

SWS Miscellaneous Publication 98-25
STATE OF ILLINOIS
DEPARTMENT OF NATURAL RESOURCES

Local Climatological Data Summary
Sparta, Illinois
1893 -1995

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LOCAL CLIMATOLOGICAL DATA FOR
SPARTA ILLINOIS 1893-1995

Climatological Summary:

Sparta (Randolph County) has a temperate continental climate, dominated by maritime tropical air from the Gulf of Mexico from about April through November and by air from the Pacific during the remaining months. Gulf air generally supports relative humidities of about 60% during the day and 85% at night. This is the airmass which yields a warm to hot, "muggy" environment, particularly from May through October. There are occasional, brief interruptions of drier, cooler air from the Pacific Ocean, but they typically only last a few days. The climate of southern Illinois is decidedly less wintery than that of northern Illinois, in both intensity and duration.

From November through April, the Sparta area is dominated by air from the Pacific Ocean, interrupted by several incursions of cold, dry air from the Canadian Arctic, bringing temperatures into single digits or even negative values for a few days, each such outbreak usually preceded by (perhaps heavy) snowfall. Ground frost is usually only a temporary phenomenon in Sparta, typically continuing for a few days or a week at a time during January and February.

Precipitation during winter months averages about three inches, whereas those for summer are about four inches, for an annual total of 41.67 inches. Snow and freezing precipitation are common in winter, but being in an area with temperatures often near 32F, the mix of liquid, frozen and freezing precipitation changes dramatically from year to year. Summer precipitation is in the form of showers and thunderstorms.

Snowfalls of 6 inches or more at Sparta are expected about once every other year on average. Mean annual snowfall is 17.5 inches, the greatest monthly snowfall ever in Sparta being 25.4 inches in March 1912. Snowcover seldom continues on the ground for more than a week at a time. Snowcover of two inches or more has persisted 24 days during a winter only six times since 1900. The longest snowcover of at least two inches in Sparta was 54 days during the 1977-1978 winter.

Summer day temperatures are usually in the high 80s/low 90s, with nighttime lows about 22F lower. Humidities are relatively high; comfort is often impaired. Winter highs are generally in the 40s and low 50s with lows about 20 degrees lower.

Latitude N38 07
Longitude W89 43

Climatological Summary
Means: 1961-1990 ; Extremes: 1893-1995

Sparta, IL
Elevation 535

Mon	Temperature							Degree Days						Precipitation					Snow									
	Means			Extremes				Number of Days			Heat			Cool			Growth			Greatest			Number of Days		Greatest			
	Ave Max	Ave Min	Ave Mean	High Temp	Low Temp	Date	Date	>=90	<=32	<=0	Heat	Cool	Growth	Mean Monthly	Greatest Year	Greatest Daily	Amount Date	>=0.1	>=0.5	>=1.0	Mean Monthly	Greatest Year	Greatest Snow** Depth Date					
Jan	39.7	21.9	30.8	77	19/1907*	-20	13/1912*	0	7	24	1	1,066	0	7	1.90	11.89	1916	4.12	30/1916	5	2	1	5.5	21.2	1979	13	15/1918†	
Feb	45.1	25.9	35.5	82	10/1932	-23	12/1899	0	4	20	1	833	0	17	2.59	5.68	1950	3.22	13/1946	5	2	1	5.0	19.5	1910	19	3/1982	
Mar	56.7	35.9	46.3	90	23/1910*	-6	5/1960	0	1	13	0	581	5	88	4.29	12.87	1945	5.20	25/1904	7	3	1	2.4	25.4	1912	11	9/1960†	
Apr	66.6	45.8	57.2	94	11/1930	0	0	0	0	3	0	269	33	253	3.83	11.32	1994	5.02	29/1996‡	7	3	1	0.5	10.0	1971	7	6/1971	
May	77.9	54.6	66.3	99	30/1934	28	1/1903	2	0	0	0	78	117	504	4.44	12.13	1990	3.80	7/1956	7	3	1	0.0	1.0	1929			
Jun	86.3	63.4	74.9	107	29/1931	40	16/1917	10	0	0	0	4	301	746	3.36	10.81	1915	4.53	11/1938	6	3	1						
Jul	90.2	67.5	78.8	114	26/1934*	48	4/1908*	18	0	0	0	0	429	894	4.16	13.33	1958	4.11	26/1979	6	2	1						
Aug	88.2	65.1	76.7	112	9/1930	41	15/1994	15	0	0	0	2	361	821	3.42	13.22	1923	6.29	5/1923	6	2	1						
Sep	81.4	58.2	69.8	105	5/1899*	22	30/1899	7	0	0	0	41	184	593	3.33	8.24	1926	3.13	18/1988	5	2	1						
Oct	70.5	46.8	58.7	96	2/1953	19	31/1908	1	0	2	0	236	39	293	3.07	15.07	1919	5.00	12/1893	5	2	1	0.0	3.5	1925	1	29/1925	
Nov	56.5	37.4	47.0	85	4/1924*	-4	30/1979	0	1	12	0	544	3	87	3.72	11.45	1985	4.16	19/1985	6	2	1	0.9	8.7	1980	8	26/1975	
Dec	43.5	26.9	35.2	76	3/1970	-17	20/1901	0	4	21	1	924	0	16	3.56	10.57	1982	5.35	21/1967	5	2	1	3.2	16.5	1973	10	31/1969	
Tot/Ave	67.0	45.8	56.4					53	17	95	3	4,578	1,472	4,319	41.67					70	28	12	17.5					

Means based on 1961-1990 data
Extremes based on period of record
* Records also occurred on the following dates:
Jan: High Temp 1/24/1943
Low Temp 1/18/1930
Mar: High Temp 3/24/1929
Jul: High Temp 7/14/1936
Low Temp 7/6/1972
Sep: High Temp 9/5/1925
Nov: High Temp 11/11/1989

Means based on 1961-1990 data
Extremes based on period of record
† Calendar Day
‡ Snow depth records begin 1901
§ This record only, 1996
¶ Records also occurred on following dates:
Jan: Snowdepth 1/16/1918, and 1/22,23/1918
Mar: Snowdepth 3/11/1960

Probabilities: Precipitation (in) Missing Data: 0.9%

Station: (118147) SPARTA_3_N Years: 1961 To 1990

	1%	5%	10%	25%	50%	75%	90%	95%	99%
Ja	0.11	0.28	0.43	0.83	1.51	2.49	3.67	4.52	6.42
Fe	0.49	0.84	1.08	1.59	2.32	3.26	4.29	5.00	6.51
Ma	0.83	1.40	1.81	2.67	3.92	5.51	7.26	8.45	11.02
Ap	0.74	1.26	1.62	2.39	3.50	4.92	6.47	7.54	9.82
Ma	0.91	1.51	1.93	2.81	4.07	5.67	7.42	8.62	11.17
Jn	0.66	1.11	1.43	2.10	3.07	4.31	5.66	6.59	8.58
Ju	0.59	1.11	1.50	2.37	3.69	5.44	7.41	8.78	11.75
Au	0.44	0.86	1.18	1.90	3.01	4.50	6.19	7.37	9.93
Se	0.37	0.77	1.08	1.79	2.91	4.42	6.15	7.37	10.03
Oc	0.34	0.70	0.99	1.64	2.67	4.06	5.67	6.79	9.25
No	0.42	0.87	1.21	2.00	3.24	4.92	6.84	8.18	11.13
De	0.37	0.79	1.13	1.90	3.13	4.82	6.77	8.14	11.16
An	25.48	29.54	31.87	36.05	41.10	46.61	51.97	55.36	62.09
Wi	2.00	3.10	3.83	5.32	7.41	9.97	12.73	14.59	18.53
Sp	6.34	7.81	8.68	10.29	12.29	14.55	16.79	18.24	21.16
Su	4.36	5.79	6.68	8.36	10.55	13.08	15.68	17.39	20.89
Fa	3.88	5.22	6.05	7.65	9.73	12.17	14.68	16.33	19.73

Growing Season Summary
Station: (118147) SPARTA_3_N
Years: 1961 To 1990 Missing Data: 0.9%

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	4/11	3/21	3/28	4/28	5/10	30	10/19	10/02	10/06	11/05	11/12	30
30	4/07	3/07	3/21	4/18	5/10	30	10/28	10/11	10/16	11/14	11/28	30
28	4/03	3/06	3/18	4/12	4/19	30	11/05	10/11	10/21	11/17	12/04	30
24	3/24	2/27	3/08	4/08	4/18	30	11/14	10/24	11/03	12/03	12/06	30
20	3/09	2/07	2/11	3/26	3/31	30	11/24	11/03	11/09	12/17	3/01	30
16	2/22	1/13	2/07	3/19	3/25	29	12/12	11/13	11/24	12/29	1/08	29

Base Temp	Length of Season (Days)					Longest	#yrs
	Median	Shortest	10%	90%	90%		
32	192	160	169	212	215	30	
30	207	168	188	229	255	30	
28	218	191	195	238	261	30	
24	234	213	219	261	277	30	
20	264	228	236	292	342	30	
16	290	237	270	320	343	28	

AVERAGE MAXIMUM TEMPERATURE

SPARTA, IL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVERAGE
1893	33.4	39.8	54.6	67.8	73.6	83.0	89.8	86.1	83.6	68.3	55.0	46.6	65.1
1894	44.7	42.8	62.7	68.5	74.9	88.1	88.5	89.1	79.0	70.2	53.8	47.0	67.4
1895	35.2	34.8	55.3	70.6	75.0	80.7	84.6	88.0	80.6	66.5	53.1	45.7	64.2
1896	45.0	47.0	49.5	73.9	80.7	82.9	87.2	89.4	78.9	68.1	54.7	47.8	67.1
1897	38.2	44.8	54.5	64.2	72.3	82.7	87.9	87.6	88.9	78.1	54.0	39.3	66.0
1898	44.4	45.0	55.8	62.9	76.4	87.1	86.1	86.4	84.7M	64.7	52.1	40.2	65.5M
1899	40.0	31.6	49.5	65.3	77.0M	85.5	86.9	90.0	82.5	74.9	59.5M	40.1	65.2M
1900	44.8	37.6	53.4	66.9	76.9	81.3	86.2	93.3	85.0	75.1	56.5	42.2	66.6
1901	45.4	38.4	54.0	62.9	75.6	90.8	98.2	91.0	83.0	73.3	54.3	37.0	67.0
1902	40.1	37.7	55.7	65.0	81.2	84.8	90.2	86.6	76.1	71.5	60.4	41.1	65.9
1903	41.3	42.8	59.2	67.6	76.9	79.8	91.6	87.0	83.5	70.3	52.1	40.5	66.1
1904	37.3	39.9	56.0	61.3	74.4	80.6	85.0	84.7	80.7	69.6	57.5	43.5	64.2
1905	34.0	34.0	62.3	68.4	77.1	88.9	83.2	86.5	80.5	67.9	59.0	43.5	65.4
1906	47.5	44.0	42.6	72.4	78.5	82.4	88.2	89.3	84.1	68.3	53.6	44.4	66.3
1907	47.5	45.6	64.8	58.2	70.9	82.0	91.2	88.8	82.1	69.5	54.9	46.5	66.8
1908	45.1	44.2M	62.7	69.0M	80.5M	85.1	89.7	90.2	87.4*	71.5M	60.0	50.1	69.6M**
1909	42.6	50.3	56.0	68.3	75.5	86.7	88.3	94.2	81.3	70.2M	67.3	34.4	67.9M
1910	40.9	41.5	71.0	68.4	71.1	82.3	86.4	85.3	82.0	72.6	53.9	40.5	66.3
1911	46.5	50.5	58.7	65.1	83.7	91.8	91.1	86.5	86.3	67.9	50.0	45.7	68.7
1912	29.4	37.1	45.7	69.4	79.2	81.2	90.0	86.5	83.2	73.0M	55.2	45.1*	64.6M**
1913	45.0M	39.9*	54.9M	68.0	76.3*	91.2	93.2	96.2	82.7	67.7	58.4*	46.9	68.4M**
1914	47.4	39.0	53.3	66.3	81.9	94.7	97.9	91.9	81.1	70.5	61.6	35.8	68.5
1915	38.7	47.3	47.4	75.2	76.9	82.2	86.5	80.1	83.8	74.1	62.3	43.4	66.5
1916	45.5	43.0	56.6	64.8	79.1	82.0	95.4	90.0	80.4	72.0	60.0	44.8	67.8
1917	46.2	45.0	59.5	65.8	71.2	84.0	90.5	86.1	82.1	63.8	56.3	35.3	65.5
1918	27.5	49.2	67.1	62.7	83.1	87.3	93.1	94.3	73.6	71.1	54.2	51.7	67.9
1919	48.4	47.2	58.9	68.4	71.8	86.8	91.8	89.1	85.6	72.0	54.7	41.2	68.0
1920	37.5	43.9	55.7M	62.2	73.5	85.9	89.8	85.3	82.8	75.4	53.1	46.1	65.9M
1921	47.4	50.8M	66.9	69.2	77.4	88.5	94.2	86.6	84.7	70.0	60.1	47.5	70.3M
1922	39.8	46.9	56.5	69.5M	78.5	89.9	89.8	91.8M	86.7	73.4	58.6	47.3	69.1M
1923	48.3	39.6	57.7	70.3	76.1	86.4	92.5	89.7	82.0	67.8	60.2	56.7	68.9
1924	38.2	47.9	50.5	72.6M	72.8	85.6	86.4	90.0	78.9	79.9	64.1	43.5	67.5M
1925	44.9	53.4	63.5	75.7	76.7	89.7	89.7	91.5	88.7	60.0	58.6	46.9	69.9
1926	45.8	50.9	51.8	65.5	81.1*	86.6	96.6M	89.7	82.7	70.0	51.0	42.1	67.8M**
1927	40.1	55.6	58.0	69.1	75.6	82.5	88.5	84.2	88.3	78.2	59.5	43.9	68.6
1928	44.8	47.0	57.6	64.3	79.3	79.2	90.5	88.7	81.5	74.7	55.9	48.0	67.6
1929	40.6	38.1	63.2	70.7	74.5	84.0	91.9	88.7	82.3	69.8	52.3	47.2	66.9
1930	34.3	55.9	57.9	73.2	79.6	88.8	99.2	95.6	85.1	69.1	57.7	44.5	70.1
1931	47.1	51.8	50.7	69.4	74.6	92.1	96.4	89.2	89.8	74.8	64.7	53.5	71.2
1932	50.4	56.3	51.7	71.2	81.6	89.9	95.5	91.3	82.5	71.0	52.5	44.6	69.9
1933	53.5	45.6	57.1	67.8	77.7	94.2	93.5	91.3	91.3	71.7	58.9	50.5	71.1
1934	47.8	43.3	54.3	70.0	83.2	94.3	101.4	91.8	79.7	76.1	61.6	41.1	70.4
1935	45.1	50.1	62.9	62.7	70.4	79.6	90.9	90.1	84.4	71.6	53.6	38.9	66.7
1936	35.9	37.1	64.0	65.6	83.3	92.9	99.8	99.9	85.5	70.4	55.9	48.9	69.9
1937	42.0	43.6	53.7	67.4	78.5	85.4	88.8	94.1	84.1	69.1	53.3	39.7	66.6
1938	43.2	54.6	66.9	71.2	77.4	84.5	91.8	93.9	85.9	80.4	61.5	47.0	71.5
1939	49.2	46.6	62.2	65.1	80.5	85.6	89.8	86.7	91.0	76.9	55.7	49.7	69.9
1940	27.5	42.7	55.5	67.8	75.9	87.1	92.4	89.7	87.5	79.5	54.6	50.4	67.6
1941	44.2	41.9	52.1	72.4	82.2	87.9	94.6	95.2	87.2	74.7	57.6	49.3	69.9
1942	43.5	43.5	61.5	71.8	77.3	85.2	90.3	87.0	82.1	73.6	59.9	42.3	68.2
1943	46.6	55.2	52.8	69.6	75.9	87.3	92.5	92.5	79.6	71.9	55.6	42.5	68.5
1944	47.6	52.2	55.1	67.4	80.5	90.3	93.5	90.1	83.7	76.7	55.5	38.5	69.3
1945	39.5	49.0	66.8	68.5	72.8	80.8	88.7	89.5	82.7	70.7	58.0	38.4	67.1

* Sparta data missing, Mt Vernon data substituted.

** Annual average calculated from Sparta and Mt Vernon data

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

AVERAGE MAXIMUM TEMPERATURE

SPARTA, IL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVERAGE
1946	45.4	52.9	68.5	73.3	72.7	86.8	92.4	83.4	81.9	76.9	59.9	51.5	70.5
1947	46.5	39.7	48.8	67.7	75.8	82.5	86.0	96.5	83.5	79.0	50.4	48.5	67.1
1948	36.6	44.5	57.0	73.0	76.6	87.2	88.9	89.9	84.2	70.2	58.1	48.4	67.9
1949	43.1	49.5	56.1	66.8	80.5	86.2	88.8	87.2	76.9	72.3	60.4	51.8	68.3
1950	50.6	48.1	54.7	64.2	78.0	85.5	87.5	83.6	77.3	78.0	51.0	40.7	66.6
1951	43.7	46.5	53.9	65.3	80.8	82.6	87.9	87.3	78.4	73.3	49.5	44.8	66.2
1952	49.3	52.6	56.0	68.1	79.1	96.3	93.5	89.5	85.2	71.6	57.7	45.7	70.4
1953	44.4	54.2	60.4	65.4	79.9M	94.0	93.9	93.2	91.1	76.7	60.3	48.3	71.8M
1954	44.5	57.3	55.5	77.2	74.8	91.8	97.9	94.1	89.7	70.4	58.1	44.5	71.3
1955	44.0	47.5	58.2	73.9	79.3	82.4	93.2	92.5	89.9	71.4	55.7	44.1	69.3
1956	40.8	47.7	59.2	67.7	79.8	87.1	90.0	91.1	86.3	78.8	57.6	50.2	69.7
1957	36.6	50.7	55.0	67.9	77.6	85.3	89.9	89.3	81.9	67.2	54.7	51.0	67.3
1958	40.1	36.7	47.0	67.2	78.8	84.0	86.5	88.2	81.9	73.1	61.4	40.3	65.4
1959	39.9	47.1	59.0	69.4	81.1	86.4	89.4	90.7	83.3	70.8	50.1	48.3	68.0
1960	42.1	39.4	41.3	72.3	75.3	86.1	88.3	90.2	87.3	71.3	56.9	40.2	65.9
1961	42.2	50.1	57.8	62.4	72.9	83.8	89.3	87.2	84.1	72.6	54.8	41.9	66.6
1962	37.6	49.5	50.8	65.6	86.2	86.6	91.0	91.8	78.4	73.3	55.0	42.8	67.4
1963	34.5	42.9	63.1	71.6	76.4	88.7	89.1	88.5	85.9	83.2	60.0	35.3	68.3
1964	46.3	46.5	56.4	70.8	81.7	87.5	90.9	90.9	82.6	71.1	60.7	42.7	69.0
1965	45.5	47.5	47.2	72.6	82.8	87.0	89.7	89.2	80.7	70.2	62.2	51.9	68.9
1966	35.6	42.5	57.7M	63.9	75.9	85.7	94.2	86.9	78.3	67.3	57.9	44.5	65.9M
1967	47.0	45.5	62.1M	71.3	74.2	84.5	85.6	82.9	77.9	69.3	52.3	45.4M	66.5M
1968	38.8	40.2	58.1	68.7	75.0	86.8	88.4	86.9	80.4	70.4	52.8	42.6	65.8
1969	39.5	43.4	49.7	69.0	77.0	85.2M	89.8	87.7*	79.6M	68.8	54.2	41.1	65.4M**
1970	35.5	44.7	49.8	69.8	80.3	82.5	89.1	86.7	85.1	67.7	54.4	49.5	66.3
1971	39.1	45.2	55.2	69.7	74.5	88.6	86.4	86.9	84.6	77.7	58.0	51.2	68.1
1972	42.6	46.6	58.9	67.7	78.8	86.7	87.2	86.8	82.5	65.9	48.0	40.0	66.0
1973	42.5	46.3	62.9	64.2	74.1	85.8	90.3	88.1	80.5	74.7	60.4	41.9	67.6
1974	42.9	51.3	62.0	70.6	76.8	80.9	91.6	86.5	73.9	70.4	55.7	43.0*	67.1**
1975	44.8*	41.4*	51.0	67.2	79.6	86.9	89.2	87.8	76.5	73.7	59.8M	44.0	66.8M**
1976	39.2	56.2	63.5	71.0	74.7	83.6	91.1	86.7	81.1	64.1	50.2	42.0	67.0
1977	26.8	46.4	62.2	74.5	85.0	88.0	91.8	87.3	82.8	67.9	53.5	41.5	67.3
1978	30.6	30.5	49.7	69.4	76.3	87.5	90.9	89.5	86.4	69.6	58.2	44.1	65.2
1979	27.5	35.6	55.4	65.3	76.9	87.5	90.2	86.7	81.9	72.3	55.0	47.7	65.2
1980	39.4	37.5	51.3	66.0	79.0	89.1	96.4	94.8	84.9	69.3	55.1	45.2	67.3
1981	40.9	50.9	57.6	75.6	72.0	86.7	88.8	86.4	79.6	68.2	59.3	41.3	67.3
1982	34.7	40.6	59.3	63.2	82.2	81.8	89.4	85.4	79.0	70.6	56.1	50.6	66.1
1983	39.8	49.0	54.1	60.3	74.3	86.3	94.6	96.2	83.7	70.5	58.2	30.1	66.4
1984	37.9	51.5	48.1	64.5	75.3	88.8	89.1	89.5	78.6	70.6	55.2	51.7	66.7
1985	32.3	40.1	60.5	71.0	78.7	82.2	89.5	85.1	81.2	72.1	57.3	37.5	65.6
1986	46.5	46.2	61.0	71.8	78.3	88.8	93.4	86.1	83.9	68.7	49.9	42.6	68.1
1987	39.5	49.4	61.3	70.8	86.0	90.7	90.5	91.2	83.3	66.2	60.2	45.8	69.6
1988	38.6	43.2	57.5	71.8	82.2	92.1	91.8	93.7	83.0	64.9	57.8	48.0	68.7
1989	50.9	38.2	57.1	69.5	76.2	84.1	88.6	89.3	77.9	72.9	59.6	35.1	66.6
1990	53.6	51.1	60.3	66.6	73.1	86.1	87.7	84.8	83.1	69.9	62.4	44.5	68.6
1991	34.2	50.5	61.5	70.7	81.1	88.1	89.5	90.3	82.4	72.9	51.0	47.4	68.3
1992	43.7	54.6	60.0	70.7	74.8	80.1*	89.0	85.3	79.1	71.4	52.6	43.5	67.1**
1993	41.0	39.5*	47.2*	59.7*	73.6*	81.1*	88.1*	85.8*	73.4*	64.8*	50.3	43.1	62.3**
1994	33.5	43.4	56.0	66.5	73.2	86.5	86.6	85.1	77.4	69.8	59.1	48.0	65.4
1995	37.3	45.7	58.8	67.0	71.5	83.4	87.5	91.2	78.2	72.1	51.4	41.8	65.5

* Sparta data missing, Mt Vernon data substituted.

** Annual average calculated from Sparta and Mt Vernon data

M Monthly- fewer than 4 days Missing. Annually- one or more months incomplete.

AVERAGE MINIMUM TEMPERATURE

SPARTA, IL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVERAGE
1893	14.9	21.9	33.9	47.2	52.2	62.2	67.4	60.6	58.2	45.9	33.7	28.6	43.9
1894	28.5	24.9	38.7	45.1	53.6	63.1	63.8	63.2	58.8	46.9	31.0	33.2	45.9
1895	19.5	14.5	34.9	37.5	54.8	65.1	65.2	65.6	62.0	38.4	34.5	31.3	43.6
1896	29.1	29.9	32.0	53.3	61.3	69.7	68.8	67.2	57.7	45.2	39.1	31.9	48.8
1897	24.4	29.9	38.3	47.1	50.3	64.1	69.2	63.0	59.1	49.3	37.4	28.3	46.7
1898	31.1	29.3	38.8	43.3	56.8	65.7	66.6	65.7	62.3M	46.1	33.1	22.7	46.8M
1899	23.4	12.5	30.8	46.4	51.1M	64.7	64.9	66.8	54.9	48.9	40.1M	23.3	44.0M
1900	28.0	20.0	32.3	45.2	54.3	63.2	66.6	68.3	61.7	50.2	35.6	29.0	46.2
1901	27.3	22.3	35.9	40.7	51.0	64.2	69.3	63.1	54.5	46.5	31.6	21.2	44.0
1902	23.0	16.1	37.4	42.3	58.9	62.4	65.6	63.3M	53.1	47.5	44.1	26.4	45.0M
1903	24.6	23.9	38.9	45.0	55.6	56.1	66.0	63.3	54.4	45.3	31.3	21.7	43.8
1904	18.3	21.9	35.6	38.8	53.3	61.0	63.2	60.1	58.0	44.6	32.9	24.6M	42.7M
1905	16.5	14.1	39.1	44.4	56.2	63.2	64.7	64.5	59.3	45.2	34.4	26.6	44.0
1906	28.9	21.0	29.0	47.0	53.6	61.6	61.7	65.7	62.3	45.8	33.6	30.3	45.0
1907	29.8	25.6	43.4	37.7	48.6	59.7	66.8	64.9	56.4	43.7	32.8	31.0	45.0
1908	25.3	26.7	40.3	45.2M	57.1M	62.5	65.0	64.6	57.4*	39.8M	36.3	28.8	45.8M**
1909	26.0	29.0	35.3	44.3	51.4	64.1	67.0	66.1	56.6	43.0	45.4	18.5	45.6
1910	26.0	20.0	42.9	43.6	51.7	58.3	67.0	61.8	59.5	47.0	30.6	22.7	44.3
1911	28.0	30.2	34.0	44.2	57.1	65.2	65.9	64.2	64.1	47.9	31.1	31.3	46.9
1912	12.3	20.2	27.1	46.6	56.6	58.4	68.0	64.5	57.7	46.3	35.2	22.7*	43.0**
1913	25.7M	19.2*	30.3M	44.0M	53.7*	63.3	68.0	67.1M	59.3	46.1	39.5*	33.8	45.8M**
1914	30.9	19.8	34.0	46.7	54.9	67.6	68.4	66.9	58.4	49.8	38.3	23.4	46.6
1915	22.1	34.0	29.9	49.9	54.8	61.3	65.7	61.0	60.8	47.7	40.1	27.8	46.3
1916	25.1	24.7	33.4	44.3	56.8	60.3	69.1	67.4	56.5	44.7	37.5	24.0	45.3
1917	25.7	20.7	36.3	43.9	48.3	60.6	65.4	62.4	55.4	39.2	36.5	16.8	42.6
1918	8.3	26.5	39.6M	42.8	59.1	64.6	63.8	69.5	50.9	51.1	37.3	34.6	45.7M
1919	27.6	28.3	36.9	46.0	53.6	65.9	66.6	63.7	58.6	51.4	34.9	22.3	46.3
1920	20.9	27.1	35.3	41.4	54.6	61.9	64.7	61.6	59.5	49.4	32.9	30.6	45.0
1921	31.7	33.2	43.5	46.1	55.3	66.5	68.9	65.3	64.8	44.6	38.0	30.5	49.0
1922	21.1	28.5	37.7	47.4M	56.7	64.8	65.6	64.0M	58.4	47.7	38.5	28.3	46.6M
1923	32.2	22.9	32.4	44.4	53.8	64.4	67.3	67.6	59.2	43.7	37.4	35.4M	46.7M
1924	18.2	27.4	32.5	45.9	48.5	64.0	62.6	65.7	53.6	49.2	36.4	21.5	43.8
1925	23.6	32.1	37.1	50.6	49.6	66.4	66.8	63.1	65.1	42.9	33.5	24.5	46.3
1926	25.1	31.4M	30.7	39.3	54.2*	59.5	66.3	67.5	62.5	48.2	31.0	25.5	45.1M**
1927	24.3	33.8	37.9	48.5	55.1	60.5	64.0	59.5	61.1	47.8	38.7	22.9	46.2
1928	24.8	29.4	34.3	41.2	53.0	59.5	67.4	66.7	51.6	49.8	37.5	28.4	45.3
1929	19.2	19.2	39.6	47.7	51.9	60.1	67.1	61.8	56.2	46.5	32.0	28.3	44.1
1930	17.0	34.3	32.5	48.2	53.8	60.6	67.7	66.0	61.3	45.9	36.8	28.2	46.0
1931	27.8	32.4	33.0	45.3	51.0	65.3	68.2	65.5	64.5	51.6	45.9	36.9	49.0
1932	32.7	34.7	29.9	46.4	54.3	65.4	68.3	66.2	57.1	46.0	30.7	26.0	46.5
1933	33.5	24.9	35.0	45.4	58.3	65.7	68.0	63.7	65.3	46.2	35.6	30.5	47.7
1934	28.9	21.4	31.0	45.0	55.5	67.5	70.9	67.6	56.6	48.3	39.8	26.4	46.6
1935	27.0	30.3	42.8	43.5	53.0	60.8	69.7	67.2	56.1	48.1	35.8	22.6	46.4
1936	18.2	17.6	40.2	41.0	56.5	62.4	71.5	70.9	63.8	47.8	31.3	30.2	46.0
1937	24.6	26.4	31.7	45.3	55.4	64.1	65.5	68.2	56.3	46.0	31.9	26.3	45.1
1938	25.5	35.6	42.8	48.0	55.2	63.0	68.1	69.1	60.2	49.0	36.1	28.2	48.4
1939	31.5	25.6	37.5	43.3	56.4	64.9	67.8	64.2	61.9	47.9	33.2	28.4	46.9
1940	9.5	27.9	33.9	43.6	51.1	62.8	64.6	65.8	54.9	49.1	34.0	31.8	44.1
1941	28.1	24.6	30.1	48.3	55.8	63.6	67.4	66.8	60.4	53.8	36.0	32.8	47.3
1942	23.5	27.1	38.1	48.0	55.4	65.3	67.7	64.0	57.3	48.2	40.5	26.2	46.8
1943	24.8	27.7	30.0	44.1	55.7	66.6	68.1	69.1	55.1	46.8	32.9	24.6	45.5
1944	27.5	30.6	32.9	44.8	58.9	65.6	63.5	64.2	58.6	45.7	40.2	23.2	46.3
1945	22.7	27.9	43.6	47.9	51.7	62.3	64.1	65.4	61.6	46.2	38.8	22.1	46.2

* Sparta data missing, Mt Vernon data substituted

** Annual average calculated from Sparta and Mt Vernon data.

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

AVERAGE MINIMUM TEMPERATURE

SPARTA, IL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVERAGE
1946	26.0	30.7	46.5	48.6	53.7	64.6	67.1	64.4	58.4	49.1	39.1	32.5	48.4
1947	29.1	21.4	28.6	46.0	51.9	63.7	64.4	72.0	59.4	53.5	34.5	29.7	46.2
1948	17.6	26.4	35.8	48.7	53.0	63.2	67.2	63.7	58.3	41.8	37.2	30.0	45.2
1949	27.3	28.0	34.1	44.1	55.7	65.7	69.6	63.6	51.4	49.9	35.9	30.6	46.3
1950	30.1	28.7	32.1	42.4	57.1	63.1	62.9	61.9	58.2	51.5	30.5	21.6	45.0
1951	25.9	28.0	33.8	42.8	54.4	63.5	67.7	64.6	55.2	48.4	30.8	27.3	45.2
1952	29.7	32.7	34.3	45.2	54.5	69.0	67.0	64.0	54.1	39.0	36.8	30.7	46.4
1953	30.2	32.7	40.0	45.0	57.4	69.1	68.5	64.4	57.5	48.4	36.5	27.8	48.1
1954	24.8	34.3	33.5	51.4	50.6	67.0	70.7	69.2	61.4	49.5	37.2	30.4	48.3
1955	26.5	28.1	36.5	51.9	58.1	59.5	71.1	66.8	59.4	48.3	33.0	25.4	47.1
1956	22.4	32.0	35.3	44.0	57.2	63.9	67.4	67.1	56.2	49.9	36.1	34.3	47.2
1957	21.7	32.8	35.5	49.5	56.1	65.2	67.9	66.3	56.6	42.9	36.0	33.2	47.0
1958	24.8	16.9	31.7	46.5	54.3	61.1	67.7	66.7	59.2	46.2	38.8	23.2	44.8
1959	20.6	28.0	35.9	46.1	59.8	63.4	65.3	69.0	59.1	47.2	30.3	33.8	46.5
1960	28.5	25.1	23.0	47.7	51.8	63.1	65.1	66.8	61.1	48.9	36.2	24.6	45.2
1961	20.5	29.7	39.4	41.4	49.5	60.9	66.3	64.5	60.4	48.8	37.4	26.9	45.5
1962	19.1	29.8	32.9	43.2	62.4	63.9	66.8	63.9	56.7	52.0	35.6	23.5	45.8
1963	15.5	20.7	39.6	47.8	54.2	64.3	66.6	64.1	56.9	53.4	38.8	16.6	44.9
1964	26.6	26.6	34.5	49.7	58.5	65.3	67.1	64.0	57.7	41.6	38.2	26.7	46.4
1965	25.5	24.7	27.2	49.0	59.4	63.8	64.6	63.4	59.0	44.2	39.6	33.4	46.2
1966	18.4	24.6	36.1M	43.0	50.7	60.0	68.8	61.5	54.9	42.3	37.4	27.8	43.8M
1967	26.5	22.2	39.7M	48.7	52.0	63.4	63.5	59.5	53.4	46.1	33.5	28.0M	44.7M
1968	21.5	21.6	35.0M	43.5	50.4	63.5	66.0	67.3	55.8	45.2M	37.7	25.6	44.4M
1969	22.5	28.8	27.3	44.7	53.1	62.3	68.8	62.6*	56.9	45.0	32.7	25.5	44.2**
1970	15.5	24.4	33.1	46.4	56.7	62.2	64.6	66.5	62.3	47.4	35.4	30.5	45.4
1971	20.3	26.0	31.8	42.7	50.5	66.5	64.7	63.3	61.7	52.8	36.8	35.7	46.1
1972	22.2	25.8	35.0	45.0	54.3	60.1	65.7	64.5	61.7	46.4	35.3	26.0	45.2
1973	26.1	26.8	43.4	46.6	52.7	64.6	69.2	66.6	63.0	52.5	41.2	27.1	48.3
1974	26.1	29.0	39.7	48.3	57.4	60.3	68.7	65.7	53.7	46.3	37.8	28.4*	46.8**
1975	26.0*	26.5*	32.4	44.1	57.5	64.7	65.9	67.3	55.5	48.8	40.3	30.3	46.6**
1976	21.9	35.0	40.7	46.5	50.0	62.1	66.2	61.7	55.1	41.5	27.7	21.2	44.1
1977	8.4	26.0	40.7	49.9	59.4	64.6	70.2	67.0	62.2	45.3	39.6	24.7	46.5
1978	14.1	15.6	31.3	47.5	54.0	63.5	68.6	65.9	60.7	44.2	40.1	27.6	44.4
1979	12.2	16.8	35.8	44.6	52.5	63.7	67.3	66.4	55.9	47.4	35.1	29.3	43.9
1980	25.3	21.4	32.5	43.5	54.5	62.8	71.4	70.5	60.6	44.4	36.3	28.4	46.0
1981	22.5	27.8	35.5	52.6	50.8	66.9	69.4	65.6	56.9	46.5	40.4	26.2	46.8
1982	16.5	21.5	37.5	41.3	58.9	60.3	68.6	64.2	57.2	47.2	38.7	35.9	45.7
1983	26.9	30.6	36.8	42.0	53.0	62.0	70.1	69.8	58.6	49.0	40.5	16.4	46.3
1984	20.5	31.5	31.3	44.7	51.9	66.6	64.5	65.9	56.5	53.2	35.8	33.6	46.3
1985	15.7	22.2	40.6	49.3	55.8	62.0	66.7	65.6	57.4	51.3	39.8	19.9	45.5
1986	24.7	30.0	38.0	48.5	57.9	67.2	70.9	61.5	62.2	48.3	35.4	28.0	47.7
1987	25.2	30.9	38.1	44.2	60.2	66.2	68.3	68.3	58.0	41.9	40.8	32.9	47.9
1988	23.1	23.8	35.9	43.5	54.2	61.8	67.8	67.9	57.8	39.5	36.9	27.9	45.0
1989	32.7	23.0	36.0	46.5	52.3	63.6	68.6	65.1	56.0	48.2	35.4	13.9	45.1
1990	32.4	33.0	39.3	43.9	53.9	64.4	67.7	63.5	60.1	44.2	41.5	26.9	47.6
1991	23.4	30.1	38.5	49.9	58.0	67.4	67.3	67.2	60.1	48.9	33.8	31.1	48.0
1992	28.6	32.2	37.1	44.0	51.8	59.0*	66.0	59.9	56.7	44.7	39.2	25.1	45.4**
1993	22.6	19.5*	30.4*	41.3*	53.5*	62.7*	71.1*	66.5*	54.3*	40.7*	32.0	28.4	43.6**
1994	17.2	23.1	31.1	43.0	47.2	64.0	64.0	59.1	52.3	43.8	39.2	30.1	42.8
1995	22.0	22.6	33.9	41.2	52.0	61.0	65.7	68.3	51.5	42.5	28.7	22.3	42.6

* Sparta data missing, Mt Vernon data substituted

** Annual average calculated from Sparta and Mt Vernon data.

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

AVERAGE TEMPERATURE

SPARTA, IL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVERAGE
1893	24.2	30.9	44.3	57.5	62.9	72.6	77.6	73.4	70.9	57.1	44.4	37.6	54.5
1894	36.6	33.9	50.7	56.8	64.2	78.6	76.1	76.2	68.9	58.6	42.4	40.1	56.9
1895	27.4	24.7	45.1	54.1	64.9	75.4	74.9	76.8	71.3	52.5	43.8	38.5	54.1
1896	37.1	38.4	40.8	63.6	71.0	73.8	78.0	78.3	68.3	56.6	46.9	39.9	57.7
1897	31.3	37.4	46.4	55.7	61.3	73.4	78.6	75.3	74.0	63.7	45.7	33.8	56.4
1898	37.8	37.4	47.3	53.1	66.6	76.4	76.4	76.0	73.5M	55.4	42.6	31.4	56.2M
1899	31.7	22.0	40.2	55.8	67.0M	75.1	75.0	78.4	68.7	61.9	49.8M	31.7	54.8M
1900	36.4	28.8	42.8	56.0	65.6	72.2	76.4	80.8	73.4	62.8	46.0	35.6	56.4
1901	36.4	30.4	45.0	51.8	63.3	77.5	83.8	77.1	68.8	59.9	43.0	29.1	55.5
1902	31.6	26.9	46.6	53.7	70.1	73.6	77.9	75.0M	64.6	59.5	52.3	33.8	55.5M
1903	33.0	33.4	49.1	56.3	66.3	68.0	78.8	75.2	69.0	57.8	41.7	31.1	55.0
1904	27.8	30.9	45.8	50.1	63.9	70.8	74.1	72.4	69.4	57.1	45.2	34.1M	53.5M
1905	25.3	24.1	50.7	56.4	66.7	76.1	74.0	75.5	69.9	56.6	46.7	35.1	54.8
1906	38.2	32.5	35.8	59.7	66.1	72.0	75.0	77.5	73.2	57.1	43.6	37.4	55.7
1907	38.7	35.6	54.1	48.0	59.8	70.9	79.0	76.9	69.3	56.6	43.9	38.8	56.0
1908	35.2	35.5M	51.5	57.1M	68.8M	73.8	77.4	77.4	72.4*	55.7M	48.2	39.5	57.7M**
1909	34.3	39.7	45.7	56.3	63.5	75.4	77.7	80.2	69.0	56.6M	56.4	26.4	56.8M
1910	33.5	30.8	57.0	56.0	61.4	70.3	76.7	73.6	70.8	59.8	42.3	31.6	55.3
1911	37.3	40.4	46.4	54.7	70.4	78.5	78.5	75.4	75.2	57.9	40.6	38.5	57.8
1912	20.9	28.7	36.4	58.0	67.9	69.8	79.0	75.5	70.5	59.7M	45.2	33.9*	53.8M**
1913	35.4M	29.6*	42.6M	56.0M	65.0*	77.3	80.6	81.7M	71.0	56.9	49.0*	40.4	57.1M**
1914	39.2	29.4	43.7	56.5	68.4	81.2	83.2	79.4	69.8	60.2	50.0	29.6	57.6
1915	30.4	40.7	38.7	62.6	65.9	71.8	76.1	70.6	72.3	60.9	51.2	35.6	56.4
1916	35.3	33.9	45.0	54.6	68.0	71.2	82.3	78.7	68.5	58.4	48.8	34.4	56.6
1917	36.0	32.9	47.9	54.9	59.8	72.3	78.0	74.3	68.8	51.5	46.4	26.1	54.1
1918	17.9	37.9	53.4M	52.8	71.1	76.0	78.5	81.9	62.3	61.1	45.8	43.2	56.8M
1919	38.0	37.8	47.9	57.2	62.7	76.4	79.2	76.4	72.1	61.7	44.8	31.8	57.2
1920	29.2	35.5	45.5M	51.8	64.1	73.9	77.3	73.5	71.2	62.4	43.0	38.4	55.5M
1921	39.6	42.0M	55.2	57.7	66.4	77.5	81.6	76.0	74.8	57.3	49.1	39.0	59.7M
1922	30.5	37.7	47.1	58.5M	67.6	77.4	77.7	77.9M	72.6	60.6	48.6	37.8	57.8M
1923	40.3	31.3	45.1	57.4	65.0	75.4	79.9	78.7	70.6	55.8	48.8	46.1M	57.9M
1924	28.2	37.7	41.5	59.3M	60.7	74.8	74.5	77.9	66.3	64.6	50.3	32.5	55.7M
1925	34.3	42.8	50.3	63.2	63.2	78.1	78.3	77.3	76.9	51.5	46.1	35.7	58.1
1926	35.5	41.2M	41.3	52.4	67.6*	73.1	81.5M	78.6	72.6	59.1	41.0	33.8	56.5M**
1927	32.2	44.7	48.0	58.8	65.4	71.5	76.3	71.9	74.7	63.0	49.1	33.4	57.4
1928	34.8	38.2	46.0	52.8	66.2	69.4	79.0	77.7	66.6	62.3	46.7	38.2	56.5
1929	29.9	28.7	51.4	59.2	63.2	72.1	79.5	75.3	69.3	58.2	42.2	37.8	55.6
1930	25.7	45.1	45.2	60.7	66.7	74.7	83.5	80.8	73.2	57.5	47.3	36.4	58.1
1931	37.5	42.1	41.9	57.4	62.8	78.7	82.3	77.4	77.2	63.2	55.3	45.2	60.1
1932	41.6	45.5	40.8	58.8	68.0	77.7	81.9	78.8	69.8	58.5	41.6	35.3	58.2
1933	43.5	35.3	46.1	56.6	68.0	80.0	80.8	77.5	78.3	59.0	47.3	40.5	59.4
1934	38.4	32.4	42.7	57.5	69.4	80.9	86.2	79.7	68.2	62.2	50.7	33.8	58.5
1935	36.1	40.2	52.9	53.1	61.7	70.2	80.3	78.7	70.3	59.9	44.7	30.8	56.6
1936	27.1	27.4	52.1	53.3	69.9	77.7	85.7	85.4	74.7	59.1	43.6	39.6	58.0
1937	33.3	35.0	42.7	56.4	67.0	74.8	77.2	81.2	70.2	57.6	42.6	33.0	55.9
1938	34.4	45.1	54.9	59.6	66.3	73.8	80.0	81.5	73.1	64.7	48.8	37.6	60.0
1939	40.4	36.1	49.9	54.2	68.5	75.3	78.8	75.5	76.5	62.4	44.5	39.1	58.4
1940	18.5	35.3	44.7	55.7	63.5	75.0	78.5	77.8	71.2	64.3	44.3	41.1	55.8
1941	36.2	33.3	41.1	60.4	69.0	75.8	81.0	81.0	73.8	64.3	46.8	41.1	58.7
1942	33.5	35.3	49.8	59.9	66.4	75.3	79.0	75.5	69.7	60.9	50.2	34.3	57.5
1943	35.7	41.5	41.4	56.9	65.8	77.0	80.3	80.8	67.4	59.4	44.3	33.5	57.0
1944	37.6	41.4	44.0	56.1	69.7	78.0	78.5	77.2	71.2	61.2	47.9	30.9	57.8
1945	31.1	38.5	55.2	58.2	62.3	71.6	76.4	77.5	72.2	58.5	48.4	30.3	56.7

* Sparta data missing, Mt Vernon data substituted

** Annual average calculated from Sparta and Mt Vernon data

M Monthly- fewer than *i* days missing. Annually- one or more months incomplete.

AVERAGE TEMPERATURE

SPARTA, IL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVERAGE
1946	35.7	41.8	57.5	61.0	63.2	75.7	79.8	73.9	70.2	63.0	49.5	42.0	59.4
1947	37.8	30.6	38.7	56.9	63.9	73.1	75.2	84.3	71.5	66.3	42.5	39.1	56.7
1948	27.1	35.5	46.4	60.9	64.8	75.2	78.1	76.8	71.3	56.0	47.7	39.2	56.6
1949	35.2	38.8	45.1	55.5	68.1	76.0	79.2	75.4	64.2	61.1	48.2	41.2	57.3
1950	40.4	38.4	43.4	53.3	67.6	74.3	75.2	72.8	67.8	64.8	40.8	31.2	55.8
1951	34.8	37.3	43.9	54.1	67.6	73.1	77.8	76.0	66.8	60.9	40.2	36.1	55.7
1952	39.5	42.7	45.2	56.7	66.8	82.7	80.3	76.8	69.7	55.3	47.3	38.2	58.4
1953	37.3	43.5	50.2	55.2	68.7M	81.6	81.2	78.8	74.3	62.6	48.4	38.1	60.0M
1954	34.7	45.8	44.5	64.3	62.7	79.4	84.3	81.7	75.6	60.0	47.7	37.5	59.9
1955	35.3	37.8	47.4	62.9	68.7	71.0	82.2	79.7	74.7	59.9	44.4	34.8	58.2
1956	31.6	39.9	47.3	55.9	68.5	75.5	78.7	79.1	71.3	64.4	46.9	42.3	58.5
1957	29.2	41.8	45.3	58.7	66.9	75.3	78.9	77.8	69.3	55.1	45.4	42.1	57.2
1958	32.5	26.8	39.4	56.9	66.6	72.6	77.1	77.5	70.6	59.7	50.1	31.8	55.1
1959	30.3	37.6	47.5	57.8	70.5	74.9	77.4	79.9	71.2	59.0	40.2	41.1	57.3
1960	35.3	32.3	32.2	60.0	63.6	74.6	76.7	78.5	74.2	60.1	46.6	32.4	55.5
1961	31.4	39.9	48.6	51.9	63.2	72.4	77.8	75.9	72.3	60.7	46.1	34.4	56.1
1962	28.4	39.7	41.9	54.4	74.3	75.3	78.9	77.9	67.6	62.7	45.3	33.2	56.6
1963	25.0	31.8	51.4	59.7	65.3	76.5	77.9	76.3	71.4	68.3	49.4	26.0	56.6
1964	36.5	36.6	45.5	60.3	70.1	76.4	79.0	77.5	70.2	56.4	49.5	34.7	57.7
1965	35.5	36.1	37.2	60.8	71.1	75.4	77.2	76.3	69.9	57.2	50.9	42.7	57.5
1966	27.0	33.6	46.9M	53.5	63.3	72.9	81.5	74.2	66.6	54.8	47.7	36.2	54.9M
1967	36.8	33.9	50.9M	60.0	63.1	74.0	74.6	71.2	65.7	57.7	42.9	36.7M	55.6M
1968	30.2	30.9	46.6M	56.1	62.7	75.2	77.2	77.1	68.1	57.8M	45.3	34.1	55.1M
1969	31.0	36.1	38.5	56.9	65.1	73.8M	79.3	75.2*	68.3M	56.9	43.5	33.3	54.8M**
1970	25.5	34.6	41.5	58.1	68.5	72.4	76.9	76.6	73.7	57.6	44.9	40.0	55.9
1971	29.7	35.6	43.5	56.2	62.5	77.6	75.6	75.1	73.2	65.3	47.4	43.5	57.1
1972	32.4	36.2	47.0	56.4	66.6	73.4	76.5	75.7	72.1	56.2	41.7	33.0	55.6
1973	34.3	36.6	53.2	55.4	63.4	75.2	79.8	77.4	71.8	63.6	50.8	34.5	58.0
1974	34.5	40.2	50.9	59.5	67.1	70.6	80.2	76.1	63.8	58.4	46.8	35.7*	57.0**
1975	35.4*	33.9*	41.7	55.7	68.6	75.8	77.6	77.6	66.0	61.3	50.1M	37.2	56.7M**
1976	30.6	45.6	52.1	58.8	62.4	72.9	78.7	74.2	68.1	52.8	39.0	31.6	55.6
1977	17.6	36.2	51.5	62.2	72.2	76.3	81.0	77.2	72.5	56.6	46.6	33.1	56.9
1978	22.4	23.1	40.5	58.5	65.2	75.5	79.8	77.7	73.6	56.9	49.2	35.9	54.9
1979	19.9	26.2	45.6	55.0	64.7	75.6	78.8	76.6	68.9	59.9	45.1	38.5	54.6
1980	32.4	29.5	41.9	54.8	66.8	76.0	83.9	82.7	72.8	56.9	45.7	36.8	56.7
1981	31.7	39.4	46.6	64.1	61.4	76.8	79.1	76.0	68.3	57.4	49.9	33.8	57.0
1982	25.6	31.1	48.4	52.3	70.6	71.1	79.0	74.8	68.1	58.9	47.4	43.3	55.9
1983	33.4	39.8	45.5	51.2	63.7	74.2	82.4	83.0	71.2	59.8	49.4	23.3	56.4
1984	29.2	41.5	39.7	54.6	63.6	77.7	76.8	77.7	67.6	61.9	45.5	42.7	56.5
1985	24.0	31.2	50.6	60.2	67.3	72.1	78.1	75.4	69.3	61.7	48.6	28.7	55.6
1986	35.6	38.2	49.5	60.2	68.1	78.0	82.2	73.8	73.1	58.5	42.7	35.3	57.9
1987	32.4	40.2	49.7	57.5	73.1	78.5	79.4	79.8	70.7	54.1	56.5	39.4	59.3
1988	30.9	33.5	46.7	57.7	68.2	77.0	79.8	80.8	70.4	52.2	47.4	38.0	56.9
1989	41.8	30.6	46.6	58.0	64.3	73.9	78.6	77.2	67.0	60.6	47.5	24.5	55.9
1990	43.0	42.1	49.8	55.3	63.5	75.3	77.7	74.2	71.6	57.3	52.0	35.7	58.1
1991	28.8	40.3	50.0	60.3	69.6	77.8	78.4	78.8	71.3	60.9	42.4	39.3	58.2
1992	36.2	43.4	48.6	57.4	63.3	69.6*	77.5	72.6	67.9	58.1	45.9	34.3	56.2**
1993	31.8	29.5*	38.8*	50.5*	63.6*	71.9*	79.6*	76.2*	63.9*	52.8*	41.2	35.8	53.0**
1994	25.4	33.3	43.6	54.8	60.2	75.3	75.3	72.1	64.9	56.8	49.2	39.1	54.2
1995	29.7	34.2	46.4	54.1	61.8	72.2	76.6	79.8	64.9	57.3	40.1	32.1	54.1

* Sparta data missing, Mt Vernon data substituted

** Annual average calculated from Sparta and Mt Vernon data

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

COOLING DEGREE DAYS

SPARTA, IL

YEAR	ANNUAL TOTAL												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1893	0†	0†	0†	0†	66†	228†	391†	260†	194†	0†	0†	0†	1,139†
1894	0†	0†	0†	0†	87†	408†	344†	347†	162†	0†	0†	0†	1,348†
1895	0†	0†	0†	0†	98†	312†	307†	366†	189†	0†	0†	0†	1,272†
1896	0†	0†	0†	78†	199†	264†	403†	417†	152†	0†	0†	0†	1,513†
1897	0†	0†	0†	0†	39†	252†	422†	319†	270†	79†	0†	0†	1,381†
1898	0†	0†	0†	0†	126†	342†	353†	341†	255M†	0†	0†	0†	1,417M†
1899	0†	0†	0†	0†	133M†	303†	310†	415†	158†	49†	0M†	0†	1,368M†
1900	0†	0†	0†	0†	110†	216†	353†	490†	252†	64†	0†	0†	1,485†
1901	0	0	0	9	77	387	588	377	174	36	0	0	1,648
1902	0	0	0	15	195	265	407	301	72	15	5	0	1,275
1903	0	0	8	20	122	121	435	324	177	42	2	0	1,251
1904	0	0	3	2	52	187	289	236	166	26	0	0	961
1905	0	0	4	20	98	335	285	332	162	29	0	0	1,265
1906	0	0	0	39	131	222	314	397	260	11	0	0	1,374
1907	0	0	46	0	45	205	440	375	179	20	0	0	1,310
1908	0	0M	6	20M	175M	272	389	391	266*	32M	0	0	1,551M**
1909	1	0	0	30	67	320	400	475	185	30M	8	0	1,516M
1910	0	0	52	23	46	198	370	276	195	59	0	0	1,219
1911	0	0	0	1	259	414	427	335	315	50	4	0	1,805
1912	0	0	0	8	162	165	442	342	243	42M	0	0*	1,404M**
1913	0M	0*	0M	16M	95*	396	492	506M	236	50	2*	0	1,793M**
1914	0	0	0	51	175	492	571	455	176	45	8	0	1,973
1915	0	0	0	91	103	214	353	194	261	23	23	0	1,262
1916	0	0	2	15	163	194	541	430	184	30	9	0	1,568
1917	0	0	5	25	56	250	408	301	157	19	0	0	1,221
1918	0	0	10M	6	239	336	426	531	41	30	0	0	1,619M
1919	0	0	0	26	72	349	449	363	235	74	0	0	1,568
1920	0	0	0M	2	93	275	387	274	213	75	0	0	1,319M
1921	0	0M	24	28	162	384	520	347	306	7	0	0	1,778M
1922	0	0	0	33M	114	376	404	393M	252	55	1	0	1,628M
1923	0	0	0	24	86	323	471	432	203	13	0	0M	1,552M
1924	0	0	0	42M	31	307	304	407	98	97	11	0	1,297M
1925	0	0	5	92	93	401	418	386	369	29	0	0	1,793
1926	0	0M	1	4	145*	255	470M	429	281	52	0	0	1,637M**
1927	0	0	0	36	93	209	357	228	336	73	3	0	1,335
1928	0	0	1	3	97	159	439	402	135	101	0	0	1,337
1929	0	0	22	37	119	234	459	324	171	6	0	1	1,373
1930	0	3	0	67	113	306	482	498	261	59	1	0	1,790
1931	0	0	0	29	85	425	542	390	384	91	20	0	1,966
1932	0	6	0	39	143	388	530	433	174	25	0	0	1,738
1933	0	0	6	18	152	462	496	393	408	29	6	0	1,970
1934	0	0	0	26	176	483	663	466	144	47	0	0	2,005
1935	0	0	13	18	50	177	481	436	196	52	0	0	1,423
1936	0	0	0	32	191	386	650	637	319	42	2	0	2,259
1937	0	0	0	28	126	301	386	507	213	47	0	0	1,608
1938	0	2	10	58	117	270	471	522	279	96	10	0	1,835
1939	0	0	14	15	164	314	435	332	359	103	0	0	1,736
1940	0	0	1	39	66	304	425	402	239	95	0	0	1,571
1941	0	0	0	46	172	332	504	504	289	101	0	0	1,948
1942	0	0	4	52	100	328	443	334	242	42	12	0	1,557
1943	0	0	3	18	89	371	485	495	127	33	0	0	1,621
1944	0	0	3	13	230	403	427	388	198	66	7	0	1,735
1945	0	0	22	13	64	226	363	395	248	12	10	0	1,353

Base 65F

* Sparta data missing, Mt Vernon data substituted.

** Annual total calculated from Sparta and Mt Vernon data

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

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

COOLING DEGREE DAYS

SPARTA, IL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
1946	0	0	13	51	42	342	463	287	179	58	2	0	1,437
1947	0	0	0	18	74	255	326	600	255	121	0	0	1,649
1948	0	0	15	65	59	315	411	377	218	2	0	3	1,465
1949	0	0	0	11	134	337	447	331	73	53	1	0	1,387
1950	4	0	2	16	128	290	324	253	126	91	8	0	1,242
1951	0	0	2	42	135	254	404	350	101	58	0	0	1,346
1952	3	0	0	30	129	538	477	369	173	31	7	0	1,757
1953	0	0	0	30	177M	506	508	437	304	95	0	0	2,057M
1954	0	2	2	102	84	445	606	525	338	104	0	0	2,208
1955	0	0	5	50	141	203	538	462	307	35	10	0	1,751
1956	0	0	6	36	177	330	433	444	221	66	4	0	1,717
1957	0	0	0	78	120	314	439	405	163	7	0	0	1,526
1958	0	0	0	10	118	239	385	393	207	44	8	0	1,404
1959	0	0	5	29	224	307	392	467	216	41	0	0	1,681
1960	0	0	2	59	92	296	369	427	287	33	0	0	1,565
1961	0	0	0	14	39	238	406	343	259	48	8	0	1,355
1962	0	0	0	34	301	313	437	407	138	89	0	0	1,719
1963	0	0	10	58	106	355	408	359	210	165	0	0	1,671
1964	0	0	0	35	194	353	443	397	200	7	6	0	1,635
1965	0	0	0	81	204	319	385	364	187	22	0	0	1,562
1966	0	0	4M	3	79	248	520	294	115	6	5	0	1,274M
1967	0	0	18M	63	78	285	305	211	100	37	0	0M	1,097M
1968	0	0	8M	4	48	318	386	383	115	45M	3	0	1,310M
1969	0	0	0	3	82	285M	454	322*	145M	48	0	0	1,339M**
1970	0	0	0	37	161	236	379	368	283	11	0	2	1,477
1971	0	0	0	30	33	383	334	321	278	71	7	0	1,457
1972	0	0	5	29	116	269	365	339	244	15	0	0	1,382
1973	0	0	0	16	43	314	463	393	226	86	3	0	1,544
1974	0	0	24	46	133	180	479	350	81	22	6	0*	1,321**
1975	0*	0*	2	27	149	333	395	396	137	64	11M	0	1,514M**
1976	0	1	8	48	49	245	432	293	119	30	0	0	1,225
1977	0	0	4	78	260	348	505	383	240	12	0	0	1,830
1978	0	0	4	30	144	326	463	400	274	18	5	0	1,664
1979	0	0	1	10	94	323	435	371	157	55	0	0	1,446
1980	0	0	0	21	121	338	595	555	261	43	3	0	1,937
1981	0	0	6	86	50	363	446	350	143	26	1	0	1,471
1982	0	0	6	4	192	191	443	310	144	56	6	5	1,357
1983	0	0	4	6	59	288	548	564	252	30	0	0	1,751
1984	0	0	0	21	74	390	372	403	179	53	0	0	1,492
1985	0	0	10	49	116	232	413	329	205	58	5	0	1,417
1986	0	0	16	51	152	396	539	290	255	30	0	0	1,729
1987	0	0	0	39	271	412	455	466	189	6	21	0	1,859
1988	0	0	1	11	134	371	467	498	191	2	0	0	1,675
1989	0	0	7	81	110	276	430	384	139	56	1	0	1,484
1990	0	0	21	40	45	323	403	291	228	25	2	0	1,378
1991	0	0	11	27	188	390	423	432	259	52	2	0	1,784
1992	0	0	0	32	65	165*	392	249	154	19	0	0	1,076**
1993	0	0*	2*	0*	67*	242*	462*	355*	63*	5*	0	0	1,196**
1994	0	0	0	26	42	320	326	244	85	22	1	0	1,066
1995	0	0	0	12	43	234	368	464	114	7	0	0	1,242

Base 65F

* Sparta data missing, Mt Vernon data substituted.

** Annual total calculated from Sparta and Mt Vernon data

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

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

HEATING DEGREE DAYS

SPARTA, IL

YEAR	SEASONAL											TOTAL	
	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		JUN
1892-1893							1,264†	955†	642†	225†	135†	0†	
1893-1894	0†	0†	6†	245†	618†	894†	880†	871†	443†	246†	113†	0†	4,316†
1894-1895	0†	0†	38†	205†	678†	772†	1,166†	1,128†	617†	327†	102†	0†	5,033†
1895-1896	0†	0†	0†	388†	636†	822†	865†	771†	750†	122†	1†	0†	4,355†
1896-1897	0†	0†	48†	260†	543†	778†	1,045†	773†	577†	279†	161†	0†	4,464†
1897-1898	0†	0†	0†	121†	579†	967†	843†	773†	549†	357†	74†	0†	4,263†
1898-1899	0†	0†	0M†	298†	672†	1,042†	1,032†	1,204†	769†	276†	67M†	0†	5,360M†
1899-1900	0†	0†	41†	151†	456M†	1,032†	887†	1,014†	688†	270†	90†	0†	4,629M†
1900-1901	0†	0†	0†	136†	570†	911†	883	961	611	399	124	6	4,601††
1901-1902	0	0	54	188	657	1,105	1,029	762	566	347	30	6	4,744
1902-1903	0	0	75	179	382	961	984	881	496	272	78	24	4,332
1903-1904	0	3	50	255	694	1,043	1,146	982	589	445	82	3	5,292
1904-1905	1	2	28	263	584	925	1,225	1,139	440	272	37	0	4,916
1905-1906	0	0	7	285	540	921	825	902	899	192	93	4	4,668
1906-1907	0	0	7	250	632	851	808	814	380	506	201	23	4,472
1907-1908	0	0	42	271	627	807	914	825M	417	244M	61M	0	4,208M
1908-1909	0	0	26*	306M	499	783	944	704	592	281	109	0	4,244M**
1909-1910	1	0	61	279M	259	1,187	972	953	293	286	148	33	4,472M
1910-1911	0	6	15	212	674	1,026	851	685	569	306	84	0	4,428
1911-1912	0	5	4	262	731	815	1,363	1,047	878	211	63	15	5,394
1912-1913	0	8	73	186M	590	831*	854M	986*	624M	269M	89*	18	4,528M**
1913-1914	0	0M	49	291	473*	758	792	991	655	298	60	0	4,367M**
1914-1915	0	0	25	189	451	1,088	1,063	675	810	156	69	3	4,529
1915-1916	0	15	36	143	427	903	913	893	615	320	64	1	4,330
1916-1917	0	0	72	228	488	940	894	890	528	321	211	23	4,595
1917-1918	0	6	37	428	551	1,197	1,452	753	351M	368	41	0	5,184M
1918-1919	0	0	107	142	567	666	828	759	524	255	133	0	3,981
1919-1920	0	0	15	167	599	1,024	1,102	847	579M	391	114	2	4,840M
1920-1921	0	3	21	150	651	818	782	611M	320	243	110	2	3,713M
1921-1922	0	0	4	240	470	795	1,063	756	547	209M	26	0	4,110M
1922-1923	0	0M	16	186	486	838	762	939	610	244	79	3	4,163M
1923-1924	0	0	26	290	483	571M	1,133	786	720	206M	159	2	4,376M
1924-1925	0	0	55	101	443	1,000	946	615	456	140	142	0	3,898
1925-1926	0	0	3	439	563	898	911	645M	730	374	54*	4	4,621M**
1926-1927	0M	0	47	229	712	961	1,010	564	522	216	74	7	4,342M
1927-1928	0	7	38	124	471	972	931	771	581	360	54	24	4,333
1928-1929	0	0	85	177	540	823	1,082	1,012	437	205	166	15	4,542
1929-1930	0	0	37	211	680	837	1,213	553	607	191	50	9	4,388
1930-1931	0	0	7	285	526	884	845	633	708	251	147	6	4,292
1931-1932	0	0	14	137	304	604	716	568	740	219	46	0	3,348
1932-1933	0	0	21	219	693	917	660	826	585	262	51	3	4,237
1933-1934	0	0	0	211	533	749	818	907	683	246	33	0	4,180
1934-1935	0	4	42	126	421	959	889	688	381	369	146	13	4,038
1935-1936	0	2	33	203	600	1,055	1,170	1,085	392	377	29	0	4,946
1936-1937	0	0	20	218	639	780	974	833	680	281	60	1	4,486
1937-1938	0	0	50	271	666	987	945	549	316	214	69	0	4,067
1938-1939	0	0	30	100	489	845	755	802	475	332	51	1	3,880
1939-1940	0	0	10	178	609	796	1,434	855	626	311	108	0	4,927
1940-1941	0	0	47	109	613	734	887	880	733	179	41	2	4,225
1941-1942	0	0	17	118	538	737	969	826	466	197	62	14	3,944
1942-1943	0	2	93	158	450	943	900	652	727	254	56	2	4,237
1943-1944	0	0	49	202	614	929	841	680	648	274	76	5	4,318
1944-1945	0	3	6	175	515	1,052	881	735	316	210	140	23	4,056

Base 65F

* Sparta data missing, Mt Vernon data substituted

** Seasonal total calculated from Sparta and Mt Vernon 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.

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

BEATING DEGREE DAYS

SPARTA, IL

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	SEASONAL TOTAL
1945-1946	0	0	25	208	500	1,071	900	643	237	164	92	15	3,855
1946-1947	0	3	17	109	457	704	836	957	810	256	101	5	4,255
1947-1948	2	0	55	73	672	795	1,165	848	585	182	60	0	4,437
1948-1949	0	0	21	275	514	795	919	727	608	289	31	0	4,179
1949-1950	0	0	92	166	500	730	759	740	665	359	40	5	4,056
1950-1951	0	4	37	89	728	1,041	930	770	649	362	46	7	4,663
1951-1952	0	0	39	178	738	889	787	641	609	273	68	0	4,222
1952-1953	0	0	29	323	533	822	851	603	452	318	64M	0	3,995M
1953-1954	0	0	15	163	491	825	932	531	628	115	150	3	3,853
1954-1955	0	0	14	251	514	843	916	755	544	107	19	18	3,981
1955-1956	0	0	10	186	623	931	1,028	725	545	304	63	10	4,425
1956-1957	0	1	23	80	542	698	1,104	643	604	258	53	0	4,006
1957-1958	0	0	32	307	581	701	1,002	1,063	788	247	63	4	4,788
1958-1959	0	2	31	204	447	1,024	1,070	759	540	236	49	2	4,364
1959-1960	0	0	22	221	739	733	914	942	1,012	202	130	0	4,915
1960-1961	0	0	2	176	547	1,002	1,035	698	501	401	149	10	4,521
1961-1962	0	0	33	175	569	940	1,129	703	712	146	5	0	4,612
1962-1963	0	0	54	155	582	979	1,234	923	425	204	91	2	4,649
1963-1964	0	0	12	58	464	1,202	877	819	601	169	30	3	4,235
1964-1965	0	3	39	266	463	934	909	801	854	198	8	0	4,475
1965-1966	0	5	32	258	417	685	1,170	871	553M	341	123	5	4,460M
1966-1967	0	0	57	314	520	885	868	865	470M	205	128	11	4,323M
1967-1968	2	12	74	257	657	867M	1,073	979	566M	263	113	3	4,866M
1968-1969	0	2	13	271M	588	952	1,044	804	813	241	72	14M	4,814M
1969-1970	0	0*	36M	290	640	972	1,215	846	722	234	45	8	5,008M**
1970-1971	0	0	18	238	597	768	1,089	814	659	288	105	0	4,576
1971-1972	1	0	26	53	527	663	1,002	829	555	282	62	9	4,009
1972-1973	2	0	22	282	690	984	942	790	360	295	85	0	4,452
1973-1974	0	0	17	119	422	938	939	689	453	203	60	6	3,846
1974-1975	0	0	109	220	547	898*	911*	863*	715	299	30	0	4,592**
1975-1976	0	0	97	172	451M	856	1,060	557	398	232	124	2	3,949M
1976-1977	0	0	20	402	774	1,029	1,462	800	415	152	30	1	5,085
1977-1978	0	0	7	265	548	983	1,315	1,169	757	219	130	3	5,396
1978-1979	0	0	11	265	473	894	1,391	1,081	592	300	95	0	5,102
1979-1980	0	1	31	206	593	814	1,006	1,023	709	318	59	1	4,761
1980-1981	0	0	20	289	577	868	1,025	711	569	106	156	0	4,321
1981-1982	0	0	37	252	452	961	1,217	942	514	381	13	5	4,774
1982-1983	0	0	47	240	527	673	974	698	600	414	92	7	4,272
1983-1984	0	0	62	183	460	1,287	1,104	672	775	327	110	0	4,980
1984-1985	0	0	96	142	575	685	1,263	943	452	187	40	11	4,394
1985-1986	0	0	68	152	490	1,115	904	745	490	194	46	0	4,204
1986-1987	0	13	8	223	664	915	1,006	689	467	255	9	0	4,249
1987-1988	0	0	13	337	447	788	1,051	906	561	224	29	5	4,361
1988-1989	0	2	21	391	518	831	711	955	569	282	126	3	4,409
1989-1990	0	0	73	186	520	1,249	671	635	486	125	86	8	4,239
1990-1991	2	2	22	263	387	904	1,116	687	470	158	38	0	4,049
1991-1992	0	0	66	172	671	791	886	618	502	253	108	20*	4,087**
1992-1993	0	6	61	232	567	948	1,024	947*	806*	425*	104*	26*	5,146**
1993-1994	0*	0*	92*	178*	710	898	1,224	881	655	329	186	5	5,354**
1994-1995	0	15	82	270	469	794	1,088	858	569	333	134	11	4,623
1995-1996	1	0	110	238	740	1,015							

Base 65F

* Sparta data missing, Mt Vernon data substituted

** Seasonal total calculated from Sparta and Mt Vernon 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.

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

PRECIPITATION

SPARTA, IL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
1893	0.28	1.77	2.74	9.23	4.09	4.14	2.64	2.39	3.07	6.55	1.68	1.23	39.81
1894	2.30	2.60	2.81	3.93	3.57	1.17	3.15	1.32	3.91	1.22	0.77	2.84	29.59
1895	1.50	0.45	2.53	1.03	3.08	3.84	3.75	2.56	2.65	0.41	4.30	5.45	31.55
1896	1.33	2.36	3.69	3.64	8.56	2.84	6.06	1.47	3.15	1.56	3.43	0.22	38.31
1897	3.16	2.37	10.51	3.55	1.57	4.88	0.93	0.49	0.27	1.13	4.54	4.13	37.53
1898	3.83	1.98	9.95	3.40	5.93	5.09	6.91	4.85	4.81	6.36	1.88	1.97	56.96
1899	2.16	2.91	2.27	1.30	3.01	2.72	5.79	1.64	0.93	2.75	1.33	1.89	28.70
1900	0.63	3.05	1.25	2.37	2.79	6.66	3.48	1.50	3.22	2.20	3.38	1.19	31.72
1901	0.99	1.96	3.03	2.11	2.32	1.37	1.33	1.05	2.37	2.28	2.40	3.59	24.80
1902	0.96	0.76	4.47	2.04	4.70	2.82	2.71	4.15	3.79	1.42	4.09	4.33	36.24
1903	0.95	2.89	3.06	3.13	2.69	2.51	1.35	3.58	1.63	4.32	2.05	1.69	29.85
1904	2.39	1.83	8.66	4.62	3.14	5.18	2.23	5.33	6.47	0.57	0.86	1.66	42.94
1905	2.61	1.52	3.79	4.63	3.09	0.26	11.34	3.20	5.19	3.91	2.02	2.92	44.48
1906	4.51	2.64	4.36	1.77	2.80	2.98	1.72	4.42	7.42	1.52	5.70	3.23	43.07
1907	6.13	1.16	2.66	3.73	5.40	4.41	2.60	5.11	3.99	3.01	3.17	4.05	45.42
1908	2.03	5.61	3.94	7.02	7.08	2.30	5.26	2.74	1.32	0.11	4.34	0.72	42.47
1909	2.95	4.27	3.96	7.53	3.97	3.76	6.14	0.07	5.47	1.97	5.56	2.86	48.51
1910	2.45	3.27	0.03	3.23	5.46	2.90	5.16	4.06	4.47	4.62	1.19	1.58	38.42
1911	1.17	2.52	2.08	7.98	1.46	0.91	1.67	3.92	6.74	3.71	2.71	2.72	37.59
1912	1.96	2.25	5.18	5.88	4.38	3.95	3.41	4.50	3.22	3.01	1.01	0.61	39.36
1913	9.69	1.38	9.04	3.05	2.60	2.76	3.32	1.87	4.21	8.52	2.86	1.59	50.89
1914	3.02	3.62	2.44	2.58	0.50	0.95	1.03	6.39	3.08	6.27	1.07	3.72	34.67
1915	3.64	2.48	0.53	0.53	8.43	10.81	4.22	9.68	1.09	0.74	2.78	3.94	48.87
1916	11.89	1.76	1.47	1.73	3.29	7.03	0.66	7.79	2.30	3.13	2.18	3.73	46.96
1917	3.72	0.38	2.14	7.76	4.63	1.98	3.40	3.69	1.42	3.35	1.62	1.47	35.56
1918	2.98	1.61	1.31	10.05	8.06	2.36	0.11	7.48	5.03	3.00	2.71	4.70	49.40
1919	0.95	1.99	2.67	2.55	5.27	5.31	2.19	1.70	1.91	15.07	3.39	0.42	43.42
1920	2.91	0.81	5.34	3.10	8.75	0.25	3.75	5.22	1.95	1.77	0.46	3.82	38.13
1921	1.66	1.32	6.10	5.97	3.37	4.37	3.16	4.18	6.45	1.41	4.67	3.39	46.05
1922	1.53	1.40	5.95	5.97	2.54	2.49	2.56	1.42	1.35	3.97	1.85	6.51	37.54
1923	2.76	2.19	4.95	4.13	5.37	2.51	2.39	13.22	1.99	3.98	2.23	3.78	49.50
1924	1.45	1.49	3.13	3.11	6.10	5.61	5.80	2.89	3.71	0.55	0.95	3.75	38.54
1925	1.17	2.73	1.91	3.57	1.45	5.38	3.49	3.92	4.89	4.83	3.72	1.42	38.48
1926	1.74	3.82	1.97	2.56	1.75	0.81	3.01	7.80	8.24	5.71	4.02	1.80	43.23
1927	3.52	0.99	7.43	8.29	6.34	3.31	5.32	2.05	2.37	2.01	6.32	2.95	50.90
1928	1.42	1.84	2.00	3.95	2.86	8.20	3.21	2.68	0.24	3.15	2.72	2.34	34.61
1929	3.76	1.89	2.65	4.88	8.96	4.79	1.88	3.64	2.16	3.17	1.64	3.53	44.95
1930	6.25	1.91	1.60	0.88	2.06	1.49	0.74	0.13	4.88	3.11	1.58	0.99	25.62
1931	0.44	1.58	2.49	2.60	3.05	1.73	1.66	4.34	4.00	2.72	4.70	3.71	33.02
1932	4.38	0.63	2.16	2.10	1.54	2.64	2.87	6.10	2.51	4.69	1.12	3.78	34.52
1933	2.18	1.19	2.66	5.62	8.24	0.40	2.01	2.97	1.66	3.14	0.86	1.71	32.64
1934	1.44	1.27	3.07	4.06	1.98	2.74	1.28	3.74	4.98	1.62	6.10	1.81	34.09
1935	2.93	0.74	6.99	2.92	6.63	6.46	3.31	1.10	3.30	2.61	5.72	1.22	43.93
1936	0.81	1.25	1.03	3.27	1.34	1.61	1.13	0.39	4.28	4.06	3.48	2.50	25.15
1937	8.42	1.41	1.73	6.05	2.86	4.82	3.63	1.48	0.71	5.36	1.67	3.34	41.48
1938	2.19	2.94	7.80	3.39	5.79	6.39	2.25	3.27	3.40	1.25	1.77	2.24	42.68
1939	3.68	3.52	2.82	7.90	3.09	5.76	6.10	4.61	2.26	0.69	1.78	1.60	43.81
1940	1.80	2.49	0.90	5.11	2.83	1.83	2.89	3.11	0.92	2.21	4.13	3.34	31.56
1941	2.32	0.53	0.47	4.63	2.54	3.39	1.56	1.97	3.68	8.41	2.97	2.30	34.77
1942	2.46	3.66	2.90	2.12	4.41	6.18	4.64	4.17	1.78	3.58	4.04	3.01	42.95
1943	0.32	0.71	1.77	3.02	9.61	6.66	1.89	1.78	4.96	3.02	1.42	1.75	36.91
1944	0.25	2.39	2.99	4.31	3.57	2.60	1.59	2.60	2.27	0.22	1.24	1.96	25.99
1945	1.26	4.65	12.87	6.75	5.10	6.70	1.48	2.12	6.57	3.56	3.81	1.01	55.88

* Sparta data missing, Mt Vernon data substituted.

** Annual total calculated from Sparta and Mt Vernon data.

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

PRECIPITATION

SPARTA, IL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
1946	1.96	4.73	1.53	3.37	7.73	1.73	1.78	10.04	1.31	3.61	6.06	2.29	46.14
1947	2.52	0.23	2.43	7.85	4.88	5.49	2.91	3.98	2.78	4.33	3.13	2.15	42.68
1948	3.52	2.33	5.29	1.68	2.87	3.86	5.54	0.92	3.31	2.69	3.55	1.56	37.12
1949	9.00	3.15	4.19	1.94	2.59	5.91	7.20	7.37	6.58	10.51	0.19	3.96	62.59
1950	9.90	5.68	2.94	4.50	3.58	1.53	1.74	9.13	5.10	1.10	2.54	0.88	48.62
1951	3.61	5.14	3.10	2.39	2.40	5.48	7.29	5.69	5.99	4.96	4.96	2.00	53.01
1952	0.98	1.86M	5.37	5.43	2.07	1.51	4.17	2.50	3.02	1.15	3.68	2.04	33.78M
1953	2.47	0.98	4.71	4.27	2.74	2.64	1.42	0.80	0.22	1.77	0.77	0.53	23.32
1954	2.31	2.26	1.18	1.70	5.26	4.07	1.80	4.29	3.30	4.45	1.53	4.99	37.14
1955	0.67	2.73	3.97	2.07	4.23	3.74	2.60	1.30	3.05	4.87	5.54	0.16	34.93
1956	0.72	4.98	1.31	2.19	7.59	5.34	3.50	1.84	1.77	1.00	2.88	2.63	35.75
1957	2.13	4.45	3.49	9.77	10.17	5.64	3.07	3.13	1.44	2.26	5.15	3.88	54.58
1958	2.23	0.97	4.35	4.09	4.89	5.31	13.13	3.36	2.74M	1.00	5.97	1.00	49.24M
1959	3.21	2.34	2.84	3.39	5.34	1.50	2.59	7.50	5.19	2.37	2.31	5.80	44.38
1960	1.80	1.42	2.81	3.65	4.36	2.22	1.40	5.42	3.65	1.83	4.31	1.54	34.41
1961	1.05	2.97	5.18	3.44	8.29	5.18	3.93	3.38	3.28	1.05	3.49	3.75	44.99
1962	4.53	4.25	4.37	2.57	2.15	2.90	1.88	2.57	2.44	4.01	1.14	2.88	35.69
1963	0.57	0.26	5.90	1.53	4.14	1.63	4.72	2.85	0.53	0.64	4.48	0.88	28.13
1964	1.13	2.97	6.15	4.87	3.22	4.39	1.14	4.13	2.40	0.19	2.04	1.55	34.18
1965	2.71	2.25	1.97	4.68	2.18	3.81	1.68	5.08	7.44	1.72	0.83	3.03	37.38
1966	1.15	4.25	1.49	6.60	4.36	1.68	2.16	1.92	3.90	1.20	3.67	3.15	35.53
1967	0.70	2.29	2.20	6.35	4.04	2.85	4.50	4.27	4.33	3.80	2.34	9.52	47.19
1968	2.41	1.39	5.29	3.80	5.26	2.14	4.04	2.85	3.74	1.11	7.79	2.81	42.63
1969	3.94M	1.30	2.05	6.20	3.01	8.85	12.87	0.43	6.25	3.05	1.03	3.04	52.02M
1970	0.21	2.09	4.22	4.15	3.50	5.06	1.48	2.99	4.32	3.38	2.21	1.18	34.79
1971	1.16	3.41	1.07	3.20	6.41	1.49	3.75	1.30	1.70	1.28	1.72	6.40	32.89
1972	1.56	1.64	2.34	7.21	1.76	1.89	6.14	1.79	3.96	2.77	8.06	3.88	43.00
1973	2.42	1.40	7.20	6.59	5.06	4.54	2.41	4.09	1.78	4.68	4.28	4.62	49.07
1974	3.20	2.93	4.15	5.36	4.58	4.06	1.68	2.94	3.87	1.68	2.58	2.54*	39.57**
1975	4.71*	3.54*	6.65	4.13	3.06	2.00	3.42	9.11	2.21	1.65	2.70	3.77	46.95**
1976	0.79	1.30	3.50	1.47	4.21	1.49	4.78	1.32	2.73	4.33	0.62	0.75	27.29
1977	1.31M	2.58	7.76	1.18	3.18	4.48	6.72	8.21	2.36	2.92	3.76	4.03	48.49M
1978	1.23M	1.27M	5.83	2.56	3.11	1.99	5.67	2.73	0.90	1.93	4.85	5.08	37.15M
1979	2.02M	3.76	5.57M	7.06	3.09	1.53	8.38	2.82	1.01	2.08	4.32	2.71	44.35M
1980	0.96	1.63	4.65	1.45	2.67	2.12	3.03	4.54	3.49	2.83	1.98	0.73	30.08
1981	0.38	2.74	1.28	3.21	7.55	5.76	7.94	4.33	2.11	4.43	3.11	1.35	44.19
1982	6.52	1.78	2.68	2.05	8.51	3.40	4.06	3.63	2.16	2.70	3.44	10.57	51.50
1983	0.84	0.80	3.33	7.03	9.13	3.51	1.01	1.48	2.98	7.53	6.24	4.70	48.58
1984	0.74	2.69	5.09	4.87	3.02	4.22	3.20	3.70	8.18	6.79	4.45	4.78	51.73
1985	2.07M	4.15	9.64	2.33	2.87	8.11	1.67	6.17	0.20	3.29	11.45	2.05	54.00M
1986	0.14	3.19	3.14	2.19	5.26	2.00	5.17	2.86	5.42	5.74	2.11	2.06	39.28
1987	1.48	2.44	1.78	2.19	1.41	2.85	5.61	4.70	3.35	2.64	3.95	7.32	39.72
1988	2.60	3.85M	5.19	1.70	2.04	1.08	5.65	0.32	4.79	3.25	6.01	2.77	39.25M
1989	2.55	3.97	5.99	2.26	3.97	2.98	1.90	2.83	3.36	4.90	1.40	1.09	37.20
1990	2.87	4.17	3.06	2.73	12.13	2.72	4.07	3.26	4.85	4.41	5.44	4.72M	54.43M
1991	1.05M	1.50M	2.59M	2.24	3.30	0.07M	2.31	1.60	2.56M	7.00M	4.90M	1.85*	30.97M**
1992	1.06M	0.75M	2.95*	3.47	0.90	0.50*	3.44	0.70	2.68M	0.00	5.71M	1.83	23.99M**
1993	5.32	1.83*	2.00*	5.47*	4.32*	6.77*	6.63*	4.87*	8.23*	1.57*	9.02	1.85	57.88**
1994	2.85	1.46	2.01	11.32	1.98	3.73	1.95	2.65	2.83	2.09	7.27	1.43	41.57
1995	3.41	1.66*	2.39	2.80	11.74	5.12	3.07	1.42	3.46	2.27	1.85	3.00	40.19**

* Sparta data missing, Mt Vernon data substituted.

** Annual total calculated from Sparta and Mt Vernon data.

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

SNOWFALL

SPARTA, IL

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	SEASONAL TOTAL
1892-1893							2.6	2.5	1.7	2.7	0.0	0.0	
1893-1894	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.0	0.0	0.0	0.0	0.0	5.0
1894-1895	0.0	0.0	0.0	0.0	0.0	0.2	4.8	4.5	2.7	0.0	0.0	0.0	12.2
1895-1896	0.0	0.0	0.0	0.0	0.8	7.2	0.2	0.6	18.3	0.0	0.0	0.0	27.1
1896-1897	0.0	0.0	0.0	0.0	3.3	0.0	3.2	3.9	0.3	0.0	0.0	0.0	10.7
1897-1898	0.0	0.0	0.0	0.0	0.0	1.7	0.2	0.4	0.0	0.0	0.0	0.0	2.3
1898-1899	0.0	0.0	0.0	0.0	2.0	6.0	1.5	11.0	3.2	1.0	0.0	0.0	24.7
1899-1900	0.0	0.0	0.0	0.0	0.5	5.2	0.0	7.5	0.0	0.0	0.0	0.0	13.2
1900-1901	0.0	0.0	0.0	0.0	0.0	1.8	0.2	3.5	0.0	0.0	0.0	0.0	5.5
1901-1902	0.0	0.0	0.0	0.0	0.0	8.0	3.8	1.2	0.0	0.0	0.0	0.0	13.0
1902-1903	0.0	0.0	0.0	0.0	-0.1	3.0	1.6	3.8	0.5	0.0	0.0	0.0	9.0
1903-1904	0.0	0.0	0.0	0.0	2.0	1.3	11.2	0.0	0.0	8.0	0.0	0.0	22.5
1904-1905	0.0	0.0	0.0	0.0	0.0	3.8	7.5	7.5	0.0	0.0	0.0	0.0	18.8
1905-1906	0.0	0.0	0.0	0.0	0.0	1.5	1.6	12.0	5.0	0.0	0.0	0.0	20.1
1906-1907	0.0	0.0	0.0	0.0	2.0	1.0	2.5	5.7	0.0	0.0	0.0	0.0	11.2
1907-1908	0.0	0.0	0.0	0.0	0.2	6.0	3.3	13.5	2.5	0.0	0.0	0.0	25.5
1908-1909	0.0	0.0	0.0	0.0	0.0	0.0	12.0	6.5	0.0	0.0	0.0	0.0	18.5
1909-1910	0.0	0.0	0.0	0.0	0.0	14.5	1.0	19.5	0.0	5.0	0.0	0.0	40.0
1910-1911	0.0	0.0	0.0	0.0	0.0	4.0	0.5	6.5	8.5	0.0	0.0	0.0	19.5
1911-1912	0.0	0.0	0.0	0.0	1.0	0.0	14.8	18.5	25.4	1.0	0.0	0.0	60.7
1912-1913	0.0	0.0	0.0	0.0	0.0	0.0	0.5	8.1	7.0	0.0	0.0	0.0	15.6
1913-1914	0.0	0.0	0.0	0.5	0.0	5.2	4.1	11.2	5.2	0.0	0.0	0.0	26.2
1914-1915	0.0	0.0	0.0	0.0	0.0	5.5	4.8	2.9	1.9	0.0	0.0	0.0	15.1
1915-1916	0.0	0.0	0.0	0.0	0.0	6.5	2.5	2.4	6.0	0.6	0.0	0.0	18.0
1916-1917	0.0	0.0	0.0	0.0	1.0	9.5	0.9	2.3	0.3	2.8	0.0	0.0	16.8
1917-1918	0.0	0.0	0.0	0.0	0.0	9.3	16.4	0.0	0.0	0.0	0.0	0.0	25.7
1918-1919	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.2	3.5	0.0	0.0	0.0	5.7
1919-1920	0.0	0.0	0.0	0.0	0.0	0.5	13.3	1.8	4.2	0.4	0.0	0.0	20.2
1920-1921	0.0	0.0	0.0	0.0	0.0	2.1	1.9	1.5	0.5	0.0	0.0	0.0	6.0
1921-1922	0.0	0.0	0.0	0.0	0.0	8.2	4.1	0.0	3.2	0.0	0.0	0.0	15.5
1922-1923	0.0	0.0	0.0	0.0	0.0	0.9	0.0	2.3	0.0	0.0	0.0	0.0	3.2
1923-1924	0.0	0.0	0.0	0.0	0.0	0.5	1.5	3.9	12.5	0.0	0.0	0.0	18.4
1924-1925	0.0	0.0	0.0	0.0	0.0	3.1	4.9	0.6	0.0	0.0	0.0	0.0	8.6
1925-1926	0.0	0.0	0.0	3.5	0.0	0.3	7.6	0.0	0.3	0.0	0.0	0.0	11.7
1926-1927	0.0	0.0	0.0	0.0	4.2	7.7	1.7	3.1	4.5	0.0	0.0	0.0	21.2
1927-1928	0.0	0.0	0.0	0.0	0.0	0.2	0.1	2.4	5.3	0.0	0.0	0.0	8.0
1928-1929	0.0	0.0	0.0	0.0	0.0	0.0	0.6	11.4	0.0	0.0	1.0	0.0	13.0
1929-1930	0.0	0.0	0.0	0.0	4.5	7.7	8.7	1.2	1.0	0.0	0.0	0.0	23.1
1930-1931	0.0	0.0	0.0	0.0	0.0	1.8	1.7	0.0	0.0	0.0	0.0	0.0	3.5
1931-1932	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2
1932-1933	0.0	0.0	0.0	0.0	3.4	3.7	0.0	2.8	0.0	0.0	0.0	0.0	9.9
1933-1934	0.0	0.0	0.0	0.0	0.0	3.7	1.2	4.1	3.5	0.0	0.0	0.0	12.5
1934-1935	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	3.6
1935-1936	0.0	0.0	0.0	0.0	0.0	2.7	4.4	3.0	1.2	0.2	0.0	0.0	11.5
1936-1937	0.0	0.0	0.0	0.0	1.6	3.9	4.3	1.5	7.5	0.0	0.0	0.0	18.8
1937-1938	0.0	0.0	0.0	0.0	1.0	0.3	0.3	0.0	0.0	0.4	0.0	0.0	2.0
1938-1939	0.0	0.0	0.0	0.0	1.8	0.0	6.7	7.7	0.3	0.0	0.0	0.0	16.5
1939-1940	0.0	0.0	0.0	0.0	0.0	7.3	10.6	2.8	1.2	0.0	0.0	0.0	21.9
1940-1941	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.5	0.0	0.0	0.0	2.0
1941-1942	0.0	0.0	0.0	0.0	0.0	2.1	0.9	5.3	0.8	0.0	0.0	0.0	9.1
1942-1943	0.0	0.0	0.0	0.0	0.0	6.5	0.0	1.0	3.3	0.0	0.0	0.0	10.8
1943-1944	0.0	0.0	0.0	0.0	0.2	1.9	1.4	6.0	1.2	0.0	0.0	0.0	10.7
1944-1945	0.0	0.0	0.0	0.0	3.0	3.0	6.0	4.1	0.0	0.0	0.0	0.0	16.1

* Sparta data missing, Mt Vernon data substituted.

** Seasonal total calculated from Sparta and Mt Vernon data

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

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

SNOWFALL

SPARTA, IL

YEAR	MONTHS											SEASONAL TOTAL	
	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		JUN
1945-1946	0.0	0.0	0.0	0.0	0.0	7.9	1.3	4.6	0.0	0.0	0.0	0.0	13.8
1946-1947	0.0	0.0	0.0	0.0	0.0	0.0	0.2	4.0	14.6	0.0	0.0	0.0	18.8
1947-1948	0.0	0.0	0.0	0.0	0.2	2.5	6.3	9.4	4.7	0.0	0.0	0.0	23.1
1948-1949	0.0	0.0	0.0	0.0	0.0	2.2	2.0	0.0	9.7	0.0	0.0	0.0	13.9
1949-1950	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	2.8
1950-1951	0.0	0.0	0.0	0.0	0.3	5.5	2.2	4.1	6.5	0.0	0.0	0.0	18.6
1951-1952	0.0	0.0	0.0	0.3	7.0	2.0	1.5	0.0	1.0	0.0	0.0	0.0	11.8
1952-1953	0.0	0.0	0.0	0.0	0.8	2.0	3.3	0.0	3.5	3.7	0.0	0.0	13.3
1953-1954	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.2	0.0	0.0	0.0	1.8
1954-1955	0.0	0.0	0.0	0.0	0.0	1.2	6.2	0.4	3.7	0.0	0.0	0.0	11.5
1955-1956	0.0	0.0	0.0	0.0	0.0	0.1	5.2	5.7	2.5	0.0	0.0	0.0	13.5
1956-1957	0.0	0.0	0.0	0.0	2.0	0.0	4.8	0.0	2.2	0.5	0.0	0.0	9.5
1957-1958	0.0	0.0	0.0	0.0	0.0	0.4	4.6	5.9	2.8	0.0	0.0	0.0	13.7
1958-1959	0.0	0.0	0.0	0.0	6.5	3.4	5.0	0.0	2.0	0.0	0.0	0.0	16.9
1959-1960	0.0	0.0	0.0	0.0	2.5	0.0	1.3	8.2	24.0	0.0	0.0	0.0	36.0
1960-1961	0.0	0.0	0.0	0.0	0.0	1.8	7.5	8.0	0.0	0.0	0.0	0.0	17.3
1961-1962	0.0	0.0	0.0	0.0	1.8	8.7	8.1	5.8	0.5	0.0	0.0	0.0	24.9
1962-1963	0.0	0.0	0.0	0.0	0.0	2.0	2.3	1.5	4.5	0.0	0.0	0.0	10.3
1963-1964	0.0	0.0	0.0	0.0	0.0	3.5	8.0	10.0	4.0	0.0	0.0	0.0	25.5
1964-1965	0.0	0.0	0.0	0.0	0.3	0.2	5.5	8.0	9.5	0.0	0.0	0.0	23.5
1965-1966	0.0	0.0	0.0	0.0	0.0	0.0	0.7	17.0	0.5	0.0	0.0	0.0	18.2
1966-1967	0.0	0.0	0.0	0.0	0.0	0.2	1.0	0.5	2.0	0.0	0.0	0.0	3.7
1967-1968	0.0	0.0	0.0	0.0	0.0	1.0	7.0	0.0M	4.0	0.0	0.0	0.0	12.0M
1968-1969	0.0	0.0	0.0	0.0	0.5	0.5	3.1	6.5	0.0	0.0	0.0	0.0	10.6
1969-1970	0.0	0.0	0.0	0.0	2.5	15.1	1.0	6.0	5.0	0.0	0.0	0.0	29.6
1970-1971	0.0	0.0	0.0	0.0	0.0	1.0	0.5	2.8	0.0	10.0	0.0	0.0	14.3
1971-1972	0.0	0.0	0.0	0.0	1.0	0.0	3.5	1.0	0.0	0.0	0.0	0.0	5.5
1972-1973	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.8	0.0	0.0	0.0	0.0	2.1
1973-1974	0.0	0.0	0.0	0.0	0.0	16.5	1.0	3.0	4.0	0.0	0.0	0.0	24.5
1974-1975	0.0	0.0	0.0	0.0	0.0	0.0*	1.0*	1.0*	10.0	0.0	0.0	0.0	12.0**
1975-1976	0.0	0.0	0.0	0.0	8.2	6.5	2.7	3.5	2.5	0.0	0.0	0.0	23.4
1976-1977	0.0	0.0	0.0	0.0	0.2	2.8	18.5	2.5	0.5	0.0	0.0	0.0	24.5
1977-1978	0.0	0.0	0.0	0.0	4.0	2.1	11.5	5.9	5.3	0.0	0.0	0.0	28.8
1978-1979	0.0	0.0	0.0	0.0	0.0	1.7	21.2	9.1	2.6	0.0	0.0	0.0	34.6
1979-1980	0.0	0.0	0.0	0.0	0.0	0.0	3.8	6.7	4.3	3.0	0.0	0.0	17.8
1980-1981	0.0	0.0	0.0	0.0	8.7	0.3	2.0	1.7	0.0	0.0	0.0	0.0	12.7
1981-1982	0.0	0.0	0.0	0.0	0.0	0.0	14.8	15.0	0.5	2.2	0.0	0.0	32.5
1982-1983	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.5	0.8	0.6	0.0	0.0	5.6
1983-1984	0.0	0.0	0.0	0.0	0.0	4.4	2.8	13.5	2.8	0.0	0.0	0.0	23.5
1984-1985	0.0	0.0	0.0	0.0	0.0	2.1	12.5	2.7	0.0	0.0	0.0	0.0	17.3
1985-1986	0.0	0.0	0.0	0.0	0.0	5.0	0.9	5.7	0.3	0.0	0.0	0.0	11.9
1986-1987	0.0	0.0	0.0	0.0	0.0	0.0	9.9	1.0	0.0	0.0	0.0	0.0	10.9
1987-1988	0.0	0.0	0.0	0.0	0.0	2.5	2.1	1.7	2.2	0.0	0.0	0.0	8.5
1988-1989	0.0	0.0	0.0	0.0	0.0M	6.0	1.9	1.5	2.2	0.0	0.0	0.0	11.6M
1989-1990	0.0	0.0	0.0	0.0	0.0	12.1	0.5	3.0	3.0	0.0	0.0	0.0	18.6
1990-1991	0.0	0.0	0.0	0.0	0.0	0.0M	1.0M	1.0	0.0	0.0	0.0	0.0	2.0M
1991-1992	0.0	0.0	0.0	0.0	2.0	0.0	3.0	2.0M	0.3	0.0	0.0	0.0	7.3M
1992-1993	0.0	0.0	0.0	0.0	0.0	0.0	0.0M	21.5*	0.0*	0.0*	0.0*	0.0*	21.5M**
1993-1994	0.0*	0.0*	0.0*	5.0*	1.0	1.5	5.1	0.0	4.0	0.0	0.0	0.0	16.6**
1994-1995	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0*	0.5	0.0	0.0	0.0	4.5**
1995-1996	0.0	0.0	0.0	0.0	0.3	5.0*							

* Sparta data missing, Mt Vernon data substituted.

** Seasonal total calculated from Sparta and Mt Vernon data

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

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

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 average of the daily maximum and daily 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 Kankakee 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
ATT: 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	Hillsboro
Hoopeston	Kankakee	Lincoln	Moline	Monmouth
Ottawa	Peoria	Quincy	Rockford	Mt. Vernon
Waukegan	White Hall		Sparta	Springfield

ILLINOIS



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