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U587cl
South Dakota
Newell
n.a.

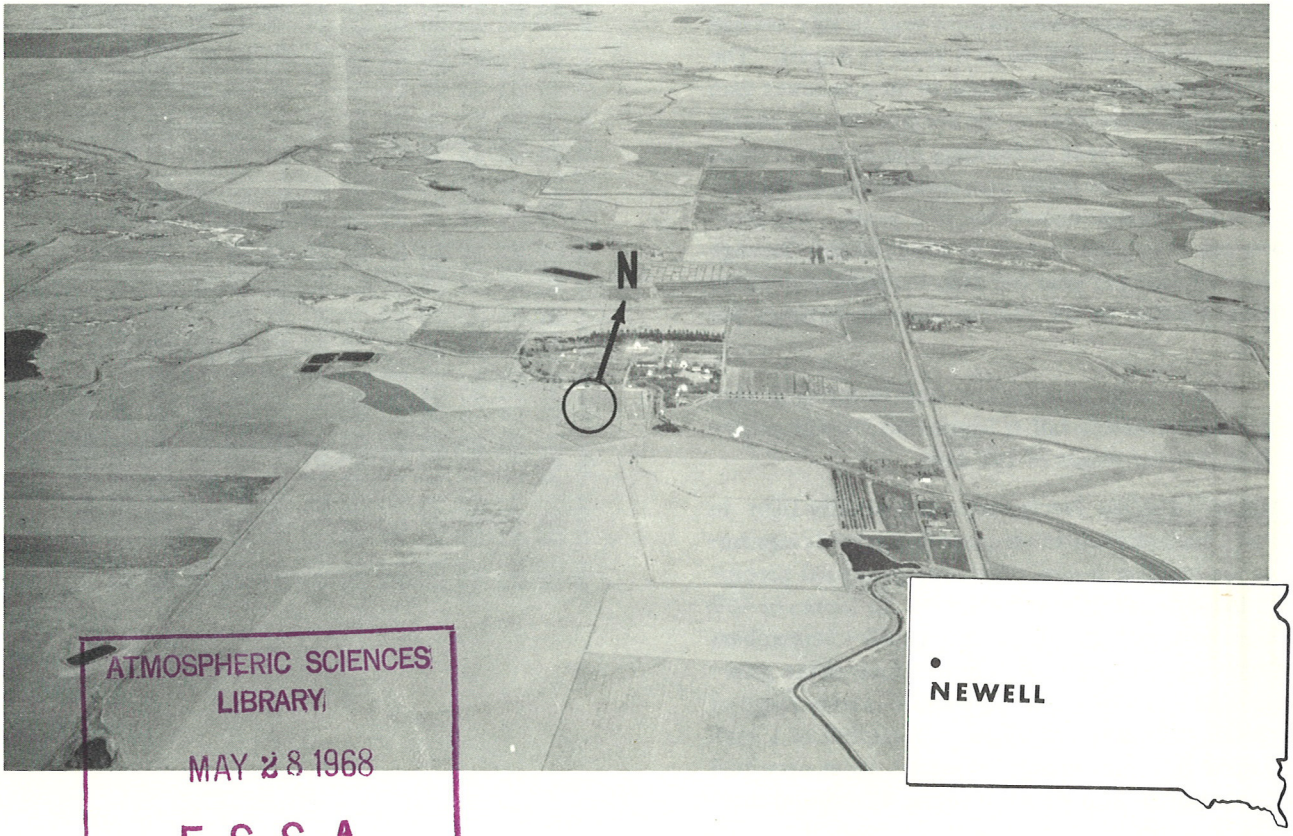
CLIMATOLOGICAL SUMMARY

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

NO. 10

NEWELL
South Dakota

LATITUDE 44° 44′ N LONGITUDE 103° 27′ W ELEVATION 2,870 FT. M.S.L.



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STATION HISTORY

Weather observations were first made in January 1908 at the U. S. Department of Agriculture Experiment Farm located about 2 miles northwest of Newell and have continued at approximately the same location to date. The observations were made by Experiment farm personnel. The weather instruments were moved a short distance several times on the farm. The elevation of the instruments were as follows: January 1908 to August 1920 - 2816 ft., September 1920 to March 1957 - 2878 ft., April 1957 to date - 2870 ft. M. S. L. The weather instruments consist of a standard rain gage, recording rain gage, maximum and minimum thermometers, psychrometer, evaporation pan, six's thermometer and an anemometer.

The Weather Bureau began general supervision of the weather observations and publication of the weather records in November 1920 except for the evaporation pan observation for which supervision and publication began in April 1949. Prior to November 1920, snowfall was not reported.

STATION SUMMARY

Newell is located in south central Butte County and west central part of the state. The northeastern part of the Black Hills is about 20 miles to the south. The Black Hills may act as a precipitation shield for moist air flow from the south. There are no nearby large bodies of water that significantly affect the climate. Belle Fourche Reservoir, which is about 10 miles long and 3 miles at its widest part, lies about 10 miles to the west. Land nearby is irrigated from this reservoir. The topography in the area is level to slightly rolling. The climate is a continental type.

The local economy is dependent on agricultural products. The main crops are hay, corn, and oats. Livestock feeding consumes most of the crops locally.

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—2-68—7132

STATION SUMMARY

TEMPERATURES: Temperatures in the Newell area have a large variation from summer to winter and occasionally from day to day. Temperature usually reaches 100 degrees or higher during the summer and drops to 20 degrees below zero or lower during the winter. A reading of over 100 degrees may be expected on the average about twice a year in July, once in 2 years in June and twice in 3 years in August. The temperature may be expected to drop to lower than 20 degrees below zero on the average twice a year in January, once a year in February and once in 2 years in December. A 30 below zero reading may be expected on the average about once in 3 years. The temperature may drop to zero or lower on the average about 27 days per year and fails to climb above zero during the day on the average about three times per year.

The average date for last frost in spring is May 16, and first frost in fall is September 24, with an average growing season of 131 days.

PRECIPITATION: Precipitation is generally light in winter and marginal to adequate for adapted crops during the growing season. The average annual precipitation is 15.47 inches of which 12.12 inches or 78% falls during the growing season (April - September). Thundershowers are associated with most of the growing season precipitation and produce a wide range of rainfall intensities and amounts. A rainfall of 1 inch or more in 1 hour may be expected about once in 2 years, and about once in 20 years, 2 inches or more may be expected in 1 hour. A 24-hour rain of 2 inches or more may be expected about once in 5 years and of 3 inches or more about once in 20 years.

Hail occasionally accompanies thunderstorms and may be expected about once a year. The months of most frequent occurrence are June and July, but hail has fallen as early as March and as late as November.

Seasonal snowfall averages ~~26~~ 21 inches but has ranged from 10 inches during the 1920-1921 season to 66 inches during the 1949-1950 season. Strong winds often accompany snowfall causing large drifts in sheltered areas while open fields remain nearly bare.

OTHER CONSIDERATIONS: Winds average about 11 MPH with prevailing direction from the northwest. Winds of 50 MPH or more may occur 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 or an intense low pressure area.

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

AVERAGE TEMPERATURE, 1908-1965 (°F.)

YR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNL
08	26.9	23.0	31.6	48.5	52.2	61.7	71.3	67.1	64.5	45.4	36.6	21.5	45.9
09	11.8	22.4	32.2	38.4	52.3	66.0	70.7	74.7	62.0	46.0	30.0	9.5	43.0
10	18.1	7.6	46.0	50.6	52.0	68.7	75.0	67.6	59.1	51.0	31.0	25.0	46.0
11	19.0	22.0	39.7	43.6	58.3	72.8	70.8	65.5	60.3	44.1	24.6	20.2	45.1
12	11.6	24.0	18.5	47.6	54.7	66.3	70.0	67.6	51.8	45.2	37.4	27.2	43.5
13	12.4	17.0	22.5	48.3	53.1	66.6	70.6	74.2	59.5	41.6	36.9	23.2	43.8
14	27.1	14.1	32.7	44.4	56.0	66.2	75.8	68.4	63.0	48.4	38.2	14.7	45.8
15	15.1	19.3	20.7	52.5	51.6	59.0	64.3	66.1	55.8	50.2	34.1	24.6	42.8
16	5.3	22.0	33.9	42.3	52.1	60.6	75.3	67.7	58.2	42.8	32.4	12.8	42.1
17	13.1	11.6	24.9	40.3	49.7	61.6	74.9	67.2	60.2	41.8	41.3	13.4	41.7
18	8.7	19.7	39.6	40.7	55.1	68.7	69.2	69.9	55.9	49.9	30.9	25.3	44.5
19	29.3	17.8	31.1	43.4	56.2	70.2	75.0	71.2	61.3	34.7	23.4	16.8	44.2
20	18.7	23.9	28.2	35.7	52.6	61.7	69.9	69.3	60.1	49.0	28.3	22.2	43.3
21	25.7	29.5	35.2	43.2	53.9	70.0	73.6	71.2	59.6	50.7	29.9	22.9	47.1
22	9.6	6.8	29.5	42.3	54.8	66.0	66.9	72.4	63.8	49.2	31.6	16.7	42.5
23	24.3	16.5	27.5	42.0	54.4	64.6	73.5	66.7	60.2	44.2	39.2	26.0	44.9
24	11.3	23.8	25.6	42.8	50.4	61.9	69.4	68.0	58.0	51.3	33.6	14.7	42.6
25	15.3	28.9	34.4	50.3	56.1	63.5	71.5	71.4	62.0	34.2	35.0	24.4	45.6
26	22.7	29.0	33.5	45.8	57.5	63.9	71.7	68.9	55.4	49.0	29.1	21.1	45.6
27	16.3	22.6	33.6	40.8	51.1	62.3	68.4	65.6	59.3	50.2	28.0	5.3	42.0
28	22.1	25.6	35.9	40.8	59.8	58.4	70.3	68.9	57.4	46.3	34.0	27.9	45.6
29	6.3	10.0	33.7	44.6	51.6	62.4	72.8	73.0	54.3	48.8	31.3	21.4	42.5
30	7.1	34.1	31.6	50.8	53.1	64.5	74.9	72.1	60.2	43.2	33.9	26.0	46.0
31	28.1	33.4	30.7	45.8	54.5	71.7	74.6	70.2	65.0	49.2	33.0	25.9	48.5
32	13.9	21.9	25.2	49.1	57.1	66.7	73.2	70.8	59.7	40.7	35.2	18.8	44.4
33	25.8	18.2	33.5	43.0	52.2	71.3	75.9	68.2	62.8	48.6	38.4	22.4	46.7
34	27.8	28.7	32.5	45.6	64.9	66.9	75.4	69.7	53.1	50.6	38.3	24.5	48.1
35	20.1	31.7	33.8	39.9	48.9	62.2	76.9	70.0	61.9	46.1	29.6	24.0	45.4
36	10.8	2.1	32.9	40.2	61.9	70.5	80.8	73.1	62.4	47.2	35.3	23.5	45.1
37	1.9	17.8	28.9	42.1	57.9	63.4	73.5	74.9	62.0	49.5	31.3	22.5	43.8
38	25.4	20.5	37.3	44.3	54.1	66.5	72.7	73.1	64.2	53.5	30.5	25.4	47.3
39	28.2	13.0	33.8	46.8	61.6	62.8	77.0	69.3	63.1	47.3	38.3	32.6	47.8
40	10.5	22.8	32.4	41.4	57.2	66.8	75.8	70.7	65.9	53.5	28.2	26.9	46.0
41	22.4	24.7	31.4	45.2	60.5	64.3	73.2	71.1	56.8	45.1	36.8	26.1	46.5
42	24.0	20.6	32.7	49.0	50.2	60.9	70.4	69.9	56.8	48.2	31.5	23.2	44.8
43	9.9	29.4	22.2	50.0	51.6	62.2	72.5	73.6	58.9	49.1	33.2	25.2	44.8
44	22.8	14.9	19.0	42.5	58.1	61.0	68.9	68.8	59.2	49.4	27.9	19.0	42.6
45	20.3	19.4	32.2	41.0	50.7	56.5	71.0	71.4	56.9	49.2	32.0	18.6	43.3
46	25.5	28.9	40.2	51.8	50.6	62.9	72.7	67.2	58.9	41.5	31.5	22.0	46.1
47	22.2	16.7	25.5	43.5	53.1	60.3	73.1	75.1	61.4	53.7	28.3	27.5	45.0
48	20.6	17.9	26.8	47.9	55.5	63.4	70.7	71.1	66.3	48.6	33.3	18.8	45.1
49	3.1	10.5	27.5	49.2	57.5	65.3	74.1	73.4	57.8	46.1	43.9	17.3	43.8
50	0.7	23.1	22.8	38.1	50.0	65.0	67.9	67.2	59.1	51.4	30.5	26.3	41.7
51	19.6	24.2	21.4	40.5	56.4	57.4	71.0	70.1	54.4	45.4	29.1	15.4	42.1
52	13.7	24.4	21.9	49.0	56.4	69.0	70.6	71.7	64.4	47.5	32.1	26.6	45.6
53	27.2	25.4	34.5	38.7	50.9	65.6	71.7	70.5	61.4	52.1	38.4	27.9	47.0
54	14.3	37.7	23.3	41.8	52.7	61.3	75.9	71.5	61.3	45.3	40.9	26.5	46.0
55	22.1	16.7	26.4	47.3	57.8	61.9	74.8	74.3	60.1	50.1	22.0	14.0	44.0
56	16.0	17.7	33.4	37.9	56.0	70.7	71.8	69.4	59.7	50.4	32.4	27.6	45.3
57	7.5	24.1	31.4	40.2	54.4	61.5	73.8	70.8	57.6	46.2	34.0	32.3	44.5
58	27.5	17.6	29.0	43.3	60.1	60.6	66.2	73.0	61.0	48.9	33.4	22.1	45.2
59	16.8	12.5	36.0	40.8	52.3	68.4	71.0	73.4	57.6	41.9	24.6	29.1	43.7
60	19.4	15.9	23.4	45.5	54.9	65.1	75.0	70.2	60.8	48.6	34.0	22.5	44.6
61	22.5	30.6	37.3	40.8	54.3	69.8	71.7	75.1	53.6	46.7	29.2	17.9	45.8
62	16.1	21.6	25.4	46.8	55.1	62.5	66.7	68.4	57.0	49.8	37.7	27.1	44.5
63	10.0	26.2	37.8	43.5	55.2	65.7	72.2	72.6	64.4	57.4	36.6	19.6	46.8
64	25.3	25.7	26.9	44.5	56.7	63.3	74.4	67.0	56.9	49.1	29.5	14.1	44.5
65	22.4	21.1	18.5	44.5	52.8	62.8	70.2	68.9	48.3	52.1	34.2	28.6	43.7

Sunshine is an important factor in crop production. This area receives about 62% of possible annual sunshine. The greatest possible amount is received in July and August when it is about 70%. The lowest amount is received in December when it is about 50%.

Relative humidity usually has an appreciable variation from early morning to afternoon and occasionally from day to day. It averages from about 40% in afternoon to about 70% in early morning during summer and from about 60% in afternoon to about 75% in early morning during winter.

Water loss experienced by soils and crops is indicated by the evaporation from a large pan. The average annual Weather Bureau Class A pan evaporation is about 57 inches of which 44 inches or 78% evaporates from May through October. Average annual lake evaporation is about 40 inches. The actual loss from soil is usually less since the soil moisture is often limiting.

PROBABILITY DATE OF LAST TEMPERATURE OCCURRENCE IN SPRING, 1908-1965 (°F.)

PERCENT CHANCE OF LATER DATE	TEMPERATURE LEVELS 16	20	24	28	32	36
90	MAR. 13	MAR. 20	MAR. 30	APR. 13	APR. 28	MAY 8
70	MAR. 20	MAR. 28	APR. 7	APR. 20	MAY 4	MAY 14
50	APR. 4	APR. 13	APR. 22	MAY 4	MAY 16	MAY 26
30	APR. 18	APR. 27	MAY 6	MAY 16	MAY 27	JUNE 6
10	APR. 25	MAY 6	MAY 14	MAY 23	JUNE 2	JUNE 12

PROBABILITY DATE OF FIRST TEMPERATURE OCCURRENCE IN SPRING, 1908-1965 (°F.)

PERCENT CHANCE OF EARLIER DATE	TEMPERATURE LEVELS 16	20	24	28	32	36
10	OCT. 10	OCT. 5	SEP. 22	SEP. 12	SEP. 3	AUG. 20
30	OCT. 18	OCT. 12	SEP. 30	SEP. 20	SEP. 10	AUG. 29
50	NOV. 2	OCT. 25	OCT. 14	OCT. 4	SEP. 24	SEP. 14
70	NOV. 15	NOV. 6	OCT. 28	OCT. 17	OCT. 6	SEP. 29
90	NOV. 23	NOV. 13	NOV. 5	OCT. 25	OCT. 13	OCT. 7

MEANS AND EXTREMES,* 1908-1965

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.	29.5	5.7	17.6	70	31	29	-38	27	22	1430	0	15	30	10
Feb.	33.1	9.0	21.0	73	51	11	-36	36	14	1219	0	12	27	7
Mar.	42.0	18.3	30.1	87	10	22	-26	60	04	1072	0	8	28	3
Apr.	57.0	31.3	44.1	91	39	30	-11	36	03	624	0	1	16	0
May	67.4	41.9	54.6	100	39	30	12	50	01	333	0	0	3	0
June	77.2	51.8	64.5	108	10	20	32	51	02	102	3	0	0	0
July	86.7	57.8	72.2	110	36	06	36	59	01	13	12	0	0	0
Aug.	85.2	55.4	70.3	108	47	09	32	11	27	29	11	0	0	0
Sept.	74.1	44.9	59.5	106	54	01	09	26	25	210	3	0	2	0
Oct.	61.7	33.4	47.5	95	53	02	-16	25	28	541	0	0	13	0
Nov.	45.0	20.7	32.8	78	18	04	-24	59	14	961	0	5	27	1
Dec.	33.8	10.4	22.1	74	39	05	-33	27	08	1309	0	12	30	6
Annual	57.7	31.7	44.7	JULY 110	36	6	JAN. -38	27	22	7843	29	53	176	27

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	1.67	26	.63	44	27	3.9	20.2	49	8.0	36	17	5	1	0	0
Feb.	.36	1.01	15	1.00	14	21	3.1	11.3	52	4.4	45	15	4	1	0	0
Mar.	.72	2.42	54	1.22	37	24	4.7	25.7	54	12.5	37	24	6	2	0	0
Apr	1.57	5.45	41	2.05	12	13	2.3	23.9	27	19.0	27	12	8	4	1	0
May	2.74	9.35	46	4.00	20	10	0.5	8.5	50	8.0	65	09	10	6	2	0
June	3.07	6.42	41	2.32	64	09	0.0	0.0		0.0			11	7	2	1
July	2.13	6.52	22	3.24	37	13	0.0	0.0		0.0			8	4	1	0
Aug.	1.34	5.35	23	1.51	32	14	0.0	0.0		0.0			6	4	1	0
Sept.	1.27	5.95	23	2.91	23	27	0.1	3.0	34	3.0	65	16	6	3	1	0
Oct.	.97	3.84	24	1.27	46	05	1.4	13.7	32	8.0	54	26	5	3	1	0
Nov	.52	2.82	22	1.89	22	04	2.0	12.5	47	7.9	44	14	4	2	0	0
Dec.	.36	1.28	09	.60	08	17	3.1	17.1	55	7.5	31	30	4	1	0	0
Annual	15.47	MAY 9.35	46	MAY 4.00	20	10	21.1	MAR. 25.7	54	APR. 19.0	27	12	77	38	9	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, 1908-1965 (°F.)

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

JANUARY DAILY EXTREME VALUES

DAY	MAX	YR	MIN	YR	PREC	YR	SNFL	YR	MEAN TEMP
01	59	64	-33*	24	.22	56	3.0	61	18.8
02	59	64	-29	24	.28	43	3.4	43	19.3
03	58	55	-21	24	.30*	43	3.4	43	19.8
04	61	62	-30	50	.44	49	5.3	49	20.3
05	58	35	-32	13	.36	49	4.3	49	18.9
06	56	58	-33	13	.16	37	1.9	37	17.9
07	62	54	-30	13	.15	12	1.0	44	21.2
08	56*	65	-19	37	.18	45	1.0	45	22.1
09	63	58	-22	37	.08	18	2.0	57	22.1
10	57	41	-24	12	.21	63	2.5	63	19.3
11	59	41	-27	13	.12	18	1.0	64	19.1
12	55	60	-27*	16	.20	10	2.0	47	18.8
13	63	53	-28	16	.08	57	1.0	57	18.6
14	57	33	-27	16	.20	15	1.0	58	18.6
15	55	21	-18	50	.32*	53	3.2	53	18.2
16	53	42	-24	30	.12	43	1.4	49	16.0
17	60	46	-27*	30	.31	36	8.0	36	17.4
18	64	19	-27	43	.45	26	5.0	26	18.4
19	60	08	-34	63	.51	20	1.0	62	17.2
20	56	44	-26*	63	.22*	45	2.2	45	15.3
21	59	64	-36	49	.13	52	4.5	63	16.0
22	60	64	-38	27	.55	22	5.5	22	16.3
23	61	34	-28	27	.26	49	4.0	49	16.9
24	54	46	-26	29	.31	36	5.0	36	16.4
25	48	31	-24	49	.26	54	3.5	54	15.9
26	59	31	-30	18	.10	64	3.0	64	14.7
27	58	34	-24	18	.63	44	6.0	44	16.1
28	59	11	-20	29	.56	44	7.0	44	18.8
29	70	31	-32	18	.08	47	1.6	47	15.8
30	62	31	-30	18	.53	15	2.0	26	16.0
31	59	60	-33	18	.25	58	3.5	58	17.3

* INDICATES PRIOR OCCURRENCE OF INDICATED VALUE

FEBRUARY DAILY EXTREME VALUES

DAY	MAX	YR	MIN	YR	PREC	YR	SNFL	YR	MEAN TEMP
01	66	34	-36	17	.24	39	2.5	39	18.3
02	61	31	-23	17	.54	24	3.5	24	17.9
03	62	62	-18	23	.63	17	2.3	36	19.1
04	68	62	-21	36	.52	15	2.0	55	21.6
05	63	63	-28*	14	.26	29	2.6	29	22.4
06	66	63	-25	36	.06	51	0.9	51	21.9
07	60	63	-31	29	.24	37	2.8	37	20.5
08	62	60	-30*	36	.23	09	2.4	36	19.5
09	69	54	-30	36	.25	55	4.0	60	21.3
10	59	54	-21*	39	.38	53	4.2	53	21.2
11	73	51	-24	44	.05	48	1.5	58	22.2
12	62	21	-24	44	.27	15	3.3	36	22.4
13	66	34	-32	23	.28	18	0.6	36	21.0
14	65	54	-36	36	.24	52	3.0	52	21.4
15	65	54	-31	36	.50	10	4.4	45	22.0
16	62	61	-29	36	.26	53	3.2	53	22.6
17	64	48	-22	36	.19	59	2.8	59	23.1
18	72	30	-20	36	.09	18	1.0	55	23.2
19	66	54	-26	29	.24	52	3.2	52	19.8
20	66	65	-24	59	.13	64	3.0	64	20.4
21	63	43	-26	10	1.00	14	3.5	50	20.5
22	65	61	-18	10	.43	35	3.0	35	21.8
23	69	58	-25	65	.23	19	3.5	42	21.8
24	65	58	-26	22	.25	48	4.0	48	21.4
25	64	57	-17	22	.19	63	0.6	41	22.8
26	68	58	-26	34	.44	58	2.2	23	23.4
27	69	32	-25	19	.07	19	0.7	48	23.9
28	61	21	-27	22	.22	51	3.5	52	24.9

* INDICATES PRIOR OCCURRENCE OF INDICATED VALUE

MARCH DAILY EXTREME VALUES

DAY	MAX	YR	MIN	YR	PREC	YR	SNFL	YR	MEAN TEMP
01	64	41	-20*	62	.04*	54	0.5	60	26.0
02	69	46	-18	62	.24	53	2.7	53	26.5
03	67	21	-17	60	.44	51	5.5	51	25.7
04	70	21	-26	60	.18	35	5.0	33	25.3
05	74	37	-12	60	.84*	35	7.7	35	23.6
06	69	37	-21	45	.37	40	1.7	57	23.6
07	69	11	-15	32	.18	25	2.9	34	24.3
08	62	27	-19*	51	.27	18	2.0	60	26.8
09	65	54	-11	51	.23	40	5.0	43	28.4
10	70	11	-19	48	.35	20	3.7	50	28.7
11	71	54	-20*	48	.36	29	3.6	29	29.4
12	69	33	-25	50	.80	54	8.5	54	29.6
13	70	14	-18	50	.31	13	2.8	29	29.1
14	72	35	-16	25	.23	19	3.0	49	28.6
15	68	10	-14	49	.35	43	5.0	43	29.4
16	70	21	-05	43	.35	08	2.1	46	31.4
17	76	16	-08	43	.32	33	4.0	33	33.5
18	76	21	-06	43	.54	50	5.5	50	32.5
19	73	10	-14	65	1.01	54	9.0	54	33.0
20	78	11	-20	13	.11	55	1.2	52	33.9
21	81	10	-15	13	.51	46	2.7	40	34.9
22	87	10	-03	13	.46	46	4.2	46	37.1
23	78	39	-10	65	.25	51	1.6	51	35.7
24	79	39	-10	65	1.22	37	12.5	37	34.5
25	77	61	-16	65	.47	38	4.0	38	33.4
26	73	18	-16	37	.78	10	3.4	50	31.8
27	78	46	-04	37	.35	50	3.8	50	35.1
28	77	43	-12	37	.25	40	3.0	54	35.5
29	83	43	-04	44	.25	16	1.2	34	34.7
30	76	46	-09	36	.24	36	3.3	36	35.0
31	82	46	-05	36	.86	27	10.5	27	37.1

* INDICATES PRIOR OCCURRENCE OF INDICATED VALUE

APRIL DAILY EXTREME VALUES

DAY	MAX	YR	MIN	YR	PREC	YR	SNFL	YR	MEAN TEMP
01	76	32	05	36	.46	58	1.3	36	39.0
02	81	21	-08	36	.59	34	7.0	34	38.2
03	83	43	-11	36	1.14	46	7.0	34	39.4
04	75	48	08*	36	.54	55	4.0	35	40.1
05	74	59	00	36	1.68	22	2.0	65	39.7
06	79	60	05	36	.65	38	6.5	38	39.6
07	80	31	02	38	.76	53	1.3	53	39.0
08	84	30	-03	23	.39	33	2.0	53	41.0
09	82	10	11	21	.55	27	0.1	53	42.9
10	78	12	13*	14	.82	63	5.5	50	42.8
11	83	31	09	40	.75	61	4.9	27	44.1
12	82	08	06	40	1.27	27	19.0	27	44.0
13	88	08	06	09	2.05	12	0.0		45.4
14	85	13	09	28	1.00	41	0.1	28	47.1
15	89	42	13	21	.63	18	2.5	44	46.6
16	86	26	09	51	1.00	20	1.5	40	46.2
17	84	58	16*	61	.32	18	0.1	24	46.7
18	86	23	13	45	.30	20	0.1	24	47.1
19	85	36	18	53	1.82	33	0.0		48.1
20	89	10	20*	51	.55*	48	0.8	51	47.8
21	86	62	01	27	.30	40	0.0		48.5
22	86	39	18	51	.60	44	2.3	47	49.2
23	88	42	14	31	1.42	15	0.5	23	48.7
24	83	62	20	31	.73	42	0.2	24	46.9
25	84	62	21	21	.53	42	0.8	24	46.9
26	81	52	16	50	1.00	42	0.0		46.9
27	89	10	22	61	.84	62	0.0		49.5
28	89	52	18	61	1.22	63	1.3	50	49.0
29	89	13	17	56	1.07	41	7.2	50	49.7
30	91	39	09	50	1.30	36	7.5	36	49.5

* INDICATES PRIOR OCCURRENCE OF INDICATED VALUE

MAY DAILY EXTREME VALUES

DAY	MAX	YR	MIN	YR	PREC	YR	SNFL	YR	MEAN TEMP
01	86	59	12	50	1.70	46	0.3	54	50.6
02	90	55	18	54	1.05	46	0.5	54	51.5
03	86	57	15	54	.91	64	0.0		52.5
04	94	52	24	35	.64	12	1.5	50	52.3
05	94	26	20	44	.83	27	0.0		52.2
06	94	11	24	29	.58	26	1.0	24	50.9
07	93	34	25	38	1.16*	27	0.0		51.6
08	94	34	20	45	1.71	27	7.0	50	52.2
09	92	16	23	43	1.80	65	8.0	65	53.4
10	82	62	26	16	4.00	20	2.4	48	52.5
11	94	40	27	46	1.14	20	2.0	43	52.9
12	88	41	18	43	.79	16	0.1	43	54.2
13	91	32	25	43	.64	08	0.0		54.6
14	91	31	27	59	.60	16	3.0	45	55.2
15	95	36	25	21	1.34	65	0.0		55.3
16	93	34	26	23	.81	42	0.0		55.8
17	91	34	26	09	.76	42	3.0	42	56.7
18	91	34	27	43	.74	28	0.3	24	57.0
19	92	48	30*	31	1.28	62	0.0		55.7
20	94	48	28	10	1.27	17	0.0		55.9
21	95	64	21	31	.91	57	0.0		56.6
22	90	58	26*	63	3.92	33	0.0		58.7
23	91	31	30	47	1.28	46	0.0		58.2
24	93	29	28	24	1.69	46	0.0		60.1
25	95	31	34	24	1.66	29	0.0		60.5
26	96	34	32	50	.80*	26	0.0		59.5
27	99	34	30	24	1.19	26	0.0		59.7
28	100	34	31	52	.89*	56	0.0		59.9
29	100	34	21	47	1.68	09	0.0		60.5
30	100	39	25	47	2.92	32	0.0		60.4
31	94	33	30	17	.94	46	0.0		60.8

* INDICATES PRIOR OCCURRENCE OF INDICATED VALUE

JUNE DAILY EXTREME VALUES

DAY	MAX	YR	MIN	YR	PREC	YR	SNFL	YR	MEAN TEMP
01	94	11	32	19	1.32	29	0.0		59.9
02	90	14	32	51	.87	13	0.0		60.2
03	87	48	33*	54	1.29*	40	0.0		60.3
04	97	11	33	51	1.17	40	0.0		61.6
05	94	39	36	10	1.24	23	0.0		61.5
06	93	52	33	15	1.70	34	0.0		61.4
07	97	59	32*	35	.56	22	0.0		62.5
08	94	20	37*	65	1.42	58	0.0		62.6
09	94	18	40	25	2.32	64	0.0		63.2
10	100	18	37	28	1.92	41	0.0		63.9
11	102	21	35	47	1.73	28	0.0		63.5
12	100	56	37	47	1.25	26	0.0		64.3
13	103	52	36	42	.67	37	0.0		65.4
14	95	59	40*	49	1.30*	61	0.0		66.4
15	99	36	39	57	1.52	53	0.0		66.5
16	103	31	38	45	1.01	62	0.0		67.4
17	99	33	40	54	.45*	48	0.0		66.9
18	96	33	37	45	1.37	46	0.0		65.9
19	100	10	39	44	.86	54	0.0		66.7
20	108	10	38	29	1.49	53	0.0		67.5
21	97	38	39	58	2.16	47	0.0		67.0
22	102	19	37	42	1.28	47	0.0		68.4
23	105	31	42	16	2.22	40	0.0		68.6
24	106	36	40	29	.80	22	0.0		68.2
25	102	36	34	58	1.30	62	0.0		69.5
26	104	31	40	58	.70	29	0.0		69.3
27	102	36	45*	08	1.64	21	0.0		70.5
28	106	31	39	51	1.02	13	0.0		69.9
29	107	19	40	51	.58	15	0.0		71.2
30	101	55	43	24	1.84	26	0.0		70.5

* INDICATES PRIOR OCCURRENCE OF INDICATED VALUE

JULY DAILY EXTREME VALUES

DAY	MAX	YR	MIN	YR	PREC	YR	SNFL	YR	MEAN TEMP
01	100	19	36	59	.81	43	0.0		69.7
02	101	35	44	45	.68*	23	0.0		71.3
03	104	49	41	15	1.50	64	0.0		71.6
04	104	61	42	15	1.13	62	0.0		72.1
05	109	36	43	59	1.14*	29	0.0		71.7
06	110	36	42	34	2.16	28	0.0		72.6
07	105	11	44	45	.52	22	0.0		73.0
08	100	36	42*	52	1.62	23	0.0		72.6
09	105	30	44*	10	.49	36	0.0		72.9
10	105	54	43*	45	.78	49	0.0		74.2
11	104	36	42	22	1.24	58	0.0		73.5
12	100	55	44	22	.96	63	0.0		73.4
13	100	40	37*	50	3.24	37	0.0		72.4
14	105	10	40	12	2.50	15	0.0		72.5
15	109	10	47	58	1.60	27	0.0		74.5
16	105	36	46	11	.84	42	0.0		74.4
17	102	19	46	43	1.20	37	0.0		74.5
18	105	31	49	16	.67*	46	0.0		74.8
19	104	36	46	50	1.06*	10	0.0		74.6
20	102	51	48*	19	1.79	22	0.0		74.4
21	107	60	41	09	1.26	48	0.0		73.9
22	103	60	48*	61	.56	22	0.0		75.2
23	107	36	41	11	1.73	55	0.0		74.3
24	105	49	41	11	.94	20	0.0		75.0
25	109	52	46	18	1.05	21	0.0		75.5
26	104	31	47*	13	1.38	53	0.0		76.0
27	108	17	48	48	.70	21	0.0		75.5
28	106	47	47	44	.55	26	0.0		75.0
29	102	33	49*	62	.85	19	0.0		74.3
30	101	51	42	13	.67	15	0.0		73.3
31	101	43	41*	25	.64	44	0.0		74.0

* INDICATES PRIOR OCCURRENCE OF INDICATED VALUE

AUGUST DAILY EXTREME VALUES

DAY	MAX	YR	MIN	YR	PREC	YR	SNFL	YR	MEAN TEMP
01	103	43	47	25	.44	27	0.0		74.9
02	106	38	49	50	1.11*	12	0.0		73.4
03	103	34	47	10	.86	19	0.0		72.9
04	104	47	43*	52	.49	22	0.0		74.8
05	102	09	49	46	1.41	24	0.0		74.2
06	102	49	47	45	1.22	60	0.0		72.7
07	104	61	39*	21	.85	54	0.0		73.1
08	102	49	39*	17	.46	23	0.0		72.6
09	108	47	45	60	.92*	23	0.0		72.7
10	105	35	44	31	.93	16	0.0		72.2
11	101	28	44	39	.25	21	0.0		72.3
12	104	38	36	64	.60	50	0.0		71.9
13	101	37	47	63	1.19*	50	0.0		72.4
14	104	13	45	59	1.51	32	0.0		73.0
15	105	09	43	59	.81	23	0.0		73.1
16	100	60	46	62	.55	30	0.0		71.3
17	101	45	44	44	1.38	60	0.0		72.6
18	101	45	44	08	1.08	17	0.0		72.2
19	102	59	42	27	.41	14	0.0		71.4
20	105	48	39	50	1.48	23	0.0		70.7
21	102	47	42	51	.41*	33	0.0		70.8
22	102	25	40	24	.82	64	0.0		70.5
23	104	60	40	39	.34	11	0.0		70.3
24	105	49	36	34	.28*	10	0.0		70.2
25	103	26	32	10	.24	38	0.0		70.3
26	105	26	38	60	.52	42	0.0		70.2
27	102	37	32	11	.54	57	0.0		69.5
28	100	24	38	11	.51	41	0.0		68.3
29	100	59	39	20	.32	37	0.0		69.1
30	101	61	37*	46	.50	64	0.0		69.4
31	100	21	38	24	.84	51	0.0		68.4

* INDICATES PRIOR OCCURRENCE OF INDICATED VALUE

SEPTEMBER DAILY EXTREME VALUES

DAY	MAX	YR	MIN	YR	PREC	YR	SNFL	YR	MEAN TEMP
01	106	54	35	65	.56*	09	0.0		67.5
02	100	45	35	52	.62	63	0.0		67.4
03	103	60	35	59	.35	63	0.0		67.0
04	100	31	28	62	.79	37	0.0		66.7
05	100	45	32	62	.34	11	0.0		66.2
06	99	55	29*	56	1.22	37	0.0		66.2
07	105	08	34	29	.82	46	0.0		64.4
08	98	16	30	29	1.42	46	0.0		64.5
09	104	59	28	43	.55	12	0.0		63.5
10	98	52	25	62	.74	37	0.0		62.1
11	98	52	32	21	.30	42	0.0		62.8
12	97	39	29	64	1.07	12	1.0	49	62.8
13	95	36	27	49	1.32	28	0.0		61.8
14	94	59	28	16	.45	18	0.0		60.2
15	100	48	29	47	1.65*	13	0.0		61.0
16	104	48	30*	65	.98	23	3.0	65	61.0
17	94	49	31*	65	.47	45	0.0		60.9
18	101	14	28	18	.79	46	0.0		61.3
19	95	14	26*	65	.37	45	0.5	57	59.6
20	94	37	25	27	.43	34	0.0		58.2
21	95	60	24	54	1.97	55	0.0		57.8
22	93	36	31*	51	.48	10	0.0		57.8
23	90	35	27	65	1.14*	12	0.0		56.2
24	96	58	22	65	1.85	29	0.0		55.8
25	90	43	09	26	.96	29	3.0	34	53.1
26	96	09	17	42	.34	36	0.0		54.8
27	93	52	22*	64	2.91	23	0.8	41	54.3
28	95	52	22	45	1.63	23	0.0		54.3
29	95	31	25	45	.69	56	0.0		55.3
30	90	14	23	58	.45	65	0.0		54.8

* INDICATES PRIOR OCCURRENCE OF INDICATED VALUE

OCTOBER DAILY EXTREME VALUES

DAY	MAX	YR	MIN	YR	PREC	YR	SNFL	YR	MEAN TEMP
01	92	63	25	58	.37	44	4.5	44	56.0
02	95	53	22	59	.56	15	5.3	50	54.9
03	92	22	25	44	1.07	29	0.0		55.5
04	92	22	23	50	1.21*	13	0.0		53.8
05	94	20	19	52	1.27	46	1.0	25	53.7
06	91	49	15	52	.60	46	0.1	25	52.5
07	86	20	19	52	1.21	62	3.0	32	50.9
08	85	56	11*	46	1.13	24	3.6	32	50.7
09	88	10	12	19	.15	47	0.0		50.8
10	88	47	11	32	.35	59	0.0		52.3
11	91	10	11	09	1.17	24	0.0		50.4
12	88	58	11	09	.88	47	0.0		50.8
13	89	58	24*	27	.53	19	0.0		52.4
14	88	58	20	22	.29	42	0.0		51.7
15	88	35	22	60	.50*	15	0.0		51.6
16	86	65	19	30	.90	34	1.8	39	50.6
17	84	27	14	22	.18	28	1.0	51	48.2
18	84	50	18	25	.59*	19	1.0	51	47.5
19	86	47	06	25	.49	08	7.0	32	46.2
20	86	47	14	25	.65	36	6.0	36	47.3
21	85	47	16*	32	.30	20	1.5	51	46.2
22	81	15	00	36	.95	14	1.3	35	45.4
23	83	54	12	36	.51	23	2.0	25	44.4
24	82	27	12	19	.23	23	2.0	23	44.8
25	80	48	-07	19	.58	56	2.4	54	44.9
26	79	55	04	19	.69	54	8.0	54	42.5
27	79	44	05*	19	.23	46	0.2	54	42.4
28	84	37	-16	25	.63	29	5.0	29	41.4
29	80	33	-07	25	.52	61	1.0	41	41.8
30	82	50	00	25	.51	43	0.8	51	40.4
31	82	50	-01	11	.96	20	4.0	43	39.8

* INDICATES PRIOR OCCURRENCE OF INDICATED VALUE

NOVEMBER DAILY EXTREME VALUES

DAY	MAX	YR	MIN	YR	PREC	YR	SNFL	YR	MEAN TEMP
01	70	49	-08	11	.36	64	1.5	36	39.5
02	75*	65	01	51	.61	44	4.0	36	38.7
03	75	65	00	28	.67	56	3.5	35	39.0
04	78	18	-06	35	1.89	22	2.3	40	39.1
05	74	52	-03	33	.54	48	1.5	24	37.9
06	74	34	-09	59	.30	26	1.8	43	37.0
07	72	54	04*	59	.38*	26	3.0	36	36.0
08	74	31	07	36	.79*	44	0.2	45	36.3
09	70	12	-04	45	.14*	16	0.3	48	35.1
10	70	12	-05	11	.20	19	2.0	24	34.5
11	70	54	-07	11	.30	19	0.5	50	35.3
12	71	53	-18	16	.35	48	3.0	48	33.0
13	72	54	-17	16	.40	09	0.2	44	32.1
14	72	53	-24	59	.78	44	7.9	44	32.1
15	74	42	-15	59	.30	44	3.1	44	33.4
16	69	39	-15	59	.30	11	1.5	21	33.0
17	70	08	-12	59	.21	30	2.8	30	31.7
18	75	08	-05	55	.37	30	4.7	30	33.1
19	74	08	-12	21	.36	47	3.7	47	33.0
20	70	08	-08	21	.19	20	1.5	47	31.3
21	69	62	-10	26	.42	47	5.5	47	29.4
22	65	17	-15	47	.14	33	1.5	51	29.2
23	66	54	-16	18	.10	59	0.5	62	31.7
24	70	33	-08	50	.18	59	0.3	52	32.0
25	71	14	-01	19	.31	42	2.4	42	32.5
26	75	60	-03	19	.11	42	1.8	42	31.2
27	66	63	-05	55	.20*	29	2.0	29	29.1
28	74	49	-07	52	.18*	53	1.8	42	29.3
29	61	51	-14*	55	.10	10	0.5	64	29.5
30	63	41	-11	64	.24	19	2.0	54	29.6

* INDICATES PRIOR OCCURRENCE OF INDICATED VALUE

DECEMBER DAILY EXTREME VALUES

DAY	MAX	YR	MIN	YR	PREC	YR	SNFL	YR	MEAN TEMP
01	61	25	-26	19	.16	54	2.0	54	28.3
02	61	51	-22	19	.17	27	1.0	64	29.2
03	73	41	-07	19	.14	55	2.6	55	29.7
04	66	48	-06*	09	.10	17	1.4	55	28.8
05	74	39	-08	50	.17	27	0.7	50	26.2
06	71	39	-17	50	.22	34	5.0	34	25.3
07	60	18	-26	17	.19	14	1.1	47	22.9
08	65	39	-33	27	.25	17	1.1	58	22.4
09	68	39	-25	27	.11	33	1.1	33	22.6
10	68	57	-17	32	.20	38	1.5	46	21.8
11	72	39	-22	27	.50	09	2.0	49	22.2
12	63	21	-31	17	.36	19	3.5	56	21.4
13	62	21	-15	17	.34	37	4.5	46	22.4
14	59	60	-17	63	.26	08	3.5	35	21.6
15	64	39	-27	22	.11	48	2.4	48	21.1
16	63	52	-23	64	.19	54	1.0	54	21.2
17	63	39	-31	22	.60	08	4.5	55	19.9
18	56	43	-27*	22	.28	21	5.0	21	19.6
19	58	53	-31	16	.30	09	0.5	60	21.9
20	60	41	-20	16	.38	18	2.9	44	21.5
21	60	33	-24	20	.30	11	2.5	60	22.6
22	64	33	-20	20	.25	34	0.8	29	23.1
23	61	36	-18	20	.24	25	2.2	51	21.8
24	58	50	-17	21	.09	48	0.9	48	21.3
25	56	47	-13	21	.37	25	5.0	25	21.7
26	60	47	-18	33	.15	43	2.3	50	21.0
27	66	28	-31	25	.08	17	0.5	60	19.3
28	57	56	-29	25	.31	55	5.5	55	19.8
29	60	65	-26*	25	.28	31	2.0	23	21.3
30	64	65	-25	11	.16	31	7.5	31	20.2
31	55	65	-20	23	.46	20	3.8	41	18.7

* 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
08	11.8	12.4	19.2	32.1	40.8	49.5	56.7	51.4	48.1	33.9	21.8	10.5	32.4
09	1.5	12.0	19.0	23.9	39.6	54.6	56.8	59.1	46.3	30.7	19.6	-1.1	30.2
10	8.8	-3.7	32.1	35.2	39.0	53.4	58.9	51.6	45.8	35.4	18.8	12.7	32.3
11	6.0	6.8	22.9	29.2	42.1	56.6	54.6	52.3	47.6	30.0	13.9	9.4	31.0
12	0.4	13.4	6.1	34.3	43.3	52.3	56.9	54.8	41.0	31.7	22.9	14.4	31.0
13	-2.7	6.1	11.7	34.9	41.8	54.1	56.8	59.0	45.8	30.4	23.1	9.6	30.9
14	13.7	1.2	20.6	33.1	44.0	52.6	60.0	52.6	46.8	33.7	23.2	4.0	32.1
15	4.0	10.6	11.5	41.0	41.6	48.1	53.7	53.2	42.8	35.2	22.7	11.8	31.4
16	-7.0	10.1	20.2	30.7	39.5	49.2	61.0	53.8	41.0	30.0	19.2	0.3	29.0
17	0.1	0.6	13.9	30.2	37.8	47.4	57.8	52.1	44.5	28.3	26.8	2.0	28.5
18	-0.2	7.0	25.7	30.4	41.6	54.4	56.9	55.2	43.0	34.9	17.8	12.7	31.6
19	14.8	7.3	19.6	31.5	41.5	54.7	59.6	55.2	47.4	24.2	14.6	7.3	31.5
20	9.4	14.5	18.1	26.8	42.4	51.3	57.5	53.6	44.4	34.8	17.9	10.9	31.8
21	14.6	16.0	20.8	27.6	42.7	56.1	59.0	55.9	45.6	34.1	18.3	12.0	33.6
22	-1.6	-4.5	16.8	31.7	42.7	53.6	55.0	58.3	47.0	33.9	24.3	5.9	30.3
23	14.0	2.0	16.1	28.1	40.9	53.2	61.5	55.4	47.2	34.2	26.1	12.2	32.6
24	-1.7	13.0	18.6	31.1	36.9	49.4	54.5	52.6	43.3	38.8	22.3	4.8	30.3
25	1.6	16.6	22.2	37.8	42.2	51.2	56.8	55.4	49.9	23.7	22.4	12.4	32.7
26	12.4	18.4	21.1	30.8	44.4	51.2	58.3	55.2	41.1	34.1	19.5	8.8	32.9
27	5.0	13.2	21.2	29.9	41.2	50.8	55.6	53.3	46.1	34.9	19.5	-5.0	30.5
28	12.2	14.6	22.1	27.1	45.6	46.9	57.7	54.1	43.6	33.0	22.6	14.7	32.9
29	-4.0	-2.1	23.7	31.4	38.3	49.8	58.8	57.5	43.3	36.6	21.4	12.1	30.6
30	-3.2	22.7	19.0	35.9	41.0	50.4	59.1	60.1	44.8	33.0	21.5	14.4	33.2
31	14.0	20.3	19.4	30.5	39.4	57.0	59.2	55.7	49.4	35.8	19.2	14.5	34.5
32	3.1	9.4	14.9	36.7	44.4	55.1	58.7	57.0	44.3	29.5	22.5	6.9	31.9
33	11.9	4.4	21.4	31.5	41.8	56.6	61.1	55.5	48.4	32.8	36.3	11.1	33.6
34	15.8	13.9	19.3	30.9	48.3	52.7	60.6	55.0	39.6	37.3	25.7	14.2	34.4
35	6.8	20.2	21.4	28.8	38.7	47.9	61.4	54.9	46.2	30.9	18.0	13.1	32.5
36	-0.3	-12.4	21.6	26.9	47.0	55.3	63.8	58.2	46.8	32.0	23.7	12.2	33.3
37	-8.7	5.5	15.7	30.0	44.6	51.6	61.1	59.6	48.7	35.7	21.1	12.3	31.4
38	15.7	7.8	24.6	30.9	42.1	52.6	58.4	56.5	49.4	39.7	19.6	13.5	34.2
39	16.6	-0.1	20.4	33.5	45.5	50.0	61.5	53.5	47.1	34.2	21.7	19.1	33.6
40	0.2	13.4	23.8	31.2	42.0	53.6	61.4	55.8	51.9	39.0	17.4	16.0	33.8
41	11.2	11.5	20.7	34.9	46.6	53.2	59.0	57.9	45.1	32.9	23.9	14.2	34.3
42	10.0	9.6	21.1	36.0	40.1	49.4	56.3	55.6	42.9	33.8	18.0	13.2	32.2
43	-2.1	17.1	7.9	35.1	37.7	50.7	56.7	57.9	42.4	32.9	21.8	12.1	30.9
44	11.3	2.5	10.0	31.6	44.6	50.3	54.4	54.8	44.6	32.7	19.0	9.0	30.4
45	10.3	8.0	20.7	28.3	38.0	47.2	55.1	55.8	43.4	32.7	19.1	8.2	30.6
46	10.8	14.7	26.0	36.7	39.9	51.5	59.5	52.8	45.5	31.8	19.6	10.1	33.2
47	11.4	5.1	15.9	31.6	39.2	48.6	58.1	59.3	46.6	38.9	17.9	16.6	32.4
48	7.4	6.1	14.7	33.7	43.5	52.7	56.9	55.9	49.5	31.9	23.4	6.2	31.8
49	-8.0	-2.2	16.9	33.5	43.7	50.5	58.3	55.8	41.4	34.3	29.4	5.0	29.9
50	-10.1	11.2	12.3	27.9	38.4	48.7	53.5	52.1	45.6	35.9	17.5	13.7	30.6
51	7.6	8.9	8.6	27.3	43.3	45.8	56.8	55.8	41.6	33.4	17.5	4.3	29.2
52	0.3	13.5	13.4	33.5	43.4	54.6	55.1	56.2	47.4	30.3	18.5	12.3	31.5
53	16.2	15.2	22.3	28.0	40.0	54.5	58.2	56.9	44.1	36.0	25.3	15.3	34.3
54	0.9	22.5	12.2	29.3	40.6	49.7	60.1	56.7	45.9	31.7	27.2	15.6	32.7
55	10.0	5.7	14.0	32.8	44.5	49.9	59.4	58.4	44.8	34.5	10.0	3.6	30.6
56	6.8	6.7	21.0	24.4	44.0	54.6	57.1	54.5	43.2	34.4	22.6	15.6	32.1
57	-3.2	10.5	18.6	30.0	44.0	49.8	59.0	58.4	43.8	36.1	23.8	17.5	32.4
58	12.2	6.4	20.8	31.6	44.4	49.6	53.0	55.6	42.9	31.8	20.1	9.3	31.5
59	4.3	0.0	24.9	27.7	39.0	53.3	54.4	56.2	43.5	28.6	13.5	16.9	30.2
60	6.5	4.4	11.4	30.9	39.7	51.6	57.8	54.8	44.9	31.6	17.9	9.5	30.1
61	10.3	14.9	23.6	27.0	41.9	53.9	56.7	58.4	39.7	32.0	17.0	6.7	31.8
62	5.7	9.8	14.8	32.3	45.6	53.0	55.3	52.3	40.0	35.6	24.5	14.0	31.9
63	-3.7	12.4	25.8	32.3	42.0	53.2	58.5	57.1	51.2	41.0	23.1	8.8	33.5
64	12.4	13.6	14.4	31.5	44.0	51.2	60.6	51.6	41.3	31.9	16.3	2.6	31.0
65	9.6	7.6	7.4	32.9	41.8	52.4	57.0	54.7	37.0	34.7	20.9	15.3	31.0

MEAN MAXIMUM TEMPERATURE (°F.)

YR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNL
08	42.0	33.7	44.1	64.9	63.6	73.9	86.0	82.9	81.0	57.0	51.5	32.5	59.4
09	22.1	32.8	45.4	52.9	65.0	77.4	84.6	90.3	77.7	61.3	40.5	20.1	55.8
10	27.5	19.0	60.0	66.1	65.0	84.1	91.1	83.7	72.4	66.6	43.2	37.3	59.7
11	32.0	37.2	56.6	58.0	74.6	89.1	87.0	78.8	73.1	58.3	35.4	31.0	59.3
12	22.8	34.7	31.0	60.9	66.2	80.4	83.2	80.5	62.6	58.7	51.9	40.0	56.1
13	27.6	28.0	33.3	61.7	64.4	79.1	84.5	89.4	73.2	52.9	50.7	36.8	56.8
14	40.6	27.0	44.9	55.8	68.0	79.8	91.7	84.2	79.3	63.2	53.3	25.4	59.4
15	26.2	28.1	30.0	64.0	61.6	69.9	74.9	79.0	68.9	65.2	45.6	37.4	54.2
16	17.7	34.0	47.7	54.0	64.8	72.0	89.6	81.6	75.5	55.7	45.6	25.3	55.3
17	26.1	22.7	36.0	50.4	61.6	75.8	92.1	82.4	75.9	55.4	55.8	24.9	54.9
18	17.6	32.4	53.6	51.0	68.6	83.1	81.6	84.6	68.8	64.9	44.1	38.0	57.4
19	43.9	28.3	42.7	55.4	71.0	85.7	90.5	87.3	75.3	45.3	32.3	26.3	57.0
20	28.0	33.3	38.4	44.6	62.8	72.2	82.3	85.1	75.9	63.2	38.8	33.5	54.8
21	36.9	43.0	49.7	58.8	65.1	83.9	88.2	86.6	73.6	67.4	41.6	33.8	60.7
22	20.8	18.1	42.2	53.0	67.0	78.4	78.9	86.5	80.7	64.6	39.0	27.5	54.7
23	34.6	31.0	39.0	55.9	67.9	76.0	85.6	78.0	73.3	54.2	52.3	39.8	57.3
24	24.3	34.5	32.7	54.5	64.5	74.4	84.3	83.4	72.8	63.9	45.0	24.6	54.9
25	29.0	41.0	46.6	62.9	70.1	75.8	86.3	87.4	74.2	44.7	47.6	36.5	58.5
26	33.1	39.6	45.9	60.8	70.7	76.7	85.1	82.6	69.8	64.0	38.7	33.5	58.4
27	27.7	32.0	46.0	51.7	61.1	73.9	81.2	78.0	72.5	65.5	36.5	15.6	53.5
28	32.1	36.4	49.8	54.6	74.0	69.9	83.0	83.7	71.2	59.6	45.4	41.2	58.4
29	16.6	22.2	43.8	57.9	64.9	75.0	86.8	88.6	65.3	61.0	41.2	30.7	54.5
30	17.5	45.5	44.2	65.7	65.3	78.6	90.8	84.2	75.7	53.5	46.4	37.7	58.8
31	42.2	46.5	42.0	61.1	69.6	86.4	90.1	84.7	80.6	62.7	46.8	37.4	62.5
32	24.7	34.5	35.6	61.6	69.8	78.4	87.8	84.7	75.1	51.9	48.0	30.7	56.9
33	39.7	32.1	45.7	54.5	62.7	86.0	90.8	80.9	77.2	64.5	50.5	33.7	59.9
34	39.9	43.6	45.7	60.3	81.5	79.3	90.2	84.5	66.6	64.0	51.0	34.8	61.8
35	33.4	43.3	46.3	51.1	59.1	74.5	92.4	85.1	77.7	61.4	41.2	35.0	58.4
36	21.9	08.1	44.0	53.5	76.9	85.8	97.9	88.1	78.1	62.5	46.9	34.9	58.2
37	12.6	30.1	42.1	54.2	71.3	75.3	86.0	90.2	75.3	63.3	41.6	32.7	56.2
38	35.1	33.3	50.1	57.8	66.1	80.4	87.0	89.7	79.1	67.3	41.4	37.4	60.4
39	39.9	26.1	47.2	60.1	77.7	75.7	92.7	85.1	79.1	60.5	55.0	46.2	62.1
40	20.9	32.2	41.0	51.7	72.4	80.1	90.3	85.6	80.0	68.0	39.1	37.9	58.3
41	33.7	38.0	42.1	55.6	74.5	75.5	87.4	84.4	68.5	57.3	49.8	38.0	58.7
42	38.1	31.7	44.4	62.1	60.3	72.5	84.6	84.3	70.7	62.7	45.1	33.3	57.5
43	22.0	41.7	36.5	65.0	65.6	73.8	88.3	89.4	75.4	65.3	44.7	38.4	58.8
44	34.4	27.4	28.1	53.5	71.7	71.8	83.5	82.9	73.9	66.1	36.8	29.1	54.9
45	30.3	30.8	43.8	53.8	63.4	65.8	86.9	87.0	70.4	65.8	44.9	29.1	56.0
46	40.3	43.1	54.4	66.9	61.4	74.4	86.0	81.7	72.4	51.2	43.5	33.9	59.1
47	33.0	28.3	35.2	55.5	67.1	72.1	88.7	91.0	76.2	68.6	38.7	38.4	57.7
48	33.8	29.7	39.0	62.2	67.6	74.2	84.5	86.4	83.2	65.4	43.3	31.5	58.4
49	14.3	23.2	38.1	64.9	71.4	80.2	89.9	91.1	74.3	58.0	58.5	29.7	57.8
50	11.5	35.0	33.4	48.4	61.6	77.4	82.4	82.3	72.6	66.9	43.5	38.9	54.5
51	31.6	39.6	34.3	53.8	69.6	69.1	85.3	84.4	67.3	57.5	40.7	26.5	55.0
52	27.1	35.3	30.5	64.6	69.4	83.4	86.2	87.2	81.4	64.8	45.8	41.0	59.7
53	38.3	35.7	46.8	49.4	61.8	76.8	85.2	84.2	78.8	68.2	51.5	40.5	59.8
54	27.8	53.0	34.4	54.4	64.8	73.0	91.7	86.3	76.7	59.0	54.7	37.5	59.4
55	34.3	27.8	38.9	61.9	71.2	74.0	90.3	90.3	75.4	65.7	34.0	24.5	57.4
56	25.2	28.8	45.9	51.5	68.1	86.9	86.6	84.4	76.3	66.4	42.2	39.6	58.5
57	18.3	37.7	44.3	50.4	64.9	73.2	86.6	83.2	71.4	56.3	44.3	47.1	56.6
58	42.8	28.8	37.2	55.0	75.8	71.7	79.5	90.5	79.2	66.1	46.8	34.9	59.0
59	29.3	25.0	47.1	53.9	65.6	83.6	87.7	90.7	71.7	55.2	35.7	41.4	57.2
60	32.3	27.5	35.4	60.1	70.1	78.6	92.2	85.6	76.8	65.7	50.1	35.5	59.2
61	34.8	46.4	51.0	54.7	66.8	85.8	86.8	91.9	67.6	61.4	41.4	29.2	59.8
62	26.6	33.5	36.0	61.3	64.7	72.1	78.2	84.5	74.1	64.0	50.9	40.2	57.2
63	23.7	40.1	49.8	54.8	68.4	78.2	86.0	88.1	77.6	73.8	50.1	30.5	60.1
64	38.2	37.8	39.5	57.5	69.4	75.4	88.2	82.4	72.5	66.3	42.8	25.4	58.0
65	35.3	34.4	29.6	56.1	63.9	73.2	83.5	83.1	59.7	69.5	47.5	41.9	56.5

MONTHLY AND SEASONAL SNOWFALL (IN.)

SEASON	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	TOTAL
20-21	0	0	0	5.2	3.4	0	1.2	0	0	09.8
21-22	0	0	3.5	8.0	13.3	3.8	4.0	0	0	32.6
22-23	0	4.0	2.0	4.9	1.6	2.3	3.2	7.0	0	25.0
23-24	0	4.0	2.0	6.0	0.8	7.5	0	2.8	1.3	24.4
24-25	0	0	5.5	4.0	3.2	1.4	2.0	0	0	16.1
25-26	0	7.2	1.7	9.5	16.0	2.2	2.6	1.0	0	40.2
26-27	0	0	1.9	0.3	0	1.3	10.5	23.9	0	37.9
27-28	0	0	0	5.6	0.8	0	3.3	0.3	0	10.0
28-29	0	4.2	0	0.4	1.9	4.7	18.8	0	0	30.0
29-30	0	5.9	3.9	1.4	2.8	0.5	0.2	0	0	14.7
30-31	0	1.0	7.7	4.3	0.6	0	5.3	0	0	18.9
31-32	0	0	2.5	7.5	3.3	0.6	4.6	0	0	18.5
32-33	0	13.7	0.7	0.7	0.3	1.0	11.6	0	0	28.0
33-34	0	0	0.3	1.8	0.3	0.3	9.0	14.0	0	25.7
34-35	3.0	0	0	5.1	2.8	5.0	12.2	9.8	0	37.9
35-36	0	3.1	5.2	5.8	19.8	11.1	3.3	8.8	0	57.1
36-37	0	7.2	8.9	1.8	6.9	3.2	15.3	2.0	0	45.3
37-38	0	0	2.0	5.3	1.8	1.4	5.2	8.5	0	24.2
38-39	0	0	4.6	1.7	2.2	3.7	2.8	0	0	15.0
39-40	0	1.8	0	2.1	4.9	7.0	10.5	4.3	0	30.6
40-41	0	0	4.5	4.8	1.9	1.5	0	0.2	0	12.9
41-42	0.8	1.0	1.8	9.5	1.0	5.7	3.5	0	3.0	26.3
42-43	0	0	8.2	1.7	9.1	3.3	13.2	0	2.1	37.6
43-44	0	4.0	3.7	2.5	16.5	7.9	10.9	2.5	0	48.0
44-45	0	4.5	11.2	7.3	6.5	6.5	2.5	2.2	3.0	43.7
45-46	0	0	1.5	1.7	1.7	2.0	10.8	5.0	0	22.7
46-47	0	0	0	12.4	7.0	6.2	7.3	4.5	0	37.4
47-48	0	0	12.5	2.2	4.6	8.4	1.6	0	2.4	31.7
48-49	0	0	5.3	4.1	20.2	3.0	9.1	0	0	41.7
49-50	1.0	2.0	0	5.6	6.5	5.0	23.1	14.3	8.5	66.0
50-51	0	5.9	1.7	3.1	1.7	5.0	9.3	0.8	0	27.5
51-52	0	5.8	3.2	4.6	2.4	11.3	6.3	0.1	0	33.7
52-53	0	0	0.8	0.7	6.8	10.9	2.7	8.2	0.5	30.6
53-54	0	0	1.6	0.6	3.9	0.1	25.7	0.6	0.8	33.3
54-55	0	10.6	2.5	3.0	2.3	10.3	1.1	4.2	0	34.0
55-56	0	0	4.2	17.1	3.4	3.4	1.0	6.7	0	35.8
56-57	0	0	0	4.5	5.7	2.3	3.5	0	0	16.0
57-58	0.5	0	0	0	4.5	5.5	4.2	0	0	14.7
58-59	0	0	0	4.8	4.0	8.9	0	0	0	17.7
59-60	0	0	0			10.0	6.0	0	0	16.0
60-61	0	0	0	6.0	3.5	0	0	4.5	0	14.0
61-62	0	0	0	6.1	5.3	2.5	8.0	0	0	21.9
62-63	0	0	1.5	1.8	10.5	0	0	0	0	13.8
63-64	0	0	0	1.0	4.0	4.0	2.5	0	0	11.5
64-65	0	0	4.0	1.6	7.0	2.0	0	2.0	8.0	24.6

TOTAL PRECIPITATION (IN.)

YR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNL
08	.20	.19	1.65	1.16	3.95	1.47	1.26	.62	.52	2.03	.20	.91	14.16
09	.17	.23	.19	.84	3.87	5.59	2.45	.55	1.07	.76	.73	1.28	17.73
10	.73	.60	.93	1.57	1.26	1.51	1.42	1.03	2.92	.27	.11	.10	12.45
11	.13	.05	.09	.17	.45	.50	.80	1.86	.92	.39	.98	.30	6.64
12	.24	.10	.71	2.32	2.26	.29	3.20	2.80	3.49	.51	.04	.13	16.09
13	.57	.24	.99	.25	1.98	3.10	.35	.26	2.38	1.86	.10	.45	12.53
14	.00	1.00	.29	1.09	2.22	2.09	1.34	1.12	.35	1.77	.00	.43	11.70
15	.92	1.01	.16	2.58	2.32	4.74	5.74	.44	1.26	1.25	.43	.17	21.02
16	.36	.23	.98	.64	3.17	2.19	2.01	2.02	.20	.99	.33	.28	13.40
17	.92	.74	.27	2.51	3.71	.97	.80	1.67	.35	.46	.00	.92	13.32
18	.99	.64	.61	2.40	1.60	1.17	3.41	2.99	3.08	.22	.16	.85	18.32
19	.04	.57	.87	2.14	1.14	.35	2.59	1.02	1.20	2.49	1.22	.62	14.25
20	.65	.16	1.35	2.59	8.35	5.90	2.53	.56	.63	1.67	.55	.95	25.89
21	.29	.00	.84	.72	1.44	3.36	2.30	.52	.72	.10	.30	.50	11.09
22	1.31	.38	.20	2.84	3.42	3.74	6.52	.90	.00	.79	2.82	.24	23.16
23	.22	.23	.32	.82	2.31	3.81	4.54	5.35	5.95	3.14	.27	.41	27.37
24	.08	.88	.70	.81	.68	1.27	1.22	2.00	.72	3.84	.93	.65	13.78
25	.32	.21	.18	1.53	1.55	3.10	.39	.76	.65	.96	.19	.91	10.75
26	1.67	.19	.24	.10	4.60	4.56	1.96	1.48	.72	.63	.96	.05	17.16
27	.36	.13	1.14	3.92	6.96	2.81	4.26	2.13	1.17	.39	.63	.56	24.46
28	.16	.07	.79	.35	1.81	3.38	4.89	1.44	1.65	.80	.57	.04	15.95
29	.19	.47	2.00	1.36	4.45	3.05	3.23	.82	4.01	2.25	.41	.11	22.35
30	.28	.10	.52	1.52	2.09	2.18	1.23	1.53	.31	1.46	.62	.27	12.11
31	.11	.20	1.08	.47	1.68	1.42	1.31	.36	.45	.96	.31	.45	8.80
32	.33	.07	.57	3.16	5.77	3.76	1.17	2.28	.57	1.42	.07	.07	19.24
33	.08	.10	.96	3.41	7.61	1.22	1.56	2.61	.93	.38	.17	.18	19.21
34	.29	.03	.97	1.38	.30	3.65	1.82	.31	1.09	1.80	.47	.47	12.58
35	.11	.59	1.43	.80	3.46	3.01	.48	.93	.29	.36	.35	.46	12.27
36	1.11	.95	.48	2.24	.47	.59	1.09	1.48	.41	.76	.67	.10	10.35
37	.51	.28	1.50	.71	2.03	3.40	5.79	.61	2.87	.18	.25	.48	18.61
38	.20	.11	.60	1.53	2.28	1.56	1.13	.60	.87	.08	.60	.29	9.85
39	.17	.54	.26	.68	.60	2.82	1.46	1.76	.77	.77	.06	.17	10.06
40	.37	.41	1.30	2.97	.79	4.90	1.92	1.18	.80	.71	.66	.32	16.33
41	.12	.10	.68	5.45	1.51	6.42	.88	3.47	1.91	.68	.32	.54	22.08
42	.15	.26	.42	3.27	4.34	4.33	2.02	1.18	1.29	.50	.98	.18	18.92
43	.82	.25	.84	.49	1.30	3.48	2.46	.44	.47	1.34	.42	.18	12.49
44	1.45	.61	1.11	1.95	1.35	5.68	1.65	1.53	.37	.72	2.66	.34	19.42
45	.65	.54	.80	.60	3.54	3.52	.21	.31	2.17	.29	.38	.12	13.13
46	.19	.17	1.47	2.01	9.35	4.75	1.79	.50	3.96	2.81	.16	.88	28.04
47	.53	.38	1.11	1.64	.36	6.26	.14	1.27	.70	1.49	1.05	.11	15.04
48	.38	.56	.14	3.06	1.31	3.69	3.32	1.36	.33	.24	1.60	.23	16.22
49	1.55	.24	.67	.93	2.08	1.66	1.96	.16	.93	1.48	.10	.38	12.14
50	.45	.43	1.93	1.64	1.92	.94	1.97	2.44	2.04	.52	.48	.15	14.91
51	.09	.32	.95	.68	1.95	3.36	1.22	2.33	1.40	2.25	.21	.54	15.30
52	.24	.75	.65	.34	2.64	1.15	2.40	.79	.21	.01	.14	.10	9.42
53	.62	.92	.29	2.73	2.98	4.17	1.44	2.08	.35	.41	.67	.06	16.72
54	.27	.13	2.42	.47	2.70	3.90	.76	.95	.35	.97	.37	.38	13.67
55	.19	.69	.49	1.13	2.11	1.16	3.85	.87	2.63	.62	.22	.83	14.79
56	.36	.05	.13	.86	2.58	2.32	1.58	1.08	1.51	.68	1.02	.22	12.39
57	.28	.10	.18	.81	3.56	3.07	2.53	1.60	1.18	1.03	.59	.00	14.93
58	.30	.65	.27	2.18	.55	6.12	2.78	.77	.18	.23	.42	.21	14.66
59	.35	.51	.14	1.32	2.45	1.87	1.81	.08	2.29	.47	.89	.13	12.31
60	.13	.29	.26	.46	.99	1.40	.15	3.09	.90	.01	.07	.36	8.11
61	.13	.13	.20	1.13	.71	2.25	1.71	.55	1.71	.96	.31	.29	10.08
62	.34	.25	.31	1.03	8.60	4.85	4.02	.88	.53	1.73	.35	.04	22.93
63	.54	.88	.58	3.36	1.24	5.06	2.58	1.24	1.76	.96	.08	.22	18.50
64	.17	.24	.22	.78	3.16	5.43	1.98	1.79	.11	.17	.62	.24	14.91
65	.44	.07	.20	1.42	6.25	3.80	2.49	1.30	1.34	.04	.21	.33	17.89