46	.19	.31	.13	.24	9.84
41	.21	.08	.28	3.90	1.50	4.64	1.95	1.41	1.57	2.68	.15	.05	18.62
42	.00	.28	.44	4.05	5.43	3.93	2.26	.90	1.03	.36	.29	.35	19.32
43	.11	.03	.16	.71	3.83	4.11	.02	.96	.19	.83	.01	.00	10.98
44	.36	.32	.40	.84	3.03	2.96	1.91	1.10	.10	.50	1.35	.00	12.87
45	.22	.13	1.02	.85	2.41	3.79	.47	1.23	1.07	.11	.00	.09	11.39
46	.01	.28	.63	.98	4.90	2.50	.36	2.90	3.64	1.18	.16	.21	17.75
47	.61	.13	.56	1.62	1.02	4.40	.85	1.76	.08	1.10	.82	.02	12.97
48	.18	.24	.45	2.97	2.97	5.10	1.60	1.17	.04	.93	.33	1.08	17.06
49	3.08	.00	.56	1.37	1.74	2.18	.35	2.05	.39	2.83	.01	.21	14.77
50	.47	.42	2.20	1.02	2.08	.35	2.08	.30	2.28	.33	.38	.02	11.93
51	.12	1.15	1.45	.46	1.51	4.64	2.41	3.51	2.21	1.54	.09	1.83	20.92
52	1.30	1.44	1.80	.14	3.46	5.77	1.16	.27	.56	.00	.69	.12	16.71
53	1.74	1.82	1.57	3.33	1.24	3.41	1.50	1.45	.07	1.98	.16	.31	18.58
54	.12	.41	1.68	.18	3.39	1.69	.40	1.14	.63	2.50	.63	.04	13.01
55	.23	.42	.31	1.15	2.51	1.84	1.54	.39	3.89	.08	.49	1.10	13.95
56	.26	.20	.52	1.31	2.75	.73	3.08	3.21	.83	.00	1.30	.44	14.63
57	.28	.40	.44	2.80	5.14	5.43	1.63	3.33	.99	1.80	.27	.00	22.51
58	.38	.54	.80	2.56	1.72	4.68	3.63	1.35	.21	.10	.10	.36	16.43
59	.53	.93	.34	1.12	4.36	3.00	.70	.08	3.24	.11	1.10	.02	15.53
60	.63	.88	.81	1.36	3.10	3.11	2.31	1.60	.56	.00	.55	.27	15.18
61	.08	.13	1.12	.37	3.44	2.67	2.69	.59	1.80	.88	.06	.23	14.08
62	.21	.61	.85	.44	4.50	2.58	2.96	.66	.23	1.79	.05	.04	14.92
63	.38	.21	.45	1.47	5.57	4.31	2.28	.29	1.08	.98	.12	.23	17.37
64	.14	.04	.59	3.59	2.55	5.31	.87	1.36	.17	.00	.14	.59	15.35
65	.35	.04	.50	1.86	5.40	3.44	1.11	1.30	1.49	.63	.62	.61	17.35
66	.22	.45	2.08	1.59	.56	1.43	1.72	2.42	3.23	.81	.27	.48	15.26
67	.24	.22	.45	3.87	2.26	9.47	.38	.52	1.73	.31	.21	.52	20.18