

*SWS Miscellaneous Publication 98-21*  
STATE OF ILLINOIS  
DEPARTMENT OF NATURAL RESOURCES

*Local Climatological Data Summary*  
*Bloomington-Normal, Illinois*  
*1893 -1994*

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## **LOCAL CLIMATOLOGICAL DATA FOR BLOOMINGTON-NORMAL ILLINOIS 1893-1994**

### **Climatological Summary:**

Bloomington and Normal (Mc Lean County) have a temperate continental climate, dominated by maritime polar air from the Pacific throughout most of the year, particularly spring and fall. This air is relatively dry, having lost its moisture passing over the Rockies. During summer, the dominant airmass is maritime tropical (warm and humid) air from the Gulf. This air generally supports relatively high humidities, yielding a "muggy" environment. During winter, Bloomington-Normal is dominated by an almost equal mix of Pacific air and continental polar (cold and dry) air from Canada. Canadian air is very dry and in winter brings temperatures into the single digits and negative values for a few days.

Average high temperatures in summer in Bloomington-Normal are in the 80s, though 90s are not uncommon, with lows about 18°F lower. Average highs in January are near 30. A few winter days experience temperatures into the mid-minus 20s, and summer highs occasionally reach 105 or thereabouts. A typical year will experience daily highs and lows as much as 30°F above the 30-year mean for that day.

Monthly mean precipitation varies from about 1 ½ inches per month during winter months, to about four inches during summer months. Thunderstorms with showery precipitation (and occasional hail and infrequent tornadoes) are prevalent from May through August or September. Autumn is typically the driest season both in relative humidity and precipitation. Winter is usually punctuated by one to three snowstorms accumulating more than six inches of snow. These are often accompanied by strong winds, resulting in a blizzard. Central Illinois is plagued by three to five glaze storms each year. Though temperatures are below 32°F, precipitation falls as a supercooled liquid, freezing on contact, coating wires, trees and roads with glaze ice. Ground frost typically impacts the area from January through March reaching depths of 20 to 30 inches.

The greatest precipitation ever occurring in one day in Normal was 6.10 inches on 3 August 1943. The greatest monthly precipitation was 13.74 inches during August 1924. Average snowfall is about 25 inches. The greatest snowfall ever during one month in Normal was 27.5 inches in February 1900. Snowcover often continues in Bloomington-Normal for a few weeks at a time, but varies substantially from year to year.

Latitude W40 31  
Longitude W89 00

Climatological Summary  
Means 1961-1990 ; Extremes: 1893-1994

Normal, IL  
Elevation 785

Mon	Temperature						Degree Days			Precipitation				Snow													
	Means		Extremes		Number of Days		Heat	Cool	Grow	Greatest Monthly Amount	Greatest Daily+ Amount	Number of Days			Greatest Monthly Amount	Greatest Snow Depth+ Date											
	Ave Max	Ave Min	Ave Mean	High Temp	Low Temp	Date						>=90	<=32	<=0			>=0.1	>=0.5	>=1.0								
Jan	32.4	15.3	23.9	69	23/1909*	-24	24/1894	0	15	28	5	1,268	0	1	1.55	7.28	1965	2.40	1/1965	4	0	0	7.6	26.2	1918	21	31/1979
Feb	37.4	19.6	28.5	71	15/1921*	-24	8/1895*	0	10	24	2	1,024	0	3	1.53	5.94	1900	2.27	23/1985	3	0	0	6.1	27.5	1900	21	1/1979#
Mar	50.2	30.6	40.4	88	21/1907	-15	8/1943	0	2	18	0	757	1	44	3.05	7.73	1973	2.42	27/1898	6	2	0	3.0	25.9	1960	14	11/1960
Apr	64.1	41.3	52.7	95	29/1899	10	7/1982	0	0	6	0	379	18	173	3.75	9.10	1957	3.29	30/1947	7	2	0	1.0	11.3	1982	11	2/1926
May	75.0	51.6	63.3	103	31/1934	21	10/1966	1	0	0	0	137	90	423	4.17	10.17	1908	3.92	2/1936	6	3	1	0.0				
Jun	84.2	61.2	72.7	106	1/1934	31	5/1894	6	0	0	0	13	251	687	3.78	12.45	1902	4.00	12/1946	6	2	0	0.0				
Jul	86.7	65.2	75.0	114	15/1936	43	31/1895	9	0	0	0	2	349	811	4.00	13.74	1992	3.70	8/1992	6	3	1	0.0				
Aug	84.5	63.1	73.8	105	5/1918*	38	31/1915	5	0	0	0	5	286	745	3.41	12.76	1924	6.10	3/1943	6	2	1	0.0				
Sep	78.9	56.0	67.5	100	5/1899	22	30/1899	2	0	0	0	67	149	533	3.89	13.54	1961	5.21	20/1986	6	2	1	0.0	0.4	1942		
Oct	67.1	44.4	55.7	92	3/1922*	9	30/1925	0	0	4	0	308	28	235	2.60	10.08	1941	3.53	3/1986	5	1	0	0.1	5.0	1916	5	20/1916
Nov	51.5	33.5	42.5	82	7/1915*	-7	30/1893	0	1	15	0	667	0	48	2.67	9.33	1985	3.85	2/1936	6	2	0	1.5	10.4	1951	8	7/1951
Dec	37.0	21.1	29.1	70	3/1970*	-22	22/1989*	0	11	26	2	1,107	0	5	2.60	7.40	1971	3.40	21/1949	6	1	0	5.6	20.9	1973	12	20/1973#
Tot/Ave	62.4	41.9	52.2					23	39	121	9	5,734	1,172	3,708	37.00					67	20	4	24.9				

Means based on 1961-1990 data.  
Extremes from period of record.

† Calendar Day  
†† Snow Depth records start in 1901  
‡ Records also occurred on the following dates:  
Feb: Snow Depth 2/2/1979, 2/8,9,10/1979  
Dec: Snow Depth 12/21/1973, 12/28,29,30,31/1983

\* Records also occurred on the following dates:  
Jan: High Temp 1/25/1950  
Feb: High Temp 2/24/1930, 2/10/1932  
Low Temp 2/13/1905  
Aug: High Temp 8/13/1936  
Oct: High Temp 10/8/1939, 10/2/1953  
Nov: High Temp 11/19/1930, 11/1/1950  
Dec: High Temp 12/2/1982  
Low Temp 12/23/1989

Probabilities: Precipitation (in) Missing Data: 3.0%  
Station: (110766) NORMAL Years: 1961 To 1977

	1%	5%	10%	25%	50%	75%	90%	95%	99%
Ja	0.09	0.24	0.39	0.77	1.45	2.45	3.67	4.55	6.53
Fe	0.20	0.38	0.52	0.81	1.26	1.85	2.51	2.98	3.98
Ma	0.47	0.87	1.18	1.85	2.86	4.20	5.70	6.74	9.00
Ap	0.70	1.21	1.58	2.35	3.49	4.95	6.56	7.67	10.05
Ma	0.80	1.36	1.76	2.61	3.83	5.40	7.13	8.31	10.84
Jn	0.45	0.90	1.25	2.04	3.26	4.91	6.80	8.12	11.00
Ju	0.92	1.46	1.83	2.59	3.66	4.99	6.43	7.41	9.49
Au	0.74	1.15	1.42	1.98	2.75	3.71	4.74	5.44	6.91
Se	0.40	0.90	1.32	2.30	3.89	6.10	8.68	10.51	14.55
Oc	0.10	0.29	0.48	1.00	1.94	3.36	5.12	6.40	9.29
No	0.52	0.82	1.02	1.43	2.01	2.73	3.51	4.04	5.16
De	0.13	0.35	0.56	1.11	2.09	3.52	5.27	6.54	9.38
An	24.52	27.73	29.56	32.80	36.67	40.83	44.83	47.34	52.29
Wi	1.49	2.31	2.85	3.96	5.51	7.42	9.46	10.85	13.77
Sp	5.74	7.05	7.82	9.25	11.02	13.01	14.99	16.27	18.84
Su	6.37	7.46	8.09	9.22	10.60	12.11	13.58	14.52	16.38
Fa	3.12	4.37	5.16	6.71	8.76	11.20	13.75	15.44	18.94

Growing Season Summary  
Station: (110766) NORMAL  
Years: 1961 To 1977 Missing Data: 3.0%

Base Temp	Date of Last Spring Occurrence						Date of First Fall Occurrence					
	Median	Early	90%	10%	Late	#yrs	Median	Early	10%	90%	Late	#yrs
32	4/26	4/03	4/10	5/07	5/10	17	10/16	9/23	9/30	11/02	11/03	16
30	4/24	4/02	4/09	5/03	5/10	17	10/21	9/23	10/07	11/04	11/03	16
28	4/10	3/31	3/31	4/24	5/10	17	10/26	10/02	10/12	11/14	11/15	16
24	3/31	3/17	3/19	4/13	5/10	17	11/10	10/20	10/23	11/21	11/23	16
20	3/24	2/19	2/25	4/03	4/09	17	11/18	10/29	11/03	12/07	12/07	16
16	3/14	2/05	2/09	3/30	3/31	17	11/30	11/06	11/09	12/09	12/12	16

  

Base Temp	Length of Season (Days)					
	Median	Shortest	10%	90%	Longest	#yrs
32	179	149	152	203	209	16
30	185	152	161	204	210	16
28	204	161	168	223	228	16
24	224	168	193	235	247	16
20	238	220	221	266	292	16
16	261	228	229	286	306	16

AVERAGE MAXIMUM TEMPERATURE

NORMAL, IL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVERAGE
1893	24.8	36.0	45.8*	59.2*	72.9M	89.5	94.8M	87.4*	79.9*	70.8M	51.0	40.1	62.7M**
1894	39.4	35.9M	56.5	66.3	76.4	92.2M	91.1*	87.2*	77.7*	65.2*	44.9M	41.6M	64.5M**
1895	29.7	30.4	49.7M	68.0M	80.3	93.6M	88.9	88.2*	84.1	63.0M	46.5	39.8M	63.5M**
1896	37.1*	38.0M	69.9*	74.2	83.9M	85.5	85.0	83.0	76.0	65.7M	51.4M	43.9	66.1M**
1897	31.6	37.6	47.1	59.1	73.4	83.9	91.0	87.0	88.6	75.6M	49.3	33.1	63.1M
1898	37.3	37.7	53.8	62.5	74.3	87.6	90.9	87.1	83.6	63.7	46.5	35.7	63.4
1899	33.2	28.6	42.2	67.1	77.6	86.4	89.2	91.9	79.2	72.5	55.4	37.4	63.4
1900	39.8	34.1	42.6	66.8	79.4	84.6	87.7	91.7*	82.4	75.9	50.3	38.8	64.5M**
1901	37.7	31.6	50.3	64.1	75.0	88.0	97.4	89.8	81.3	71.2	48.8	31.8	63.9
1902	35.3	29.4	52.5	64.8	81.0	81.1	88.3	83.2M	74.6	69.8	57.7	34.0	62.6M
1903	33.7	35.1	56.3	65.9	78.6	80.7	90.2	84.3	80.9	69.3	48.1	32.8	63.0
1904	28.5	31.2	49.0	59.8	76.5	84.9	87.2	86.3	80.5	69.6	57.4M	38.7	62.5M
1905	28.0	28.3	56.0	65.1	76.6	88.3	87.5	91.1	82.4	68.3	54.3	40.2	63.8
1906	40.5	39.9	38.8	69.4	79.3	84.2	91.6	92.0	85.1	66.6	49.6	39.4	64.7
1907	38.9M	39.0	58.1	55.0	68.4	79.3	87.2	84.5M	77.3	64.3	49.7	40.0	61.8M
1908	37.8	35.1	55.3	63.3	72.8	82.9	88.4	88.3	86.2	68.1	53.1	41.2	64.4
1909	36.1	42.4	47.5	61.4	72.2	84.2	84.9	91.3	77.4	62.5	59.8	28.4	62.3
1910	33.3	35.1	64.5	65.4	69.0M	85.0	88.1	86.4	78.6	71.3	46.6	33.8M	63.1M
1911	37.5	41.9	52.5	59.4	83.3	89.6	89.5	86.1	78.9	63.4	44.0	40.9	63.9
1912	29.5	29.6	38.5	64.7	76.2	81.8M	86.7	83.3	80.0	69.5	51.7	42.9	60.5M
1913	38.3	35.1	45.7M	63.8	75.4	87.5	90.7	91.5	79.4	62.4	56.1	42.5	64.0M
1914	41.3M	29.4	46.9	64.0	78.8M	87.9	94.6	88.6	78.2	69.6	55.8	29.7	63.7M
1915	31.5	42.7	44.2	71.8	71.4	81.9	83.5	78.5	79.4	69.1	55.5	35.0	62.0
1916	37.7	34.2	47.2	61.7	74.2	78.0	98.1	91.5	77.7	66.5	53.5	36.1	63.0
1917	35.7	31.2	51.7	58.4	68.0	79.0	88.4	84.7M	77.9	55.8	52.9	29.7	59.5M
1918	19.7	39.8	60.4M	55.9	80.3M	85.3	86.5	89.7	71.3	68.3	51.0	45.2	62.8M
1919	40.5	40.0	52.0	63.7	71.2	86.7	93.1	86.2	82.3	69.3M	48.4	30.1	63.6M
1920	28.4	37.0	52.3	55.3	73.5	85.9	88.4	85.9	81.2	71.7	48.8	40.1	62.4
1921	40.6	43.0	61.1	65.9	77.9	87.4	92.3	83.1	80.4	67.9	49.6	39.9	65.8
1922	33.4	41.0	50.2	63.0	76.6	85.4	85.5	86.3	82.8	70.5	51.2	40.2	63.8
1923	38.4	31.6	45.5	62.1	72.7	83.9	90.0	84.0	74.7	61.7	52.4	46.6	62.0
1924	29.4	35.9	41.2	65.8	67.9	78.7	82.0	83.6	71.7	73.5	51.4	31.9	59.4
1925	33.5	43.5	53.8	71.4	73.5	86.8	87.7	87.1	83.6	53.6	48.0	33.9	63.0
1926	35.2	40.1	42.9	56.2	77.5	80.3	89.5	85.9	75.1	63.1	44.5	34.9	60.4
1927	33.0	45.0	52.1	60.5	70.2	78.3	85.4	80.4	81.8	72.0	54.1	36.7	62.5
1928	35.5	40.6	50.8	59.3	76.2	77.1	87.3	86.9	74.6	67.9	49.6	41.3	62.3
1929	30.0	31.9	56.9	64.0	69.4	80.5	86.1	83.3	77.0	63.6	44.4	36.0	60.3
1930	28.4	48.0	49.5	67.5	75.1	83.7	92.0	88.8	82.4	63.8	52.8	37.2	64.1
1931	40.9M	44.8	43.5	64.5	70.5	87.3	92.1	85.9	83.9*	68.4	59.0	45.0	65.5M**
1932	41.1	46.4*	40.9	63.3	76.7	85.7	88.7	85.5	76.6	64.6	45.2	38.2	62.7**
1933	46.6	37.8	48.4	61.0	72.6	93.3	91.7	85.4	86.0	62.7	50.2	41.7	64.8
1934	39.9	34.3	44.3	65.0	83.5	92.7	93.7	85.4	75.2	68.9	54.1	32.8	64.2
1935	36.3	38.8	56.0	58.0	65.0	78.1	90.7	86.2	78.8	65.5	47.2	30.5	60.9
1936	25.1	26.5	53.2	60.1	78.9	88.0	99.8	92.5	80.8	65.5	48.5	41.9	63.4
1937	35.3	36.0	45.6	59.8	74.5	81.6	87.5	90.2	79.1	62.1	48.0	32.6	61.0
1938	35.1	44.0	60.2	63.9	73.8	81.4	89.0	89.1	79.8	73.8	55.0	37.3	65.2
1939	40.0	38.1	52.4	58.5	78.9	83.4	87.3	84.5	86.7	69.5	49.6	42.5	64.3
1940	20.6	35.4	43.8	60.2	69.7	86.1	91.0	86.5	79.6	71.4	46.7	41.2	61.0
1941	34.6	33.9	44.5	67.0	78.2	84.5	87.8	86.8	81.6	65.1	52.9	43.8	63.4
1942	35.4	32.7	52.3	68.3	73.3	81.9	87.1	83.7	76.0	67.2	52.4	32.1	61.9
1943	34.2	43.3	47.5	61.4	71.2	85.1	90.1	87.5	75.9	67.1	46.9	36.2	62.2
1944	42.7	41.1	44.0	61.4	78.5	88.4	88.9	86.9	78.2	68.5	50.6	31.6	63.4
1945	29.2	39.4	62.5	64.6	68.3	77.6	86.2	86.5	78.4	66.3	52.0	30.7	61.8

\* Normal data missing, Peoria data substituted.

\*\* Annual average calculated from Normal and Peoria data.

M monthly- less than 4 days missing. Annually- one or more months incomplete.

AVERAGE MINIMUM TEMPERATURE

NORMAL, IL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVERAGE
1946	37.8	42.3	62.1	67.2	68.2	83.5	87.3	82.5	79.2	72.2	53.1	43.9	64.9
1947	37.9	30.7	41.9	61.6	69.4	80.1	85.5	95.6	81.0	75.9	43.2	40.6	62.0
1948	31.0	39.2	49.2	67.9	73.4	84.0	86.9	87.8	82.0	65.5	53.3	42.2	63.5
1949	37.0	39.8	50.9	64.1	78.5	85.7	89.2	85.8	74.2	69.9	53.9	44.0	64.4
1950	42.5	36.5	45.9	56.1	76.9	82.6	84.2	82.6	77.1	73.5	44.8	29.5	61.0
1951	35.7	38.7	45.5	59.1	77.6	79.5	85.4	83.7	76.6	69.7	43.2	36.1M	60.9M
1952	39.4	43.1	47.5	66.5	73.5	90.1M	88.7	85.3	81.5	65.5	53.7	38.9M	64.5M
1953	37.3	45.8	51.8	59.7	76.4	89.3	88.6	87.7	84.2	74.4	54.4	41.3	65.9
1954	37.5	49.8	46.9	70.6	72.0	88.0	92.7	86.5	81.0*	66.9	50.1*	38.7M	65.1M**
1955	35.2	40.2	52.1	72.8	78.4	79.9	92.2	90.5	81.9	69.8M	49.2M	37.0	64.9M
1956	37.0	39.0	52.6	64.2	77.7	86.2	85.7	86.2	83.2	77.0	52.6	40.8	65.2
1957	30.5	43.3	51.2	61.3	74.3	83.3	88.2	88.0	78.9	65.3	50.9	45.3	63.4
1958	34.5	32.5	45.0	65.5	77.4	78.3	83.0	86.4	79.0	71.5	56.0	34.3	62.0
1959	30.6	39.1	50.6	65.1	79.2	88.3	87.5	88.4	81.7	64.4	44.7	43.3	63.6
1960	35.5	32.7	34.1	66.2	69.8	79.6	85.0	84.8	82.9	69.2	52.6	34.7	60.6
1961	33.6	44.2	51.2	57.6	71.0	83.2	85.6	84.0	81.7	67.6	51.0	34.7	62.1
1962	27.4	37.4	43.9	62.8	81.4	84.6	83.8	85.5	76.7	69.8	52.5	36.6	61.9
1963	23.8	31.6	54.2	68.9	74.5	87.9	86.4	82.2	79.1	79.0	55.2	26.5	62.4
1964	40.8	37.8	48.4	64.4	80.2	85.2	86.2	85.3	79.5	66.5	56.8	35.3	63.9
1965	35.8	38.6	39.1	63.8	79.6	83.0	84.7	82.0	76.3	66.7	55.1	45.1	62.5
1966	30.4	39.9M	51.6	58.9	70.0	84.5	91.1	82.7	74.9	65.5	54.1	38.2	61.8M
1967	40.0	34.0	51.4	65.2	69.2	83.5	83.6	80.4	75.9	64.8	46.7	38.0	61.1
1968	31.7	35.3	56.3	64.4	69.4	85.6	85.5	84.7	78.2	67.1	49.5	36.4	62.0
1969	30.0	37.0	44.5	65.8	75.7	80.3	86.9	85.2	77.3	64.4	47.8	33.5	60.7
1970	27.0	38.8	45.5	65.0	77.4	80.5	87.3	84.4	80.5	65.8	47.8	40.7	61.7
1971	31.1	38.0	46.4	66.9	72.1	90.1	83.0	84.2	81.2	74.4	52.8	43.1	63.6
1972	33.0	36.6	50.6	61.9	77.5	82.1	84.9	84.7	79.3	62.0	42.6	33.4	60.7
1973	37.5	39.8	56.1	61.5	69.4	84.8	85.7	85.2	79.3	72.2	52.9	34.6	63.3
1974	32.9	39.2	54.6	66.3	70.2	79.2	90.0	82.9	74.5	67.2	48.7	37.1	61.9
1975	36.6	34.0	44.5	58.9	77.8	83.6	83.7	84.2	73.8	70.8	55.8	39.0	61.9
1976	31.8	48.9	57.6	68.2	71.8	83.7	87.2	82.2	78.2	60.3	45.8	34.9	62.6
1977	18.8	38.2	55.2	71.3	82.2	82.5	89.9	82.4	78.9	64.0	49.8	33.7	62.2
1978	24.0	26.0	42.3	64.8	72.2	85.3	86.3	84.0	84.8	66.0	53.1	37.7	60.5
1979	21.7	26.3	49.1	59.5	75.5	86.0	83.9	84.2	81.0	67.3	50.8	43.7	60.8
1980	33.9	30.6	44.7	61.0	76.3	82.2	91.2	89.6	81.0	65.5	52.8	38.5	62.3
1981	33.7	42.0	53.2	69.4	69.6	84.4	84.8	82.2	77.4	65.5	54.0	35.3	62.6
1982	25.5	32.0	47.9	58.5	80.5	79.1	85.7	82.3	77.2	69.0	51.1	45.4	61.2
1983	35.5	44.0	49.6	56.6	69.7	84.7	92.4	91.9	81.7	67.3	53.5	23.5	62.5
1984	29.6	45.9	38.8	59.5	71.7	87.3	85.1	87.6	77.9	69.4	52.1	46.3	62.6
1985	27.9	33.9	55.7	69.9	79.4	81.7	85.4	81.5	79.5	68.2	49.7	30.3	61.9
1986	39.3	35.2	55.4	71.5	76.9	86.0	88.3	82.9	82.1	66.9	46.2	39.5	64.2
1987	33.6	46.0	57.2	67.8	83.7	87.7	88.5	86.7	80.5	62.2	55.5	40.6	65.8
1988	33.9	35.6	52.5	67.1	80.8	89.4	92.0	91.5	82.3	61.3	51.8	40.7	64.9
1989	44.2	29.0	52.1	62.8	71.7	83.2	86.8	84.3	72.4*	69.5	53.7	29.0	61.6**
1990	46.1	45.5	55.2	63.4	70.3	84.2	84.2	83.8	77.0	65.1	56.4	37.5	64.1
1991	29.2	39.4	51.5	66.4	78.0	88.1	88.4	86.3	77.1	65.4	44.4	39.4	62.8
1992	36.8	43.1	50.9	59.8	74.2	82.0	82.0	79.3	75.0	64.7	42.9	38.4	60.8
1993	34.5	34.3	43.1	58.2	75.5	80.6	84.9	84.5	70.9	62.2	47.4	36.4	59.4
1994	26.2	34.2	49.0	62.8	72.2	85.0	83.7	80.2	75.6	66.5	53.9	41.7	60.9

\* Normal data missing, Peoria data substituted.

\*\* Annual average calculated from Normal and Peoria data.

M monthly- less than 4 days missing. Annually- one or more months incomplete.

AVERAGE MINIMUM TEMPERATURE

NORMAL, IL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVERAGE
1893	1.8	12.1	31.3*	43.4*	44.8M	53.8	61.6M	61.7*	57.6*	40.3M	25.6	16.6	37.6M**
1894	16.4	13.3M	33.0	42.4	46.9	54.1M	66.5*	63.5*	59.4*	46.6*	24.3M	24.0M	40.9M**
1895	5.4	7.2	24.8M	41.5M	47.8	56.9M	58.0	65.1*	55.9	32.2M	30.1	22.1M	37.3M**
1896	24.3*	20.3M	50.5*	46.3	56.7M	58.9	62.6	62.5	50.6	38.0M	29.9M	25.7	43.9M**
1897	14.5	22.5	30.0	39.4	46.8	60.6	66.3	58.6	57.6	46.5M	30.9	17.8	41.0M
1898	22.0	22.6	33.4	38.4	50.7	61.7	62.7	63.9	59.0	45.6	30.0	17.1	42.3
1899	17.9	10.8	25.0	41.9	52.9	61.1	62.7	62.8	52.1	48.8	37.3	20.0	41.1
1900	22.4	12.8	24.3	41.2	52.7	59.5	64.5	69.3*	56.6	50.4	31.4	23.5	42.4**
1901	20.4	12.0	29.1	38.1	48.4	61.5	66.8	60.7	52.9	43.7	27.3	18.1	39.9
1902	17.8	9.1	33.2	37.6	54.5	57.8	63.8	58.8M	51.6	45.3	40.4	20.4	40.9M
1903	17.4	18.5	34.8	40.6	53.8	53.8	62.4	61.1	54.0	42.9	28.8	13.8	40.2
1904	10.7	12.7	30.0	34.3	49.9	58.3	61.2	58.5	55.4	44.3	31.6M	19.1	38.8M
1905	11.4	8.6	35.0	40.2	51.7	60.4	61.3	62.5M	57.3	42.0	30.3	22.8	40.3M
1906	23.7	19.5	23.2	43.0	52.0	58.8	60.1	64.8	58.5	42.7	32.2	24.3	41.9
1907	22.4M	20.8	37.5	33.0	44.7	56.6	65.1	61.5M	55.4	41.7	29.7	27.1	41.3M
1908	20.3	20.5	33.5	40.9	53.4	59.0	62.9	60.1	56.3	43.2	32.0	22.9	42.1
1909	20.3	24.4	28.8	39.7	47.5	60.6	61.6M	63.5	52.5M	38.6M	39.4	12.8	40.8M
1910	19.2M	17.0	38.6	40.8	45.2	56.8	63.6M	60.0	55.4	45.2M	27.1M	18.9M	40.7M
1911	20.6	26.1	29.7	38.9	55.8	63.0	63.1M	61.0	58.4	43.6	25.7	25.3	42.6M
1912	4.1	14.4	22.1	41.6	53.5	55.9M	64.5	61.4	56.9	43.7	32.9	25.1	39.7M
1913	21.5	16.4	26.4M	40.2	51.4	59.8	65.4	64.3	54.7	43.6	40.0	30.7	42.9M
1914	26.3	11.7	28.8	42.1	53.4M	61.9M	63.5	63.0	54.8	47.2	33.1	14.9	41.7M
1915	15.2	29.0	26.7M	47.4	47.9	55.9	62.1	57.3	57.2	44.4	34.1	21.5	41.6M
1916	19.3	17.3	27.2	39.7	51.7	56.1M	65.5	63.1	51.8	42.9	33.8	17.3	40.5M
1917	17.5	12.1	30.3	38.9	43.2	56.3	62.4	58.8M	51.3	34.6	32.4	12.1	37.5M
1918	1.9	18.6	33.3	36.5	55.5M	59.7	60.8	66.3	47.5	46.3	33.5	29.6	40.8M
1919	21.8	22.6	31.5	41.8	47.1	63.7	65.2	60.2	56.6	46.3	29.9	14.5	41.8
1920	12.4	20.7	31.3	35.8	49.2	60.1	61.5	59.7	57.0	49.1	31.6	24.3	41.1
1921	25.7	27.4	37.0	44.4	53.1	64.9	67.1	63.0	59.7	44.7	33.0	24.8	45.4
1922	13.3	21.4	33.2	42.1	55.1	60.5	62.7	62.1	56.5	45.8	34.5	20.4M	42.3M
1923	25.1	15.9	24.5	37.1	47.3	61.8	64.3	61.3	55.6	39.8	35.0	31.7	41.6
1924	11.7	21.3	29.3M	41.8	45.2	58.1	59.5	62.8	49.7	46.7	32.1	15.1	39.4M
1925	16.0	25.0	30.6	45.6	44.9	62.7	64.0	61.1	61.6	35.9	29.4	18.6	41.3
1926	19.3	26.5	23.8	33.6	52.1	55.7	64.5	64.4M	57.6	44.4	29.7	20.5	41.0M
1927	16.6M	28.7	35.1	41.9	49.8	56.7	62.4	56.8	59.4	47.2	36.0M	19.4	42.5M
1928	19.1	24.7	30.0	36.3	50.1	56.0	64.0	63.8	50.1	47.6	35.3	25.8	41.9
1929	9.4	14.5	36.0	43.5	48.4	57.5	64.1	60.5	54.8	43.2	28.5	21.5	40.2
1930	11.4	31.0	28.4	43.0	52.3	59.6	64.9	63.0	56.3	42.8	32.2	24.2	42.4
1931	23.6M	28.0	28.0	41.3	46.9	63.7	67.1M	61.7	62.2*	49.5	41.5	31.7	45.4M**
1932	27.2	27.2*	22.7	39.8	50.2	61.1	63.6	61.3	52.2	42.6	25.5	19.5	41.1**
1933	28.0	16.0	31.3	40.8	53.3	62.9	64.6	61.0	58.6	41.6	29.1	25.0	42.7
1934	24.7	14.6	24.1	38.8	54.1	65.2	67.7	63.0	54.1	44.9	36.8	19.1	42.3
1935	19.9	24.6	36.1	39.3	47.3	57.4	67.1	63.7	53.2	42.3	31.8	16.3	41.6
1936	9.9	5.3	31.7	36.5	55.2	57.3	68.5	66.7	60.0	43.8	28.3	25.4	40.7
1937	16.9	18.7	27.1	40.7	52.1	60.0	63.1	64.8	52.8	40.9	26.0	21.2	40.4
1938	18.4	29.6	37.8	42.8	51.0	58.8	64.4	66.7	56.6	46.8	34.1	22.1	44.1
1939	25.2	18.8	31.0	37.0	53.6	63.3	64.8	60.8	57.6	44.4	29.5	24.6	42.6
1940	4.6	22.7	27.4	38.3	47.8	61.9	64.4	63.9	51.4	45.7	27.8	27.7	40.3
1941	22.4	18.5	26.4	45.2	54.7	62.8	64.2	63.8	59.3	49.4	34.9	31.0	44.4
1942	19.5	19.8	33.0	44.7	51.2	61.7	65.9	61.9	54.0	42.5	33.4	16.6	42.0
1943	17.7	21.1	25.3	37.7	49.8	63.0	62.3	63.3	47.8	39.6	26.4	18.5	39.4
1944	19.8	20.7	25.4	40.2	55.7	62.7	59.5	60.6	55.1	37.8	36.7	16.1	40.9
1945	14.0	24.4	37.9	43.1	46.0	57.9	61.4	62.1	56.0	41.2	32.7	16.0	41.1

\* Normal data missing, Peoria data substituted.

\*\* Annual average calculated from Normal and Peoria data.

M Monthly- less than 4 days missing. Annually- one or more months incomplete.

AVERAGE MINIMUM TEMPERATURE

NORMAL, IL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVERAGE
1946	20.0	23.1	41.7	43.0	50.3	60.4	64.8	60.2	55.1	48.6	35.9	26.2	44.1
1947	22.6	14.5	25.8	40.8	48.3	59.7	61.6	70.4	57.8	52.9	29.0	25.7	42.4
1948	13.5	20.2	30.9	45.9	48.2	60.1	65.3	62.9	57.7	41.6	36.6	24.9	42.3
1949	22.0	23.1	30.9	38.8	53.4	64.7	68.2	63.9	49.9	48.6	34.2	26.8	43.7
1950	23.4	21.6	28.1	35.6	52.9	60.8	62.0	58.6	56.5	49.7M	27.7	13.8M	40.9M
1951	20.0	22.5	28.5	39.1	53.6	59.4	64.3	61.4	53.4	47.0	26.5	19.7M	41.3M
1952	21.0	27.3	28.5	40.2	50.8	65.7M	66.5	60.4	53.0	36.1M	32.7	26.9	42.4M
1953	23.9	25.0	31.6	37.4	51.7	63.9	64.3	61.7	53.7	46.3	34.6	23.8	43.2
1954	20.6	30.0	27.2	45.3	46.1	65.0	66.0	63.6	57.1*	47.1M	33.4*	24.7M	43.8M**
1955	17.0	21.7	28.5	47.0	52.0	57.1	69.4	65.3	55.2	46.0M	27.6M	18.1	42.1M
1956	19.4	23.8	29.3	36.9M	52.0	69.0M	63.1	63.7	53.2	48.3	30.2	26.2	42.9M
1957	11.5	26.9	28.2M	41.2	49.6	58.9	65.5	62.6	52.6	39.8	32.6M	27.5M	41.4M
1958	21.2	14.5	29.5	41.7	50.7	56.8	64.6	64.4	57.2	45.4	36.1	16.0	41.5
1959	12.7	21.3M	31.0	41.4	57.6	63.0	64.1	68.7	58.1	44.9	26.7	30.4	43.3M
1960	21.7	20.3	16.9	44.4	49.4	59.3M	63.4M	64.8	60.9	44.9	35.0	19.1	41.7M
1961	16.6	27.1	34.2	36.6	47.2M	60.0M	65.0	64.0	59.5	46.9	34.1	19.6	42.6M
1962	12.0	21.9	27.7	40.5	59.5	61.8	64.4	63.4	53.9	48.2	34.2	18.3	42.2
1963	8.7	12.5	33.9	43.8	49.8	62.5	64.5	61.1	55.6	53.6	37.1	10.0	41.1
1964	21.8	22.1	29.7	42.8	56.6	62.8	66.0	61.8	56.6	41.4	37.0	21.2	43.3
1965	19.5	19.9	22.8	43.2	58.1	60.6	63.9	62.6	58.5	45.5	35.9	31.6	43.5
1966	13.9	23.1M	32.2	38.7	46.1	60.2	65.8	58.3	52.7	39.9	35.2	23.3	40.8M
1967	21.8	16.0	32.2	44.2	45.6	62.2	60.6	58.0	51.5	44.6	29.5	24.4	40.9
1968	15.5	14.2	31.7	40.6	48.7	62.5	64.1	64.6	54.7	43.9	33.7	21.7	41.3
1969	14.5	23.0	23.2	42.7	51.4	56.9	66.4	62.2	55.6	42.4	29.2	20.0	40.6
1970	8.8	18.5	27.2	42.4	55.1	60.5	64.2	63.3	57.1	42.8M	32.4	24.7	41.4M
1971	12.2	21.8	27.5	38.2	47.2	65.4	62.0	61.2	59.6	51.8	32.9	29.2	42.4
1972	14.4	17.3	29.7	39.2	52.7	57.4	64.4	64.0	58.7	43.3	32.7	19.4	41.1
1973	21.3	23.1	38.7	42.3	48.8	62.2	65.4	65.6	58.7	50.2	34.5	20.1	44.2
1974	17.5	23.0	32.9	43.5	51.3	57.6	66.1	62.6	51.1	43.1	33.9	25.0	42.3
1975	21.6	21.9	26.7	37.6	54.1	63.2	63.7	66.2	52.1	45.5	38.8	25.9	43.1
1976	13.8	27.5	35.0	42.8	47.7	59.9	64.3	59.4	52.7	37.9	21.7	13.5	39.7
1977	1.0	19.1	36.9	46.2	58.1	59.5	67.1	63.3	58.3	42.8	34.5	16.3	41.9
1978	7.3	6.9	25.0	41.6	51.0	62.6	65.5	64.0	60.0	43.1	35.1	22.5	40.4
1979	4.5	8.0	31.5	39.5	50.6	61.8	63.3	64.1	54.6	44.0	32.0	27.2	40.1
1980	18.5	15.4	28.6	39.0	52.3	60.2	68.8	68.5	57.9	40.0	33.0	23.7	42.2
1981	15.5	22.0	29.4	46.4	47.9	63.6	65.6	63.2	55.2	43.6	35.8	19.5	42.3
1982	7.0	15.6	29.4	35.8	57.5	57.3	66.8	62.0	56.4	45.5	35.7	31.5	41.7
1983	23.0	26.9	31.9	38.0	49.8	62.7	69.4	68.6	56.2	47.3	36.9	10.1	43.4
1984	13.6	28.3	24.0	40.9	48.5	65.2	63.5	64.7	54.7	50.2	32.9	26.9	42.8
1985	9.3	16.8	34.6	46.6	53.7	59.6	64.5	61.4	58.1	47.8	34.5	12.1	41.6
1986	21.0	18.7	34.1	45.8	53.3	63.3	68.5	59.4	59.5	46.3	30.6	25.3	43.8
1987	19.0	25.5	33.1	41.1	56.2	63.4	68.2	64.0	55.3	37.3	36.2	27.1	43.9
1988	14.6	14.8	29.4	37.8	51.6	60.6	65.9	67.3	56.1	37.7	33.5	20.7	40.8
1989	25.4	11.2	29.2	39.5	48.0	58.9	64.6	62.5	52.0*	44.0	28.9	6.4	39.2**
1990	27.4	26.1	34.9	40.5	48.5	61.9	62.7	61.2	54.8	36.8	33.9	18.5	42.3
1991	13.0	22.8	30.3	43.2	57.9	63.0	64.4	62.2	51.5	42.8	24.5	22.6	41.5
1992	21.6	25.0	29.7	35.3	46.5	55.0	61.1	54.9	50.6	38.4	30.0	19.5	39.0
1993	15.8	14.2	23.7	35.1	49.0	56.0	63.5	61.7	48.3	37.2	27.7	20.9	37.8
1994	8.5	11.2	26.2	38.8	47.2	61.8	62.7	58.9	53.4	44.1	35.1	26.4	39.5

\* Normal data missing, Peoria data substituted.

\*\* Annual average calculated from Normal and Peoria data.

M Monthly- less than 4 days missing. Annually- one or more months incomplete.

## AVERAGE TEMPERATURE

NORMAL, IL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVERAGE
1893	13.3	24.0	38.6*	51.5*	58.8M	71.6	78.2M	74.6*	68.7*	55.5M	38.3	28.4M	50.1M**
1894	27.9	24.6M	44.8	54.4	61.6	73.2M	78.8*	75.4*	68.6*	55.9*	34.6M	32.8M	52.7M**
1895	17.5	18.8	37.2M	54.8M	64.0	75.2M	73.4	78.6*	70.0	47.6M	38.0	31.0M	50.5M**
1896	30.7*	29.2M	60.2*	60.2	70.3M	72.2	73.8	72.7	63.3	51.8M	40.6M	34.8	55.0M**
1897	23.0	30.1	38.6	49.2	60.1	72.2	78.6	72.8	73.1	61.0M	40.1	25.4	52.0M
1898	29.6	30.2	43.6	50.4	62.5	74.6	76.8	75.5	71.3	54.6	38.2	26.4	52.8
1899	25.6	19.7	33.6	54.5	65.2	73.8	76.0	77.4	65.7	60.6	46.4	28.7	52.3
1900	31.1	23.4	33.4	54.0	66.0	72.0	76.1	80.5*	69.5	63.2	40.8	31.2	53.4**
1901	29.0	21.8	39.7	51.1	61.7	74.8	82.1	75.3	67.1	57.5	38.1	25.0	51.9
1902	26.6	19.3	42.9	51.2	67.8	69.5	76.1	71.0M	63.1	57.6	49.1	27.2	51.8M
1903	25.6	26.8	45.6	53.3	66.2	67.3	76.3	72.7	67.5	56.1	38.5	23.3	51.6
1904	19.6	22.0	39.5	47.1	63.2	71.6	74.2	72.4	68.0	57.0	44.5M	28.9	50.7M
1905	19.7	18.5	45.5	52.7	64.2	74.4	74.4	76.8M	69.9	55.2	42.3	31.5	52.1M
1906	32.1	29.7	31.0	56.2	65.7	71.5	75.8	78.4	71.8	54.7	40.9	31.9	53.3
1907	30.7M	29.9	47.8	44.0	56.6	68.0	76.2	73.0M	66.4	53.0	39.7	33.6	51.6M
1908	29.1	27.8	44.3	52.1	63.1	71.0	75.7	74.2	71.3	55.6	42.6	32.1	53.2
1909	28.2	33.4	38.2	50.6	59.9	72.4	73.3M	77.4	65.0M	50.6M	49.6	20.6	51.6M
1910	26.3M	26.1	51.6	53.1	57.1M	70.9	75.9M	73.2	67.0	58.3M	36.9M	26.4M	51.9M
1911	29.1	34.0	41.1	49.2	69.6	76.3	76.3M	73.6	68.7	53.5	34.9	33.1	53.3M
1912	12.3	22.0	30.3	53.2	64.9	68.9M	75.6	72.4	68.5	56.6	42.3	34.0	50.1M
1913	29.9	25.8	36.1M	52.0	63.4	73.7	78.1	77.9	67.1	53.0	48.1	36.6	53.5M
1914	33.8M	20.6	37.9	53.1	66.1M	74.9M	79.1	75.8	66.5	58.4	44.5	22.3	52.8M
1915	23.4	35.9	35.5M	59.6	59.7	68.9	72.8	67.9	68.3	56.8	44.8	28.3	51.8M
1916	28.5	25.8	37.2	50.7	63.0	67.1M	81.8	77.3	64.8	54.7	43.7	26.7	51.8M
1917	26.6	21.7	41.0	48.7	55.6	67.7	75.4	71.8M	64.6	45.2	42.7	20.9	48.5M
1918	10.8	29.2	46.9M	46.2	67.9M	72.5	73.7	78.0	59.4	57.3	42.3	37.4	51.8M
1919	31.2	31.3	41.8	52.8	59.2	75.2	79.2	73.2	69.5	57.8M	39.2	22.3	52.7M
1920	20.4	28.9	41.8	45.6	61.4	73.0	75.0	72.8	69.1	60.4	40.2	32.2	51.7
1921	33.2	35.2	49.1	55.2	65.5	76.2	79.7	73.1	70.0	56.3	41.3	32.4	55.6
1922	23.4	31.2	41.7	52.6	65.9	73.0	74.1	74.2	69.7	58.2	42.9	30.3M	53.1M
1923	31.8	23.8	35.0	49.6	60.0	72.9	77.2	72.7	65.2	50.8	43.7	39.2	51.8
1924	20.6	28.6	35.3M	53.8	56.6	68.4	70.8	73.2	60.7	60.1	41.8	24.1M	49.5M
1925	24.8	34.3	42.2	58.5	59.2	74.8	75.9	74.1	72.6	44.8	38.7	26.3	52.2
1926	27.3	33.3	33.4	44.9	64.8	68.0	77.0	75.2M	66.4	53.8	37.1	27.7	50.7M
1927	24.8M	36.9	43.6	51.2	60.0	67.5	73.9	68.6	70.6	59.6	45.1M	28.1	52.5M
1928	27.3	32.7	40.4	47.8	63.2	66.6	75.7	75.4	62.4	57.8	42.5	33.6	52.1
1929	19.7	23.2	46.5	53.8	58.9	69.0	75.1	71.9	65.9	53.4	36.5	28.8	50.2
1930	19.9	39.5	39.0	55.3	63.7	71.7	78.5	75.9	69.4	53.3	42.5	30.8	53.3
1931	32.3M	36.4	35.8	52.9	58.7	75.5	79.6M	73.8	73.0*	59.0	50.3	38.4	55.5M**
1932	34.2	36.8*	31.8	51.6	63.5	73.4	76.2	73.4	64.4	53.6	35.4	28.9	51.9**
1933	37.3	26.9	39.9	50.9	63.0	78.1	78.2	73.2	72.3	52.2	39.7	33.4	53.8
1934	32.3	24.5	34.2	51.9	68.8	79.0	80.7	74.2	64.7	56.9	45.5	26.0	53.2
1935	28.1	31.7	46.1	48.7	56.2	67.8	78.9	75.0	66.0	53.9	39.5	23.4	51.3
1936	17.5	15.9	42.5	48.3	67.1	72.7	84.2	79.6	70.4	54.7	38.4	33.7	52.1
1937	26.1	27.4	36.4	50.3	63.3	70.8	75.3	77.5	66.0	51.5	37.0	26.9	50.7
1938	26.8	36.8	49.0	53.4	62.4	70.1	76.7	77.9	68.2	60.3	44.6	29.7	54.7
1939	32.6	28.5	41.7	47.8	66.3	73.4	76.1	72.7	72.2	57.0	39.6	33.6	53.5
1940	12.6	29.1	35.6	49.3	58.8	74.0	77.7	75.2	65.5	58.6	37.3	34.5	50.7
1941	28.5	26.2	35.5	56.1	66.5	73.7	76.0	75.3	70.5	57.3	43.9	37.4	53.9
1942	27.5	26.3	42.7	56.5	62.3	71.8	76.5	72.8	65.0	54.9	42.9	24.4	52.0
1943	26.0	32.2	36.4	49.6	60.5	74.1	76.2	75.4	61.9	53.4	36.7	27.4	50.8
1944	31.3	30.9	34.7	50.8	67.1	75.6	74.2	73.8	66.7	53.2	43.7	23.9	52.2
1945	21.6	31.9	50.2	53.9	57.2	67.8	73.8	74.3	67.2	53.8	42.4	23.4	51.5

\* Normal data missing, Peoria data substituted.

\*\* Annual average calculated from Normal and Peoria data.

M Monthly- less than 4 days missing. Annually- one or more months incomplete.



AVERAGE TEMPERATURE

NORMAL, IL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVERAGE
1946	28.9	32.7	51.9	55.1	59.2	72.0	76.1	71.4	67.2	60.4	44.5	35.1	54.5
1947	30.3	22.6	33.9	51.2	58.9	69.9	73.6	83.0	69.4	64.4	36.1	33.2	52.2
1948	22.3	29.7	40.1	56.9	60.8	72.1	76.1	75.4	69.9	53.6	45.0	33.6	53.0
1949	29.5	31.5	40.9	51.5	66.0	75.2	78.7	74.9	62.1	59.3	44.1	35.4	54.1
1950	33.0	29.1	37.0	45.9	64.9	71.7	73.1	70.6	66.8	61.6M	36.3	21.7M	51.0M
1951	27.9	30.6	37.0	49.1	65.6	69.5	74.9	72.6	65.0	58.4	34.9	27.9M	51.1M
1952	30.2	35.2	38.0	53.4	62.2	77.9M	77.6	72.9	67.3	50.8M	43.2	32.9M	53.5M
1953	30.6	35.4	41.7	48.6	64.1	76.6	76.5	74.7	69.0	60.4	44.5	32.6	54.6
1954	29.1	39.9	37.1	58.0	59.1	76.5	79.4	75.1	69.1*	57.0M	41.8*	31.7M	54.5M**
1955	26.1	31.0	40.3	59.9	65.2	68.5	80.8	77.9	68.6	57.9M	38.4M	27.6	53.5M
1956	28.2	31.4	41.0	50.6M	64.9	74.1M	74.4	75.0	68.2	62.7	41.4	33.5	53.8M
1957	21.0	35.1	39.7M	51.3	62.0	71.1	76.9	75.3	65.8	52.6	41.8M	36.4M	52.4M
1958	27.9	23.5	37.3	53.6	64.1	67.6	73.8	75.4	68.1	58.5	46.1	25.2	51.8
1959	21.7	30.2M	40.8	53.3	68.4	75.7	75.8	78.6	69.9	54.7	35.7	36.9	53.5M
1960	28.6	26.5	25.5	55.3	59.6	69.5M	74.2M	74.8	71.9	57.1	43.8	26.9	51.1M
1961	25.1	35.7	42.7	47.1	59.1M	71.6M	75.3	74.0	70.6	57.3	42.6	27.2	52.4M
1962	19.7	29.7	35.8	51.7	70.5	73.2	74.1	74.5	65.3	59.0	43.4	27.5	52.0
1963	16.3	22.1	44.1	56.4	62.2	75.2	75.5	71.7	67.4	66.3	46.2	18.3	51.8
1964	31.3	30.0	39.1	53.6	68.4	74.0	76.1	73.6	68.1	54.0	46.9	28.3	53.6
1965	27.7	29.3	31.0	53.5	68.9	71.8	74.3	72.3	67.4	56.1	45.5	38.4	53.0
1966	22.2	31.5M	41.9	48.8	58.1	72.4	78.5	70.5	63.8	52.7	44.7	30.8	51.3M
1967	30.9	25.0	41.8	54.7	57.4	72.9	72.1	69.2	63.7	54.7	38.1	31.2	51.0
1968	23.6	24.8	44.0	52.5	59.1	74.1	74.8	74.7	66.5	55.5	41.6	29.1	51.7
1969	22.3	30.0	33.9	54.3	63.6	68.6	76.7	73.7	66.5	53.4	38.5	26.8	50.7
1970	17.9	28.7	36.4	53.7	66.3	70.5	75.8	73.9	68.8	55.8M	40.1	32.7	51.7M
1971	21.7	29.9	37.0	52.6	59.7	77.8	72.5	72.7	70.4	63.1	42.9	36.2	53.0
1972	23.7	27.0	40.2	50.6	65.1	69.8	74.7	74.4	69.0	52.7	37.7	26.4	50.9
1973	29.4	31.5	47.4	51.9	59.1	73.5	75.6	75.4	69.0	61.2	43.7	27.4	53.8
1974	25.2	31.1	43.8	54.9	60.8	68.4	78.1	72.8	62.8	55.2	41.3	31.1	52.1
1975	29.1	28.0	35.6	48.3	66.0	73.4	73.7	75.2	63.0	58.2	47.3	32.5	52.5
1976	22.8	38.2	46.3	55.5	59.8	71.8	75.8	70.8	65.5	49.1	33.8	24.2	51.1
1977	9.9	28.7	46.1	58.8	70.2	71.0	78.5	72.9	68.6	53.4	42.2	25.0	52.1
1978	15.7	16.5	33.7	53.2	61.6	74.0	75.9	74.0	72.4	54.6	44.1	30.1	50.5
1979	13.1	17.2	40.3	49.5	63.1	73.9	73.6	74.2	67.8	55.7	41.4	35.5	50.4
1980	26.2	23.0	36.7	50.0	64.3	71.2	80.0	79.1	69.5	52.8	42.9	31.1	52.2
1981	24.6	32.0	41.3	57.9	58.8	74.0	75.2	72.7	66.3	54.6	44.9	27.4	52.5
1982	16.3	23.8	38.7	47.2	69.0	68.2	76.3	72.2	66.8	57.3	43.4	38.5	51.5
1983	29.3	35.5	40.8	47.3	59.8	73.7	80.9	80.3	69.0	57.3	45.2	16.8	53.0
1984	21.6	37.1	31.4	50.2	60.1	76.3	74.3	76.2	66.3	59.8	42.5	36.6	52.7
1985	18.6	25.4	45.2	58.3	66.6	70.7	75.0	71.5	68.8	58.0	42.1	21.2	51.8
1986	30.2	27.0	44.8	58.7	65.1	74.7	78.4	71.2	70.8	56.6	38.4	32.4	54.0
1987	26.3	35.8	45.2	54.5	70.0	75.6	78.4	75.4	67.9	49.8	45.9	33.9	54.9
1988	24.3	25.2	41.0	52.5	66.2	75.0	79.0	79.4	69.2	49.5	42.7	30.7	52.9
1989	34.8	20.1	40.7	51.2	59.9	71.1	75.7	73.4	62.2*	56.8	41.3	17.7	50.4**
1990	36.8	35.8	45.1	52.0	59.4	73.1	73.5	72.5	65.9	51.0	45.2	28.0	53.2
1991	21.1	31.1	40.9	54.8	68.0	75.6	76.4	74.3	64.3	54.1	34.5	31.0	52.2
1992	29.2	34.1	40.3	47.6	60.4	68.5	71.6	67.1	62.8	51.6	36.5	29.0	49.9
1993	25.2	24.3	33.4	46.7	62.3	68.3	74.2	73.1	59.6	49.7	37.6	28.7	48.6
1994	17.4	22.8	37.6	50.8	59.7	73.4	73.2	69.6	64.5	55.3	44.5	34.1	50.2

\* Normal data missing, Peoria data substituted.

\*\* Annual average calculated from Normal and Peoria data.

M monthly- less than 4 days missing. Annually- one or more months incomplete.

COOLING DEGREE DAYS

NORMAL, IL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
1893	0†	0†	0*†	0*†	0N†	198†	409N†	298*†	159*†	0N†	0†	0N†	1,064N*†
1894	0†	0N†	0†	0†	44†	246N†	428*†	322*†	157*†	0*†	0N†	0N†	1,197N*†
1895	0†	0†	0N†	0N†	84†	306N†	260†	422*†	180†	0N†	0†	0N†	1,252N*†
1896	0*†	0N†	21*†	24†	188N†	216†	273†	239†	73†	0N†	0N†	0†	1,034N*†
1897	0†	0†	0†	0†	20†	216†	422†	242†	243†	34N†	0†	0†	1,177N†
1898	0†	0†	0†	0†	59†	288†	366†	326†	189†	0†	0†	0†	1,228†
1899	0†	0†	0†	0†	103†	264†	341†	384†	111†	28†	0†	0†	1,231†
1900	0†	0†	0†	0†	116†	210†	344†	481*†	172†	70†	0†	0†	1,393*†
1901	0†	0	0	25	63	326	535	327	159	28	0	0	1,463†
1902	0	0	0	9	153	183	355	199N†	55	15	4	0	973N†
1903	0	0	12	17	139	114	357	254	146	25	0	0	1,064
1904	0	0	0	5	68	206	295	235	142	31	0N†	0	982N†
1905	0	0	2	3	67	290	298	366N†	167	43	0	0	1,236N†
1906	0	0	0	11	133	223	335†	426	229	10	0	0	1,367†
1907	0N†	0	33	0†	32	137	352	248N†	139	14	0†	0	955N†
1908	0	0	0†	5	123	217	338	295	247	0†	0	0	1,225†
1909	0	0	0	9	35	238	257N†	393	100N†	0N†	1	0	1,033N†
1910	0N†	0	19	14	0N†	240	338N†	272	112	0N†	0N†	0N†	995N†
1911	0	0	0	2	236	347	350N†	281	143	14	0	0	1,373N†
1912	0	0	0	2	111	162N†	335	251	219	22	0	0	1,102N†
1913	0	0	0N†	10	84	305	413	408	171	33	2	0	1,426N†
1914	0N†	0	0	28	118N†	297N†	442	346	122	24	0	0	1,377N†
1915	0	0	0N†	65	22	153	255	144	169	6	5	0	819N†
1916	0	0	0	7	95	133N†	530	391	140	31	1	0	1,328N†
1917	0	0	5	10	35	137	335	211N†	75	0	0	0	808N†
1918	0	0	0N†	0	148N†	233	279	403†	17	11	0	0	1,091N†
1919	0	0	0	7	43	320	447	263	165	0N†	0	0	1,245N†
1920	0	0	0	0	60	259	318	262	167	70	0	0	1,136
1921	0	0	10	17	165	352	463	263	180†	8	0	0	1,458†
1922	0	0	0	3	87	254	291	297	201	59	0	0N†	1,192N†
1923	0	0	0	2	31	268	385	259	88	1	0	0	1,034
1924	0	0	0N†	12	12	148	204	265	24	37	3	0N†	705N†
1925	0	0	0	40	54	307	350	289	261	6	0	0	1,307
1926	0	0	0	4	112	126	379	316N†	146	25	0	0	1,108N†
1927	0N†	0	0	7	35	134	286	131	238	44	0N†	0	875N†
1928	0	0	0	1	48	110	339	330	90	46	0	0	964
1929	0	0	0	27	75	169	321	231	120	2	0	0	945
1930	0	0	0	36	92	231	429	345	191	43	3	0†	1,370†
1931	0N†	0	0	17	50	349	453N†	284	240*	52	2	0	1,447N**
1932	0	0*	0	1	78	263	356	273	81	23	0	0	1,075**
1933	0	0	0	10	71	407	414	262	248	7	5	0	1,424
1934	0	0	0	3	187	428	499	314	88	5	0	0	1,524
1935	0	0	0	14	14	137	439	344	124	16	0	0	1,088
1936	0	0	0	19	139	250	602	457	224	14	0	0	1,705
1937	0	0	0	7	88	203	326	395	153	23	0	0	1,195
1938	0	0	5	26	84	169	370	410	178	71	5	0	1,318
1939	0	0	3	10	144	278	353	245	255	68	0	0	1,356
1940	0	0	0	1	38	277	406	336	125	15	0	0	1,198
1941	0	0	0	33	147	267	349	329	216	42	0	0	1,383
1942	0	0	0	42	86	245	364	258	182	11	1	0	1,189
1943	0	0	1	1	50	292	355	335	60	1	0	0	1,095
1944	0	0	0	2	178	337	291	289	117	15	3	0	1,232
1945	0	0	3	12	27	150	284	298	139	0	6	0	919

\* Normal data missing, Peoria data substituted.

\*\* Annual total calculated from Normal and Peoria data.

† Degree days based on mean monthly temperature as opposed to daily accumulated values.

‡ Annual total calculated from values based on mean monthly temperature and daily accumulated values.

^† Annual total calculated from values based on mean monthly temperature from Normal and Peoria.

^^ Annual total calculated from daily accumulated values from Normal and Peoria, and values based on mean monthly temperature from Normal.

M monthly- less than 4 days missing. Annually- one or more months incomplete.

## COOLING DEGREE DAYS

NORMAL, IL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
1946	0	0	0	20	5†	250	348	211	119	39	0	0	992††
1947	0	0	0	0†	22	180	280	565	228	88	0	0	1,363††
1948	0	0	2	47	29	224	350	330	189	3	0	0	1,174
1949	0	0	0	6	119	318	431	313	42	52	1	0	1,282
1950	0	0	0	3	77	226	259	192	115	63M	9	3M	947M
1951	0	0	0	23	119	161	309	242	82	56	0	0M	992M
1952	0	0	0	23	81	396M	398	254	147	12M	2	0M	1,313M
1953	0	0	0	0	93	357	362	310	183	55	0	0	1,360
1954	0	0	0	48	47	378	451	319	167 <sup>A</sup>	71M	0 <sup>A</sup>	0M	1,481M <sup>**</sup>
1955	0	0	0	13	96	153	494	409	145	29M	0M	0	1,339M
1956	0	0	0	12M	120	305M	298	322	149	48	0	0	1,254M
1957	0	0	0M	23	39	199	377	328	100	0	0M	0M	1,066M
1958	0	0	0	16	78	114	280	334	160	31	2	0	1,015
1959	0	0M	0	8	188	330	343	427	197	14	0	0	1,507M
1960	0	0	0	34	28	172M†	285M†	312	235	20	0	0	1,086M††
1961	0	0	0	2	28M	216M	329	289	226	22	2	0	1,114M
1962	0	0	0	34	214	260	290	301	108	62	0	0	1,269
1963	0	0	2	20	50	322	330	228	127	125	0	0	1,204
1964	0	0	0	8	161	286	353	280	171	5	0	0	1,264
1965	0	0	0	6	171	216	298	246	144	23	0	0	1,104
1966	0	0M	0	0	43	245	424	188	78	3	0	0	981M
1967	0	0	4	20	48	250	243	164	77	29	0	0	835
1968	0	0	0	1	32	294	313	319	96	50	6	0	1,111
1969	0	0	0	8	104	172	371	278	113	35	0	0	1,081
1970	0	0	0	32	142	206	342	281	167	15M	0	0	1,185M
1971	0	0	0	14	34	392	251	252	234	78	0	0	1,255
1972	0	0	0	3	115	192	317	304	176	5	0	0	1,112
1973	0	0	0	7	12	262	334	329	158	67	0	0	1,169
1974	0	0	1	21	52	146	412	249	60	12	0	0	953
1975	0	0	0	5	118	271	288	326	82	35	2	0	1,127
1976	0	0	0	31	21	213	340	197	99	18	0	0	919
1977	0	0	0	67	224	208	428	252	139	0	0	0	1,318
1978	0	0	0	2	103	278	344	287	259	6	3	0	1,282
1979	0	0	0	3	95	275	279	300	141	35	0	0	1,128
1980	0	0	0	17	81	211	475	442	182	16	0	0	1,424
1981	0	0	1	25	42	278	324	251	106	13	0	0	1,040
1982	0	0	0	3	160	123	353	238	138	51	0	0	1,066
1983	0	0	0	3	29	280	504	481	204	32	0	0	1,533
1984	0	0	0	13	39	344	300	354	178	41	0	0	1,269
1985	0	0	9	64	107	191	314	212	207	8	0	0	1,112
1986	0	0	14	46	88	298	425	214	206	9	0	0	1,300
1987	0	0	0	27	207	324	421	337	145	0	2	0	1,463
1988	0	0	0	2	115	320	444	456	165	10	0	0	1,512
1989	0	0	3	22	65	204	341	274	57 <sup>A</sup>	30	0	0	996 <sup>A*</sup>
1990	0	0	11	44	12	264	271	246	150	4	0	0	1,002
1991	0	0	3	15	190	322	361	295	153	13	0	0	1,352
1992	0	0	0	0	54	135	213	113	70	2	0	0	587
1993	0	0	0	0	47	181	293	263	15	3	0	0	802
1994	0	0	0	13	53	275	265	164	87	8	0	0	865

\* Normal data missing, Peoria data substituted.

\*\* Annual total calculated from Normal and Peoria data.

† Degree days based on mean monthly temperature as opposed to daily accumulated values.

†† Annual total calculated from values based on mean monthly temperature and daily accumulated values.

<sup>A</sup> Annual total calculated from values based on mean monthly temperature from Normal and Peoria.<sup>AA</sup> Annual total calculated from daily accumulated values from Normal and Peoria, and values based on mean monthly temperature from Normal.

M monthly- less than 4 days missing. Annually- one or more months incomplete.

## HEATING DEGREE DAYS

NORMAL, IL

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	SEASONAL TOTAL
1892-1893							1,603	1,148	818*	405*	202M	0	
1893-1894	0M	0*	41*	295M	801	1,135M	1,150	1,131	626	318	156	0M	5,653M*
1894-1895	0*	0*	43*	282*	912M	998M	1,473	1,294	862M	306M	116	0M	6,286M*
1895-1896	0	0*	21	539M	810	1,054M	1,063*	1,038M	179*	176	13M	0	4,893M*
1896-1897	0	0	127	409M	732M	936	1,302	977	818	474	181	0	5,956M
1897-1898	0	0	0	166M	747	1,228	1,097	974	663	438	141	0	5,454M
1898-1899	0	0	0	322	804	1,197	1,221	1,268	973	315	97	0	6,197
1899-1900	0	0	88	172	558	1,125	1,051	1,165	980	330	84	0	5,553
1900-1901	0	0*	29	130	726	1,048	1,116	1,201	776	435	159	24	5,644**
1901-1902	0	2	89	252	800	1,234	1,184	1,276	678	415	59	42	6,031
1902-1903	0	1M	101	237	475	1,167	1,218	1,063	605	361	93	40	5,361M
1903-1904	0	9	66	293	786	1,287	1,400	1,241	785	537	116	0	6,520
1904-1905	2	1	46	271	615M	1,112	1,396	1,298	595	367	86	2	5,791M
1905-1906	0	0M	13	336	673	1,030	1,009	981	1,044	270	108	19	5,483M
1906-1907	0	1	16	325	713	1,022	1,063M	978	559	630	288	41	5,636M
1907-1908	0	0M	89	379	759	968	1,105	1,074	641	382	174	30	5,601M
1908-1909	0	4	52	291	665	1,013	1,133	880	823	435	187	6	5,489
1909-1910	0M	1	100M	446M	456	1,367	1,200M	1,083	426	362	245M	58	5,744M
1910-1911	0M	9	44	210M	842M	1,197M	1,108	861	734	470	91	0	5,566M
1911-1912	0M	8	27	364	897	984	1,628	1,243	1,069	349	107	38M	6,714M
1912-1913	0	18	107	275	672	952	1,081	1,096	896M	392	128	40	5,657M
1913-1914	0	0	103	396	503	873	967M	1,238	831	381	82M	0M	5,374M
1914-1915	0	3	70	222	609	1,314	1,283	810	915M	219	180	30	5,655M
1915-1916	4	47	62	255	605	1,132	1,127	1,130	855	431	152	67M	5,867M
1916-1917	0	3	140	341	634	1,180	1,183	1,209	742	494	317	50	6,293
1917-1918	2	0M	77	605	663	1,361	1,672	996	561M	557	52M	2	6,548M
1918-1919	3	0	178	242	674	848	1,044	938	713	368	281	4	5,293
1919-1920	0	0	26	223M	767	1,316	1,373	1,043	711	578	166	12	6,215M
1920-1921	0	12	36	205	737	1,010	976	827	497	307	142	11	4,760
1921-1922	0	5	21	271	705	1,006	1,283	939	715	369	53	9	5,376
1922-1923	1	2	55	265	657	1,076M	1,024	1,147	917	458	180	28	5,810M
1923-1924	0	13	74	437	633	795	1,369	1,046	921M	341	263	37	5,929M
1924-1925	20	3	148	179	691	1,268M	1,242	854	697	228	226	6	5,562M
1925-1926	5	2	25	624	782	1,194	1,162	878	973	601	110	31	6,387
1926-1927	0	0M	99	367	832	1,146	1,246M	779	655	414	183	50	5,771M
1927-1928	0	12	65	205	597M	1,138	1,166	933	754	506	97	55	5,528M
1928-1929	0	1	160	262	668	971	1,395	1,165	567	355	257	43	5,844
1929-1930	1	10	83	353	848	1,116	1,393	706	798	322	124	23	5,777
1930-1931	4	0	53	397	673	1,060	1,014M	794	899	375	238	27	5,534M
1931-1932	0M	2	56*	233	438	818	948	817*	1,025	396	116	1	4,850M**
1932-1933	1	3	93	369	881	1,113	851	1,060	769	427	125	9	5,701
1933-1934	0	0	21	394	758	970	1,008	1,125	945	390	62	0	5,673
1934-1935	0	19	90	250	579	1,200	1,137	926	582	496	280	48	5,607
1935-1936	0	26	85	356	755	1,281	1,469	1,419	693	511	70	13	6,678
1936-1937	0	0	57	330	791	966	1,200	1,048	880	444	131	21	5,868
1937-1938	1	0	118	434	831	1,172	1,176	782	492	366	156	10	5,538
1938-1939	0	0	76	209	612	1,088	996	1,018	717	518	98	20	5,352
1939-1940	0	2	34	310	753	967	1,617	1,037	904	467	225	1	6,317
1940-1941	4	13	102	207	825	939	1,125	1,079	908	292	97	1	5,592
1941-1942	0	1	47	272	625	849	1,157	1,076	685	291	163	32	5,198
1942-1943	0	8	176	318	653	1,258	1,202	912	881	456	183	12	6,059
1943-1944	0	4	145	356	842	1,159	1,041	981	933	420	107	13	6,001
1944-1945	0	8	61	374	635	1,271	1,340	920	456	340	260	60	5,725

Base 65F

\* Normal data missing, Peoria data substituted.

\*\* Seasonal total calculated from Normal and Peoria data.

# Degree days based on mean monthly temperature as opposed to daily accumulated values.

## Seasonal total calculated from values based on mean monthly temperature and daily accumulated values.

^# Seasonal total calculated from values based on mean monthly temperature from Normal and Peoria.

^^ Seasonal total calculated from values based on mean monthly temperature from Normal and Peoria, and daily accumulated values from Normal.

^^ Seasonal total calculated from daily accumulated values from Normal and Peoria, and from values based on mean monthly temperature from Normal.

M Monthly- less than 4 days missing. Seasonally- one or more months incomplete.

## HEATING DEGREE DAYS

NORMAL, IL

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	SEASONAL TOTAL
1945-1946	6	4	65	340	681	1,283	1,109	897	400	309	195	34	5,323#
1946-1947	0	6	49	173	609	920	1,068	1,181	958	414	204	27	5,609#
1947-1948	6	0	88	99	859	980	1,319	1,015	770	283	150	4	5,573
1948-1949	0	2	35	348	594	968	1,091	933	741	403	80	5	5,200
1949-1950	0	1	123	222	623	908	986	998	859	571	72	19	5,382
1950-1951	0	12	54	164M	865	1,342M	1,143	957	858	490	91	19	5,995M#
1951-1952	0	2	76	256	897	1,150M	1,072	864#	828	364	160	1M	5,670M#
1952-1953	0	2	71	443M	652	995M	1,060	820	712	488	115	1	5,359M#
1953-1954	0	1	61	190	606	997	1,109	697	860	253	225	24	5,023
1954-1955	0	1	36*	317M	689*	1,032M	1,200	947	757	159	81	38	5,257M^^
1955-1956	0	0	32	254M	815M	1,156	1,136	968	741	442M	117	24M	5,685M
1956-1957	0	4	47	115	700	968	1,359	830	784M	429	125	10	5,371M#
1957-1958	0	0	74	378	696M	886M	1,147	1,155	853	350	97	30	5,666M#
1958-1959	1	5	59	228	565	1,227	1,337	974M	744	354	75	4	5,573M#
1959-1960	1	0	44	324	873	866	1,121	1,111	1,216	317	188	28M	6,089M#
1960-1961	0M	0	21	259	631	1,174	1,229	813	684	533	206	18	5,568M
1961-1962	0	2	50	256	669	1,166	1,398	982	899	427	37	8	5,894
1962-1963	0	0	92	238	643	1,159	1,506	1,197	644	272	133	9	5,893
1963-1964	0	15	47	76	557	1,444	1,035	1,012	797	342	45	7	5,377
1964-1965	2	7	74	339	535	1,130	1,147	994	1,049	342	42	3	5,664
1965-1966	0	9	63	291	582	819	1,321	950M	709	475	251	15	5,485M
1966-1967	0	8	105	375	603	1,055	1,050	1,113	715	321	273	8	5,626
1967-1968	13	24	109	341	800	1,042	1,277	1,161	648	372	208	14	6,009
1968-1969	3	9	46	338	698	1,108	1,319	972	956	322	140	55	5,966
1969-1970	0	0	63	386	788	1,180	1,454	1,010	879	364	94	32	6,250
1970-1971	1	0	47	295M	741	994	1,337	978	862	379	193	1	5,828M
1971-1972	10	4	66	128	658	886	1,274	1,096	761	429	104	44	5,460
1972-1973	9	8	46	379	809	1,190	1,097	932	535	392	187	0	5,584
1973-1974	0	0	28	177	631	1,161	1,228	940	653	318	177	37	5,350
1974-1975	0	0	120	309	701	1,045	1,106	1,032	906	500	82	10	5,811
1975-1976	12	1	136	238	526	1,000	1,304	771	573	306	178	2	5,047
1976-1977	0	9	79	504	931	1,254	1,703	1,011	580	246	57	22	6,396
1977-1978	0	2	24	353	679	1,233	1,522	1,354	965	351	200	2	6,685
1978-1979	0	1	28	322	625	1,075	1,604	1,334	758	459	149	3	6,358
1979-1980	5	9	50	320	701	907	1,196	1,212	871	457	94	16	5,838
1980-1981	0	0	41	389	659	1,042	1,247	916	728	227	229	1	5,479
1981-1982	1	4	62	330	595	1,159	1,507	1,146	809	531	29	20	6,193
1982-1983	0	7	75	286	641	816	1,100	823	742	523	185	11	5,209
1983-1984	2	0	75	262	587	1,489	1,340	800	1,034	449	185	0	6,223
1984-1985	1	0	133	191	665	873	1,432	1,106	617	259	51	18	5,346
1985-1986	0	2	85	221	678	1,351	1,070	1,059	635	231	80	3	5,415
1986-1987	0	17	25	262	787	1,006	1,194	812	609	335	47	0	5,094
1987-1988	0	9	46	465	570	958	1,257	1,149	738	371	69	13	5,645
1988-1989	0	5	30	481	663	1,057	928	1,252	750	429	216	14	5,825
1989-1990	0	5	134*	276	707	1,461	865	807	620	426	180	14	5,495**
1990-1991	1	6	116	433	587	1,141	1,352	942	745	316	91	0	5,730
1991-1992	0	1	168	343	909	1,049	1,104	890	757	515	192	24	5,952
1992-1993	0	40	133	411	849	1,110	1,227	1,133	972	545	125	74	6,619
1993-1994	0	5	170	471	817	1,118	1,473	1,176	841	431	211	16	6,729
1994-1995	2	15	92	303	606	950							

Base 65F

\* Nonsal data missing, Peoria data substituted.

\*\* Seasonal total calculated from Normal and Peoria data.

‡ Degree days based on mean monthly temperature as opposed to daily accumulated values.

## Seasonal total calculated from values based on mean monthly temperature and daily accumulated values.

^‡ Seasonal total calculated from values based on mean monthly temperature from Normal and Peoria.

^^ Seasonal total calculated from values based on mean monthly temperature from Normal and Peoria, and daily accumulated values from Normal.

^^ Seasonal total calculated from daily accumulated values from Normal and Peoria, and from values based on mean monthly temperature from Normal.

M Monthly- less than 4 days missing. Seasonally- one or more months incomplete.

PRECIPITATION

NORMAL, IL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
1893	1.36	3.13	3.01*	8.34	5.40	0.80	1.16M	0.44*	3.02*	0.74M	1.93	1.47M	30.80M**
1894	2.32	1.93M	3.37	2.53	3.21	1.89	1.00*	2.50*	4.42*	1.45*	2.52M	1.86M	29.00M**
1895	1.26	0.39	1.66M	2.55M	1.13	1.75M	6.71	2.27*	4.28	0.61M	3.74	7.62M	33.99M**
1896	1.30*	2.55M	2.11	2.02	6.79M	3.90	6.68	4.75	5.40	0.16M	2.95M	0.53	39.14M**
1897	5.41	1.77	4.09	3.92	1.90	3.49	3.91	1.50	2.08	0.48M	5.00	2.00	35.55M
1898	4.00	1.77	5.65	2.66	7.42	4.02	4.40	1.85	6.49	4.31	2.28	1.92	46.77
1899	1.52	2.20	4.72	0.82	4.06	4.05	1.92	2.15	1.98	2.69	1.67	2.15	29.93
1900	1.23	5.94	2.60	1.85	5.40	2.49	3.38	5.39*	1.55	2.62	3.96	0.65	37.06**
1901	1.70	1.84	4.04	0.94	2.09	4.79	1.96	1.07	1.87	2.14	1.11	3.08	26.63
1902	0.90	1.75	4.45	2.43	2.07	12.45	7.97	5.81M	4.91	2.70	2.75	2.24	50.43M
1903	1.31	3.32	3.24	5.76	4.01	3.25	4.63	2.04	2.75	1.48	1.47	2.49	35.75
1904	3.71	1.35	5.28	4.45	3.20	1.40	3.89	2.95	5.65	0.52	0.19	1.53	34.12
1905	1.37	1.82	2.18	5.11	5.56	3.44	4.06	2.96	3.59	2.89	2.65	1.89	37.52
1906	2.66	1.57	2.39	2.83	2.88	3.96	1.27	4.30	4.30	1.85	3.80	3.68	35.49
1907	5.18	0.07	4.50	3.54	2.85	5.74	6.25	6.25	2.69	1.33	2.17	3.10	43.67
1908	1.20	3.80	3.12	7.78	10.17	1.53	2.10	1.17	0.45	0.50	2.48	1.47	35.77
1909	1.77	5.09	1.78	5.94	3.79	4.63	3.15	2.51	2.35	2.98	4.28	2.01	40.28
1910	1.84	1.03	0.61	3.84	5.31	1.70	2.91	0.70	5.39	1.23	0.64	1.29	26.49
1911	1.67	1.51	2.34	2.71	1.73	1.66	2.80	2.46	10.25	2.58	3.71	2.66	36.08
1912	0.77	1.60	2.42	6.36	4.29	3.19	5.25M	5.01	1.35	3.42	2.32	0.85	36.83M
1913	3.38	1.40	5.78	3.38	2.88	4.55	1.27	2.76	2.27	4.24	2.69	0.80	35.40
1914	2.13	1.59	1.20	2.66	4.99	1.70	1.05	3.29	2.36	2.09	0.25	2.26	25.57
1915	2.03	1.99	1.12	1.90	5.51	1.64	7.87	4.69	7.55	0.87	1.24	2.17	38.58
1916	6.19	0.70	2.12	1.65	8.13	4.57	0.50	2.10	2.94	4.23	1.96	2.12	37.21
1917	1.35	0.61	3.35	3.54	3.25	8.76	1.18	2.00	1.49	1.62	0.20	0.69	28.04
1918	2.50	1.85	1.08	4.81	3.14	5.01	2.79	3.77	2.61	3.07	3.25	2.46	36.34
1919	0.05	1.92	3.40	1.22	3.24	6.10	2.54	3.74	3.17	5.18	3.97	0.26	34.79
1920	0.80	0.16	7.43	7.43	2.67	0.76	1.82	1.04	3.38	1.32	1.20	2.89	30.90
1921	2.20	0.20	4.69	4.66	2.48	6.50	2.84	10.44	7.84	2.64	3.81	2.48	50.78
1922	1.59	1.32	6.54	4.82	3.98	2.63	2.88	2.93	0.98	2.52	3.53	0.76	34.48
1923	1.19	0.98	5.02	1.80	7.13	3.00	1.50	5.45	3.85	5.03	1.53	3.92	40.40
1924	1.54	1.53	2.82	1.71	3.12	7.81	3.07	12.76	3.07	2.02	0.94	3.90	44.29
1925	0.44	1.62	2.74	2.44	0.59	2.31	3.41	3.19	6.32	2.28	2.73	1.25	29.32
1926	1.90	1.67	3.26	2.78	2.37	4.76	2.21	2.73	13.50	5.80	5.50	1.32	47.80
1927	1.74	2.05	3.88	6.59	6.81	5.27	3.94	2.79	9.38	2.49	4.64	4.06	53.64
1928	0.75	2.04	1.30	2.35	2.42	5.17	3.11	2.70	3.92	3.77	3.39	2.44	33.36
1929	3.52	0.69	2.71	3.91	4.46	2.80	9.28	4.36	1.68	3.07	1.65	1.95	39.68
1930	3.55	1.76	1.21	3.91	2.02	3.62	0.51	1.49	1.93	1.66	3.27	0.29	25.22
1931	0.18	0.94	1.81	3.57	5.53	2.36	3.78	1.61	5.87	3.35	4.17	2.17	35.34
1932	2.01	0.83	1.62	1.64	1.19	3.70	2.05	4.17	2.59	4.40	1.26	3.49	28.95
1933	3.28	1.36	4.52	4.58	8.61	2.02	0.58	1.81	5.52	4.55	0.58	0.97	38.38
1934	1.29	0.62	2.09	1.13	0.43	3.74	2.89	4.70	6.97	2.10	5.16	1.64	32.76
1935	2.37	2.48	3.93	3.32	8.21	7.38	3.24	1.20	2.99	1.11	6.41	1.44	44.08
1936	1.22	2.06	1.66	1.80	5.93	0.80	1.32	4.12	9.40	2.76	3.85	2.72	37.64
1937	3.59	1.32	1.28	4.51	1.94	6.37	1.54	2.41	2.09	2.29	1.24	1.44	30.02
1938	2.78	2.09	4.46	3.96	4.34	5.95	4.16	1.86	2.61	1.70	1.33	1.78	37.02
1939	4.31	2.70	3.97	5.06	2.11	4.19	4.79	2.94	0.03	2.57	2.21	0.87	35.75
1940	1.28	1.16	2.17	3.65	4.20	2.94	1.08	4.24	0.94	1.90	2.86	1.41	27.83
1941	4.08	1.14	1.55	4.37	4.87	6.33	1.53	2.93	3.91	10.08	3.07	1.23	45.09
1942	0.61	3.18	3.83	3.24	3.98	3.69	3.42	4.06	2.96	2.34	7.37	2.29	40.97
1943	1.19	0.45	1.16	3.10	9.84	3.80	2.59	6.56	1.43	1.74	1.63	0.59	34.08
1944	0.58	2.94	4.15	8.07	2.30	1.50	2.67	3.13	3.13	1.05	1.07	1.24	31.83
1945	0.52	1.64	3.52	4.42	5.55	7.78	3.94	5.45	7.16	0.97	2.70	3.03	46.68

\* Normal data missing, Peoria data substituted.

\*\* Annual total calculated from Normal and Peoria data.

M monthly- less than 4 days missing. Annually- one or more months incomplete.

PRECIPITATION

NORMAL, IL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
1946	1.41	1.96	4.03	1.85	6.84	7.10	0.90	2.45	2.47	5.75	4.22	1.90	40.88
1947	2.41	0.24	2.47	7.72	3.45	6.64	1.16	1.18	4.21	2.92	2.03	3.68	38.11
1948	1.47	2.05	5.16	2.00	2.93	3.79	4.44	1.00	1.94	1.00	1.75	2.65	30.18
1949	5.57	1.80	2.45	2.52	2.75	5.39	5.14	1.56	1.96	3.51	0.73	6.67	40.05
1950	5.31	3.62	0.75	6.51	1.38	7.02	3.37	0.97	4.21	1.60	2.39	1.04	38.17
1951	1.51	3.98	3.61	3.45	2.81	5.35	3.37	3.51	1.11	2.22	3.24	2.01	36.17
1952	1.20	0.78	3.35	5.57	5.42	7.46	1.88	5.03	1.00	0.90	3.80	1.84	38.23
1953	1.93	1.44	5.11	2.83	2.29	5.03	6.81	1.77	1.94	1.29	0.94	3.06	34.44
1954	1.74	1.97	2.97	5.70	2.79	2.72	3.98	5.51	0.60	4.92	1.25	2.03	36.18
1955	2.90	1.82	1.67	3.05	2.72	3.07	3.32	3.14	2.39	5.53	0.75	0.57	30.93
1956	0.37	1.68	1.23	3.24	6.03	1.53	3.20	3.48	1.10	0.46	2.07	1.86	26.25
1957	2.18	1.24	1.96	9.10	4.16	3.78	3.25	1.81	0.90	4.27	2.50	3.89	39.04
1958	1.68	0.56	0.69	2.20	1.30	8.23	6.27	6.79	1.34	0.39	3.79	0.46	33.70
1959	2.67	2.81	3.82	2.48	4.74	0.20	3.18	3.75	3.72	4.23	1.81	2.21	35.62
1960	2.15	2.82	2.63	3.50	3.62	8.29	4.76	2.20	5.51	2.15	2.20	1.47	41.30
1961	0.48	1.30	3.82	3.41	4.10	2.50	6.27	3.52	13.54	1.51	2.80	1.89	45.14
1962	3.34	1.75	3.11	1.54	5.75	1.88	6.80	2.15	2.82	2.80	1.03	0.47	33.44
1963	0.96	0.91	6.15	2.14	1.20	1.12	4.00	2.84	1.97	1.22	1.93	0.93	25.37
1964	1.76	1.21	2.82	7.18	1.07	5.07	4.15	2.55	2.63	0.06	3.34	1.31	33.15
1965	7.28	1.28	3.02	6.27	5.54	1.01	4.61	6.42	9.41	1.02	1.19	4.41	51.46
1966	0.34	1.56	1.01	4.98	3.83	2.20	2.40	3.50	3.71	2.74	2.86	3.79	32.92
1967	2.09	0.76	1.34	5.11	4.31	2.86	3.72	2.39	1.99	6.52	1.47	4.42	36.98
1968	0.77	1.56	0.90	3.10	8.12	6.46	3.05	3.61	2.77	0.57	3.43	3.17	37.51
1969	3.03	0.43	1.93	3.45	1.98	3.31	4.02	2.96	3.49	6.17	1.44	1.37	33.58
1970	0.46	0.51	1.91	6.24	6.54	2.49	1.88	3.64	8.37	3.47	1.61	0.63	37.75
1971	0.96	2.45	2.07	0.74	3.38	1.11	6.11	1.29	3.96	0.94	1.71	7.40	32.12
1972	1.01	0.74	3.22	4.79	2.37	4.95	1.83	3.40	9.77	2.16	3.30	3.91	41.45
1973	1.07	0.51	7.73	5.76	3.50	7.56	6.34	0.99	2.64	3.73	1.19	3.62	44.64
1974	1.99	1.95	3.93	2.72	6.12	7.60	0.98	2.01	1.01	1.62	4.03	2.00	35.96
1975	3.40	2.37	1.39	3.69	2.35	6.05	4.08	4.66	2.49	2.73	2.56	1.84	37.61
1976	0.87	3.95	5.45	2.62	4.90	5.36	2.88	1.32	2.40	2.05	0.77	0.22	32.79
1977	0.78M	0.81	4.78	1.57	6.42	1.76	3.21	9.93	7.94	4.14	1.48	1.97	44.79M
1978	0.71	0.52	1.58	4.55	4.38	2.27	4.71	2.68	1.98	1.79	1.38	2.71	29.26
1979	2.31	0.85	4.53	6.71	1.71	1.89	5.80	2.06	0.15	1.57	2.56	1.36	31.50
1980	0.40	1.02	3.62	2.53	3.44	8.02	0.80	5.87	4.41	1.69	1.06	1.64	34.50
1981	0.36	2.04	0.74	6.34	5.25	7.42	9.54	7.99	2.06	1.76	1.61	1.31	46.42
1982	2.52	1.29	3.95	4.35	5.83	3.02	3.83	5.17	1.27	1.67	4.70	2.55M	40.15M
1983	0.47	0.85	3.16	5.58	5.32	3.12	1.50	2.19	2.71	3.05	4.72	3.11	35.78
1984	0.72	1.29	4.16	4.23	7.74	1.42	4.17	1.08	3.32	5.06	3.32	2.83	39.34
1985	1.34	4.51	4.35	1.83	3.62	4.68	5.63	4.48	2.08	4.50	9.33	2.50	48.85
1986	0.12	2.09	1.12	1.31	3.64	4.41	5.31	1.81	10.21	6.02	2.41	2.25	40.70
1987	1.84	0.28	1.47	2.44	1.09	4.16	1.32	3.04	1.13	1.38	3.22	4.78	26.15
1988	1.81	0.93	2.79	2.51	1.55	0.31	0.52	2.99	1.67	1.60	4.10	2.44	23.22
1989	0.88	1.22	1.33	3.56	3.11	1.63	5.14	2.79	2.87*	1.16	2.06	0.78	26.53**
1990	2.54	5.13	4.54	1.43	7.03	7.86	5.54	3.19	0.96	3.72	3.79	6.61	52.34
1991	1.46	0.55	2.56	2.72	6.25	1.30	1.33	1.80	1.66	7.35	3.77	2.80	33.55
1992	1.07	1.44	2.40	1.95	0.55	1.32	13.74	1.57	3.14	1.29	6.23	3.16	37.86
1993	4.83	2.20	3.53	4.96	3.34	10.11	6.89	7.38	10.99	3.95	3.72	1.45	63.35
1994	1.61	1.93	1.33	4.71	2.41	1.15	1.33	5.03	2.04	1.91	5.62	2.32	31.39

\* Normal data missing, Peoria data substituted.

\*\* Annual total calculated from Normal and Peoria data.

M monthly- less than 4 days missing. Annually- one or more months incomplete.

## SNOWFALL

NORMAL, IL

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	SEASONAL TOTAL
1892-1893							9.1	11.0	0.2*	0.0*	0.0	0.0	20.3H**
1893-1894	0.0H	0.0*	0.0*	0.0H	1.6	8.6H	9.2	8.8H	3.5	0.0	0.0	0.0	31.7H**
1894-1895	0.0*	0.0*	0.0*	0.0*	0.8H	0.0H	7.9	1.7	4.5H	7.3H	0.0	0.0H	22.2H**
1895-1896	0.0	0.0*	0.0	0.0H	10.5	2.6H	1.0*	10.3H	4.6	6.0	0.0H	0.0	35.0H**
1896-1897	0.0	0.0	0.0	0.0H	7.3H	0.0	10.8	6.5	4.7*	1.0	0.0	0.0	30.3H**
1897-1898	0.0	0.0	0.0*	0.0*	0.0*	4.0	12.0	2.0	6.0	0.0	0.0	0.0	24.0**
1898-1899	0.0	0.0	0.0*	0.3	0.0	4.0	1.5	0.0	15.0	0.0	0.0	0.0	21.3**
1899-1900	0.0	0.0	0.0*	0.0*	5.0	5.0	0.0	27.5	2.0	1.5	0.0*	0.0	41.0**
1900-1901	0.0	0.0*	0.0*	0.0*	2.7	2.1	1.8	10.6	2.4	0.0	0.0	0.0	19.6**
1901-1902	0.0	0.0	0.0	0.0	0.0	3.7	9.6	4.3	2.5	0.0	0.0	0.0	20.1
1902-1903	0.0	0.0H	0.0	0.0	1.0	3.3	9.4	10.9	1.5	1.5	0.0	0.0	27.6H
1903-1904	0.0	0.0	0.0	0.0	0.7	7.5	10.3H	4.5	4.5	0.0	0.0	0.0	27.5H
1904-1905	0.0	0.0	0.0	0.0	0.0	4.5	6.0	15.3	0.0	0.5	0.0	0.0	26.3
1905-1906	0.0	0.0	0.0	0.0	0.0	4.7	3.5	0.5	16.3	0.0	0.0	0.0	25.0
1906-1907	0.0	0.0	0.0	0.0	0.0	0.5	9.9	1.0	8.0	0.0	0.0	0.0	19.4
1907-1908	0.0	0.0	0.0	0.0	0.0	9.7	7.7	13.5	0.0	0.0	0.0	0.0	30.9
1908-1909	0.0	0.0	0.0	0.0	0.0	4.5	3.5	8.3	1.0	0.0	0.0	0.0	17.3
1909-1910	0.0	0.0	0.0	0.0	0.0	15.2	3.8	0.7	0.0	4.0	0.0	0.0	23.7
1910-1911	0.0	0.0	0.0	0.0	0.0	1.5	6.0	5.0	0.0	2.0	0.0	0.0	14.5
1911-1912	0.0	0.0	0.0	0.0	2.5	9.0	4.1	12.0	12.1	0.0	0.0	0.0H	39.7H
1912-1913	0.0	0.0	0.0	0.0	0.0	0.0	3.5	5.3	10.8	0.0	0.0	0.0	19.6
1913-1914	0.0	0.0	0.0	0.5	0.0	2.5	11.0	12.5	5.0	0.0	0.0	0.0	31.5
1914-1915	0.0	0.0	0.0	0.0	0.0	11.0	10.5	1.0	5.5	0.0	0.0	0.0	28.0
1915-1916	0.0	0.0	0.0	0.0	1.5	14.9	1.5	5.3	4.4	0.0	0.0	0.0	27.6
1916-1917	0.0	0.0	0.0	5.0	0.0	8.1	1.3	4.0	0.0	0.0	0.0	0.0	18.4
1917-1918	0.0	0.0	0.0	0.7	0.0	8.6	26.2	0.5	0.0	0.0	0.0	0.0	36.0
1918-1919	0.0	0.0	0.0	0.0	0.0	3.5	0.8	8.8	7.8	0.0	0.0	0.0	20.9
1919-1920	0.0	0.0	0.0	0.0	0.3	1.3	5.1	0.5	0.0	10.5	0.0	0.0	17.7
1920-1921	0.0	0.0	0.0	0.0	0.3	6.6	3.1	0.0	0.0	0.5	0.0	0.0	10.5
1921-1922	0.0	0.0	0.0	0.0	2.5	0.3	4.3	0.5	3.0	0.0	0.0	0.0	10.6
1922-1923	0.0	0.0	0.0	0.0	3.0	2.0	3.8	2.9	6.2	4.0	0.0	0.0	21.9
1923-1924	0.0	0.0	0.0	0.0	0.0	0.0	5.1	6.5	9.8	0.0	0.0	0.0	21.4
1924-1925	0.0	0.0	0.0	0.0	0.0	6.5	4.8	3.5	5.8	0.0	0.0	0.0	20.6
1925-1926	0.0	0.0	0.0	3.4	3.6	3.2	7.4	2.6	15.3	6.3	0.0	0.0	41.8
1926-1927	0.0	0.0	0.0	0.0	3.5	5.5	16.5	0.5	0.0	0.0	0.0	0.0	26.0
1927-1928	0.0	0.0	0.0	0.0	0.5	6.9	2.0	1.6	1.0	0.0	0.0	0.0	12.0
1928-1929	0.0	0.0	0.0	0.0	0.0	2.5	10.1H	5.0	0.0	0.0	0.0	0.0	17.6H
1929-1930	0.0	0.0	0.0	3.5	1.5	12.1	7.9	1.2	10.5	0.0	0.0	0.0	36.7
1930-1931	0.0	0.0	0.0	0.0	3.2	0.4	0.0	0.5	10.9	0.0	0.0	0.0	15.0
1931-1932	0.0	0.0	0.0	0.0	1.0	2.1	0.9	0.8	3.5	0.0	0.0	0.0	8.3
1932-1933	0.0	0.0	0.0	0.0	5.8	4.5	2.6	8.3	6.4	0.0	0.0	0.0	27.6
1933-1934	0.0	0.0	0.0	0.0	0.2	1.5	1.4	8.4	13.8	0.0	0.0	0.0	25.3
1934-1935	0.0	0.0	0.0	0.0	0.0	10.7	0.5	2.2	0.2	3.0	0.0	0.0	16.6
1935-1936	0.0	0.0	0.0	0.0	0.3	10.4	11.4	5.5	4.0	1.5	0.0	0.0	33.1
1936-1937	0.0	0.0	0.0	0.0	0.0	0.5	6.8	6.5	3.2	0.0	0.0	0.0	17.0
1937-1938	0.0	0.0	0.0	0.0	5.7	2.2	9.2	4.8	0.0	0.5	0.0	0.0	22.4
1938-1939	0.0	0.0	0.0	0.0	0.5	2.6	22.9	3.5	0.0	0.0	0.0	0.0	29.5
1939-1940	0.0	0.0	0.0	0.0	0.0	6.2	7.0	6.1	0.0	1.0	0.0	0.0	20.3
1940-1941	0.0	0.0	0.0	0.0	0.7	1.9	7.3	5.0	8.2	0.0	0.0	0.0	23.1
1941-1942	0.0	0.0	0.0	0.0	4.5	2.1	2.5	5.2	2.3	0.0	0.0	0.0	16.6
1942-1943	0.0	0.0	0.4	0.0	8.0	4.5	7.9	1.0	3.0	0.0	0.0	0.0	24.8
1943-1944	0.0	0.0	0.0	0.0	0.0	3.8	0.0	7.8	3.0	0.0	0.0	0.0	14.6
1944-1945	0.0	0.0	0.0	0.0	0.6	11.1	8.2	7.4	2.5	0.0	0.0	0.0	29.8

\* Normal data missing, Peoria data substituted.

\*\* Seasonal total calculated from Normal and Peoria data.

M Monthly- less than 4 days missing. Annually- one or more months incomplete.

Monthly amounts of a Trace, an amount too small to be measured, were not reported.



## SNOWFALL

NORMAL, IL

YEAR	SEASONAL											TOTAL	
	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		JUN
1945-1946	0.0	0.0	0.0	0.0	0.7	10.4	1.1	5.8	7.0	1.5	0.0	0.0	26.5
1946-1947	0.0	0.0	0.0	0.0	0.0	5.5	6.2	3.0	7.0	0.0	0.0	0.0	21.7
1947-1948	0.0	0.0	0.0	0.0	3.2	1.4	2.9	6.5	0.5	0.0	0.0	0.0	14.5
1948-1949	0.0	0.0	0.0	0.0	0.0	2.0	0.9	2.4	0.4	0.7	0.0	0.0	6.4
1949-1950	0.0	0.0	0.0	0.0	0.0	1.1	1.8	11.0	0.2	0.2M	0.0	0.0	14.3M
1950-1951	0.0	0.0	0.0	0.0	2.7	13.1	2.6	9.8	9.2	2.8	0.0	0.0	40.2
1951-1952	0.0	0.0	0.0	0.0	10.4	8.0M	3.0	2.5	4.0	0.0	0.0	0.0	27.9M
1952-1953	0.0	0.0	0.0	0.0	0.0	2.8	5.5M	0.5	3.8	2.0	0.0	0.0	14.6M
1953-1954	0.0	0.0	0.0	0.0	2.0	3.0	0.5	0.9	6.0	0.0	0.0	0.0	12.4
1954-1955	0.0	0.0	0.0	0.0	2.8	3.5	10.0	4.8	4.8	0.0	0.0	0.0	25.9
1955-1956	0.0	0.0	0.0	0.0	4.3	6.1	3.7	6.6	6.7	0.0	0.0	0.0	27.4
1956-1957	0.0	0.0	0.0	0.0	2.8	6.8	13.6	0.2	3.5	6.0	0.0	0.0	32.9
1957-1958	0.0	0.0	0.0	0.0	0.4	4.9	6.9	1.1	1.0	0.0	0.0	0.0	14.3
1958-1959	0.0	0.0	0.0	0.0	1.5	4.2	7.4	2.2	4.1	0.0	0.0	0.0	19.4
1959-1960	0.0	0.0	0.0	0.0	5.6	4.1	4.4	17.8	25.9	0.0	0.0	0.0	57.8
1960-1961	0.0	0.0	0.0	0.0	0.3	9.5	4.7	4.3	2.8	4.6	0.0	0.0	26.2
1961-1962	0.0	0.0	0.0	0.0	2.3	10.2	13.3	15.1	2.7	1.1	0.0	0.0	44.7
1962-1963	0.0	0.0	0.0	0.0	0.0	5.7	9.1	13.1	0.1	0.0	0.0	0.0	28.0
1963-1964	0.0	0.0	0.0	0.0	1.3	7.9	12.3	11.7	9.4	0.0	0.0	0.0	42.6
1964-1965	0.0	0.0	0.0	0.0	3.8	9.0	4.3	8.1	15.5	0.0	0.0	0.0	40.7
1965-1966	0.0	0.0	0.0	0.0	0.0	2.0	0.2	4.8	1.5	0.0	0.0	0.0	8.5
1966-1967	0.0	0.0	0.0	0.0	0.0	2.1	9.3	3.1	3.3	1.0	0.0	0.0	18.8
1967-1968	0.0	0.0	0.0	0.8	3.8	3.1	11.2	2.7	2.8	0.0	0.0	0.0	24.4
1968-1969	0.0	0.0	0.0	0.0	0.3	2.8	5.9	1.6	4.6	0.0	0.0	0.0	15.2
1969-1970	0.0	0.0	0.0	0.0	0.8	11.8	8.7	3.1	6.3	1.5	0.0	0.0	32.2
1970-1971	0.0	0.0	0.0	0.0	0.0	0.8	5.6	0.8	4.2	0.0	0.0	0.0	11.4
1971-1972	0.0	0.0	0.0	0.0	3.3	0.0	8.2	6.1	4.3	2.0	0.0	0.0	23.9
1972-1973	0.0	0.0	0.0	0.0	5.6	5.1	1.0	1.9	0.3	0.8	0.0	0.0	14.7
1973-1974	0.0	0.0	0.0	0.0	0.0	20.9	6.4	3.0	1.5	0.5	0.0	0.0	32.3
1974-1975	0.0	0.0	0.0	0.0	5.5	6.9	7.6	8.5	2.0	1.0	0.0	0.0	31.5
1975-1976	0.0	0.0	0.0	0.0	6.7	2.2	8.2	4.3	0.0	0.0	0.0	0.0	21.4
1976-1977	0.0	0.0	0.0	0.0	0.0	3.7	14.9	6.3	1.5	3.0	0.0	0.0	29.4
1977-1978	0.0	0.0	0.0	0.0	4.6	13.9	10.0	6.4	8.2	0.0	0.0	0.0	43.1
1978-1979	0.0	0.0	0.0	0.0	0.4	3.1	24.6	4.7	2.8	0.0	0.0	0.0	35.6
1979-1980	0.0	0.0	0.0	0.0	1.6	0.3	3.0	8.4	1.6	2.5	0.0	0.0	17.4
1980-1981	0.0	0.0	0.0	0.0	4.6	3.9	6.8	9.4	0.2	0.0	0.0	0.0	24.9
1981-1982	0.0	0.0	0.0	0.0	0.0	13.1	11.2	8.7	3.7	11.3	0.0	0.0	48.0
1982-1983	0.0	0.0	0.0	0.0	0.2	1.8	3.5	2.9	5.7	0.0	0.0	0.0	14.1
1983-1984	0.0	0.0	0.0	0.0	1.0	16.7	6.9	4.4	4.0	0.0	0.0	0.0	33.0
1984-1985	0.0	0.0	0.0	0.0	0.0	0.4	7.8	7.4	0.0	0.0	0.0	0.0	15.6
1985-1986	0.0	0.0	0.0	0.0	0.0	3.4	1.1	15.0	0.0	0.0	0.0	0.0	19.5
1986-1987	0.0	0.0	0.0	0.0	0.0	0.0	18.9	0.0	0.0	0.0	0.0	0.0	18.9
1987-1988	0.0	0.0	0.0	0.0	0.0	2.5	1.3M	10.8	0.6	0.0	0.0	0.0	15.2M
1988-1989	0.0	0.0	0.0	0.0	0.2	4.6	0.2	12.2	1.0	1.0	0.0	0.0	19.2
1989-1990	0.0	0.0	0.0*	1.5	0.0	7.6	1.0	2.6	0.0	0.0	0.0	0.0	12.7**
1990-1991	0.0	0.0	0.0	0.0	0.0	5.1	7.4	0.9	0.7	0.0	0.0	0.0	14.1
1991-1992	0.0	0.0	0.0	0.0	1.7	2.2	6.3	0.3	2.1M	0.0	0.0	0.0	12.6M
1992-1993	0.0	0.0	0.0	0.0	0.0	2.7M	4.5M	13.6	2.8M	0.0	0.0	0.0	23.6M
1993-1994	0.0	0.0	0.0	0.0	0.2	3.5	7.8M	9.1M	0.0	0.5	0.0	0.0	21.1M
1994-1995	0.0	0.0	0.0	0.0	0.0	0.0							

\* Normal data missing, Peoria data substituted.

\*\* Seasonal total calculated from Normal and Peoria data.

M Monthly- less than 4 days missing. Annually- one or more months incomplete.

Monthly amounts of a Trace, an amount too small to be measured, were not reported.

## COMMENTS CONCERNING WEATHER RECORDS

Earliest weather records in the Midwest generally began in the mid-1800s. The first official governmental action concerning weather observations was inaugurated under the Surgeon General of the Army in 1814, when all hospital surgeons were asked to keep a weather diary. Systematic observations began under that program in 1819. The Smithsonian Institution acquired the meteorological observing program in 1848, under the direction of James P. Espy and Joseph Henry. For the first time in the U.S., observers were provided with instruments. By 1850, 301 sites were taking routine weather observations in the country. An additional 200 were added within the next decade. In 1870, military posts were directed to regularly observe the weather, and the U.S. Weather Bureau (forerunner of the National Weather Service), became a new agency of the U.S. Signal Service in 1871 and began managing the network. In 1873, all meteorological work was directed solely by the Signal Service. In 1891 the U.S. Weather Bureau was transferred to the U.S. Dept. of Agriculture, and in 1940, again, transferred to the Dept. of Commerce, its present home. Today, daily observations of temperature and precipitation are available from about 200 sites in Illinois.

Atlantic storm warnings were first made in 1885, followed by cold wave warnings with 3 days lead the following year. Twenty-four hour hurricane observing and warning service began in 1935. Five-day forecasts were first issued in 1940, 30- and 90-day outlooks began in the 1950s, and outlooks for the coming year in January 1995.

Temperature and precipitation records are not likely homogeneous over long periods of record. For example, raingages with small catchments were preferred during the early/mid-1800s. Today, the standard raingage has a diameter of 8 inches, exhibiting a different catchment efficiency.

Daily mean temperatures are currently based on the average of the daily maximum and minimum. Maximum/minimum thermometers were not commonly available until the late 1800s, therefore prior to that time daily mean temperatures were defined as either (1) the average of the 0700, 1400 and 2100 observations (suggested by the Mannheim Meteorological Society), or the average of the 0700, 1400, and twice the 2100 temperatures, the latter more closely approximating the average of all 24 hourly readings of a day.

The Normal weather station is one of about 200 such observing sites in Illinois under the direction of the National Weather Service. Climatological data and information for these locations are available from either:

Illinois State Water Survey  
ATTN: STATE CLIMATOLOGIST  
2204 Griffith Dr.  
Champaign IL 61820  
217-333-0729

National Climatic Data Center  
Federal Building  
Asheville NC 28801  
704-271-4800

The Illinois State Water Survey has prepared climatological summaries similar to this one for the following locations.

Anna	Aurora	Bloomington-Normal
Carbondale	Champaign	Chicago Decatur
Fairfield	Freeport	Lincoln Harrisburg
Hoopeston	Moline	Mt. Vernon Ottawa
Peoria	Quincy	Rockford Springfield
Waukegan	White Hall	

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