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ISWS Illinois State Water Survey)CAL CLIMATOLOGICAL DATA
MP-19 LOCAL CLIMATOLOGICAL 1910-1962
Archive DATA FOR CARBONDALE, IL.
SWS0961 1910-1962 CARBONDALE

CLIMATOLOGICAL SUMMARY

Carbondale is largely an educational community, the home of Southern Illinois University. Carbondale lies in eastern Jackson County, at the northern edge of the Shawnee Hills Physiographic Section. This section of relatively small hills extends west-east across southern Illinois and serves as a minor barrier between the generally flat terrain of central and northern Illinois and the flat coastal plain that extends from the Gulf of Mexico northward into extreme southern Illinois. The topography has only a minor effect on the weather.

The climate is classed as humid continental which is typified by large variations of both temperature and precipitation. Moderately heavy precipitation occurs in the colder half-year (October-March) because the principal path of eastward-moving low pressure systems from the Gulf is across southern Illinois. Summers are normally warm to hot (44 days per year with temperatures of 90 degrees or higher), and winters are usually mild but occasionally cold. Normally, only 1 day per year has a temperature of 0 degrees or lower. Abrupt changes in weather associated with frontal passages usually occur 25 to 30 times a year.

Average annual precipitation is 44.80 inches, although the total has been as high as 74.50 inches (1945). This is the second largest annual total ever recorded at any weather station in Illinois. The lowest Carbondale total is 30.15 inches (1953). On the average, thunderstorms produce 44 percent of the annual precipitation, and snowfall is responsible for 3 percent. Precipitation in the warmer half-year is usually 54 percent of the annual total. May is normally the wettest month, and February the driest. The greatest 24-hour rainfall on record is 5.77 inches on May 22, 1957.

The average annual number of days with thunderstorms is 53. Normally hail occurs on 3 days a year, sleet on 5 days, and freezing rain on 2 days. Daily snowfalls of 1 inch or more occur on 4 days per year on the average.

July is normally the warmest month of the year, although either June or August has been the warmest. January is normally the coldest month, but occasionally December, February, or March has been the coldest. The highest temperature on record is 113 degrees on August 9, 1930, and the lowest on record is -24 degrees on January 13, 1912.

Normally the last spring day with a freezing temperature is April 14, and the first freezing temperature in the fall occurs on October 20, producing an average growing season of 188 days. Ten percent of the time the first freezing fall temperature will occur before October 4, and the last spring freeze after May 1. The average annual number of heating degree days is 4263.

In the tabular data on the next pages all temperatures are expressed in degrees Fahrenheit; precipitation, snowfall, and snow depth values are in inches; and missing data are indicated by M. If 1 day of precipitation or snowfall was missing during a month, the monthly total was considered missing. If more than 5 days of temperature data were missing, the monthly average was considered missing.

The summarized climatological data presented were derived from official U. S. Weather Bureau records for Carbondale, which have been transferred to punched data cards by the Illinois State Water Survey and the Weather Bureau. All monthly and annual totals, averages, and extremes were determined by computer analysis of the punched cards. This material has been prepared by Stanley A. Changnon, Jr., State Water Survey climatologist.

CARBONDALE

AVERAGS TEMPERATURE

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
1910	M	33.5	59.8	57.6	64.0	72.2	79.7	76.5	73.2	61.0	43.2	33.0	M
1911	40.6	42.3	49.9	57.0	71.9	79.9	79.9	78.3	77.8	60.5	43.0	40.7	60.2
1912	24.8	31.1	40.7	59.6	69.2	70.5	79.8	77.4	72.1	59.5	47.2	38.2	55.8
1913	38.0	34.0	44.6	56.7	67.4	77.0	80.8	81.6	71.0	57.1	53.4	40.5	58.5
1914	40.8	32.0	44.2	57.5	68.3	81.5	83.2	79.9	71.3	60.5	50.1	31.6	58.4
1915	32.5	41.6	39.8	62.7	67.6	73.3	77.7	72.4	73.1	61.6	52.5	37.4	57.7
1916	37.7	36.0	45.1	55.8	69.5	72.0	82.5	80.2	69.5	59.4	49.9	35.8	57.8
1917	37.5	34.8	49.2	57.1	60.9	74.1	78.6	75.5	69.8	52.9	47.5	27.1	55.4
1918	19.6	39.8	54.4	54.7	71.6	77.6	78.1	83.1	63.6	62.9	47.2	44.8	58.1
1919	39.0	39.0	48.8	59.8	64.5	78.1	81.5	78.0	73.4	63.5	46.2	33.9	58.8
1920	32.4	37.2	47.1	54.5	66.5	74.0	77.8	74.7	72.6	63.0	44.3	39.5	57.0
1921	40.6	42.1	56.8	59.0	67.7	79.4	83.1	76.5	75.9	57.7	49.5	41.1	60.8
1922	32.2	39.6	48.4	59.5	68.9	77.2	77.9	77.6	72.6	60.4	49.2	38.9	58.5
1923	40.9	33.2	44.4	56.3	64.1	74.8	80.4	78.2	69.8	55.0	47.8	46.5	57.6
1924	29.0	36.4	40.9	59.6	61.7	75.3	75.6	79.6	66.7	63.5	49.0	34.1	56.0
1925	35.0	44.8	51.6	64.1	63.7	79.2	79.3	78.2	78.3	52.6	46.1	35.6	59.0
1926	35.6	42.6	42.4	53.1	69.4	73.6	81.1	79.5	74.0	59.8	42.6	35.5	57.4
1927	34.3	46.0	48.8	60.0	66.3	72.3	77.0	72.4	74.9	63.0	51.1	35.3	58.5
1928	35.8	40.3	46.5	53.7	66.3	70.3	79.8	78.3	66.5	62.6	48.3	39.2	57.3
1929	32.4	30.5	52.9	60.2	64.1	72.7	79.6	75.3	70.0	58.9	43.3	39.1	56.6
1930	28.8	46.3	46.3	61.0	67.4	74.7	82.7	79.8	73.2	57.5	47.8	37.0	58.5
1931	39.3	43.1	42.2	57.5	63.4	78.4	81.2	76.8	76.5	63.5	55.7	46.1	60.3
1932	43.5	47.2	42.0	59.1	67.6	77.6	81.5	78.6	69.7	57.9	42.8	35.8	58.6
1933	43.6	36.0	46.4	56.7	68.4	78.3	79.1	76.4	75.9	58.0	46.4	42.6	59.0
1934	39.3	33.1	43.9	57.4	68.2	80.1	34.7	79.0	68.1	62.1	51.7	36.2	58.7
1935	37.7	41.3	54.4	55.0	63.7	71.6	81.3	79.7	70.4	60.6	46.5	31.9	57.8
1936	29.0	29.7	52.5	53.3	69.8	77.1	84.7	85.1	75.6	59.2	44.0	40.9	58.5
1937	36.4	37.3	43.4	57.4	67.5	75.3	77.0	81.4	69.4	57.3	43.7	34.5	56.7
1938	35.7	46.9	55.9	59.9	67.9	73.9	80.1	81.2	72.4	62.6	48.6	37.6	60.2
1939	41.2	36.6	50.6	54.8	68.8	75.8	79.5	76.7	76.9	61.1	43.4	39.3	58.7
1940	19.8	35.3	45.5	56.1	63.3	74.6	77.7	77.9	69.3	63.0	44.3	44.1	55.9
1941	36.8	33.6	41.3	61.7	70.0	78.0	81.8	80.7	73.5	63.9	46.7	41.5	59.1
1942	32.8	34.8	48.5	59.7	65.6	75.6	79.5	75.5	69.3	59.9	49.3	35.0	57.1
1943	34.9	40.9	41.7	55.8	67.1	78.2	80.4	80.1	66.8	57.8	43.9	34.2	56.8
1944	37.5	41.0	44.5	55.9	71.2	78.7	79.2	78.0	70.5	59.5	48.0	31.0	57.9
1945	31.6	37.0	55.3	58.0	61.9	72.0	75.9	76.3	71.0	57.4	46.9	30.6	56.2
1946	36.0	41.9	58.2	61.0	63.7	76.4	79.1	74.0	70.1	62.2	50.3	43.3	59.7
1947	38.8	30.8	39.1	57.5	65.5	74.2	73.6	82.8	70.0	64.9	42.7	38.1	56.5
1948	26.8	M	M	60.9	64.1	73.8	76.8	75.8	M	M	49.2	40.9	M
1949	38.9	41.1	47.0	55.9	68.2	75.9	80.4	76.3	64.1	61.3	48.3	42.0	58.3
1950	42.3	40.1	44.9	53.7	67.9	74.5	74.6	73.0	67.9	64.3	41.6	31.9	56.4
1951	35.7	37.7	45.0	53.8	67.0	74.5	78.3	76.9	67.1	60.6	40.4	38.0	56.3
1952	40.7	43.0	45.7	55.9	66.3	81.8	80.5	76.9	68.0	53.4	46.7	39.1	58.2
1953	39.0	42.4	49.9	52.5	66.2	80.7	79.3	76.1	71.4	59.1	45.8	37.3	58.3
1954	35.4	45.7	45.1	62.7	61.1	76.8	81.8	80.4	71.7	58.0	45.7	38.1	58.5
1955	35.3	38.5	48.2	62.3	67.5	70.6	81.2	78.2	72.6	58.6	44.9	34.1	57.7
1956	31.3	41.6	47.2	54.6	66.4	74.4	77.3	77.5	68.9	61.9	47.0	43.6	57.7
1957	30.8	43.4	46.0	60.3	67.5	75.5	78.2	76.4	69.8	54.4	45.7	43.6	57.6
1958	33.5	28.9	40.9	56.8	66.2	72.2	77.8	77.1	69.1	57.9	50.2	32.5	55.3
1959	31.9	38.1	47.5	58.2	70.7	74.1	76.2	78.9	70.8	58.6	40.8	41.4	57.3
1960	37.0	34.2	32.6	59.9	63.7	74.1	76.1	78.3	73.5	59.4	45.9	32.5	55.6
1961	30.9	41.1	49.7	52.7	62.0	72.7	77.9	75.4	72.4	60.8	47.1	35.9	56.6
1962	31.0	41.0	42.8	55.2	74.7	74.8	78.5	76.5	67.4	62.6	45.4	34.5	57.0
MEAN	35.0	38.6	46.9	57.6	66.7	75.5	79.4	77.9	71.1	59.9	46.3	37.6	57.8

CARBONDALE

AVERAGE MAXIMUM TEMPERATURE

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
1910	M	45.0	74.1	69.6	75.7	86.0	90.6	89.9	85.6	74.4	55.8	43.2	M
1911	50.5	52.0	64.2	68.7	86.8	93.1	93.1	89.5	88.7	70.3	52.4	47.7	71.4
1912	35.1	40.5	50.9	71.1	81.0	82.5	91.5	89.6	86.3	74.0	58.3	48.7	67.5
1913	47.5	43.7	56.1	69.3	80.5	91.8	93.5	96.7	83.2	67.9	62.6	47.6	70.0
1914	48.4	41.4	53.8	67.9	82.2	95.0	97.7	92.2	83.3	71.7	62.3	38.2	69.5
1915	40.1	48.6	48.9	76.4	79.3	84.4	89.4	82.3	85.4	75.5	64.1	46.0	68.4
1916	48.4	45.3	57.3	66.0	81.3	83.0	95.2	90.3	81.6	74.3	62.7	46.9	69.4
1917	48.7	47.3	60.8	69.0	73.2	85.5	89.2	85.8	84.0	66.0	59.9	37.7	67.3
1918	29.6	51.6	68.5	65.1	83.3	90.5	93.8	95.7	77.0	75.0	57.7	53.9	70.1
1919	49.7	48.4	61.1	71.3	74.5	89.1	94.6	91.7	87.7	74.1	57.3	43.4	70.2
1920	41.3	46.8	57.4	66.0	77.5	87.1	91.3	87.4	86.3	78.2	55.4	47.2	68.5
1921	49.1	51.0	68.8	70.7	80.7	92.3	98.0	88.1	86.8	71.9	61.6	50.4	72.5
1922	41.9	48.6	58.1	71.8	80.9	90.7	91.1	92.7	88.5	75.6	60.9	49.7	70.9
1923	50.4	42.4	56.2	69.2	75.5	86.5	95.3	90.2	81.6	68.9	59.7	56.8	69.4
1924	38.9	46.1	49.8	71.6	73.9	86.7	88.9	93.2	80.2	81.0	60.5	44.3	67.9
1925	44.5	55.3	64.6	77.2	78.1	91.7	91.5	94.6	90.7	61.2	56.4	45.3	70.9
1926	45.0	51.4	52.3	65.6	82.7	87.4	95.8	91.5	85.5	70.8	52.9	43.6	68.7
1927	42.9	56.4	58.5	69.5	75.8	83.1	89.6	84.9	88.6	78.2	61.2	45.5	69.5
1928	44.6	48.8	57.6	64.8	78.8	80.3	91.6	89.2	81.5	74.6	56.9	49.2	68.2
1929	42.6	39.9	63.9	70.8	75.6	84.9	91.5	89.2	82.4	70.4	53.1	47.8	67.7
1930	37.5	56.1	58.3	72.7	79.5	88.4	97.5	95.5	85.0	69.7	57.7	45.3	70.3
1931	49.1	53.5	51.5	69.8	75.0	91.5	94.3	88.4	88.8	75.6	64.5	54.7	71.4
1932	31.7	57.3	52.1	70.6	81.1	90.0	94.5	91.0	81.7	69.9	52.9	44.3	69.8
1933	52.6	45.1	56.3	66.7	77.2	92.3	89.9	89.2	87.0	69.9	57.3	51.9	69.6
1934	48.0	43.6	54.7	68.8	81.6	92.6	97.8	89.5	78.7	76.3	62.9	43.6	69.8
1935	46.7	50.3	64.0	64.6	73.1	81.5	93.0	91.5	85.5	72.6	55.7	39.5	68.2
1936	37.6	39.6	64.8	65.8	84.0	93.0	97.7	99.7	86.3	70.3	55.8	50.7	70.4
1937	44.9	45.5	54.3	67.9	78.8	86.0	89.2	94.5	82.7	68.4	54.8	41.3	67.4
1938	44.3	56.0	66.7	71.5	75.2	84.9	92.5	93.4	86.3	80.8	61.7	47.9	72.1
1939	50.5	47.9	62.2	65.2	81.1	86.5	92.5	90.6	93.8	76.0	55.7	49.9	71.0
1940	30.1	43.2	56.4	67.8	76.5	87.6	92.5	92.3	88.2	80.4	55.9	52.2	68.6
1941	43.7	41.1	50.6	72.1	81.9	89.5	93.8	92.7	85.6	73.5	54.9	48.4	69.0
1942	41.9	41.6	58.4	70.1	76.0	85.4	89.7	85.2	80.2	71.1	57.8	41.6	66.6
1943	44.4	51.8	51.8	66.0	75.9	88.1	91.4	91.1	77.6	69.2	54.7	41.6	67.0
1944	46.2	50.4	54.6	65.5	81.3	89.7	92.6	88.2	80.8	72.8	55.0	38.0	68.0
1945	38.5	45.6	65.4	67.6	71.7	81.0	86.9	87.0	80.9	68.2	56.6	39.1	65.7
1946	44.4	52.4	69.0	72.3	72.5	87.5	91.1	83.7	81.6	75.4	60.1	51.5	70.1
1947	45.8	39.8	48.4	67.6	76.5	83.8	85.3	94.6	82.6	79.0	50.5	48.1	66.8
1948	36.5	M	M	72.8	75.9	86.5	88.3	88.2	83.5	M	59.6	48.9	M
1949	46.7	52.0	57.2	67.8	81.0	86.0	89.9	87.9	77.3	72.4	60.7	52.3	69.3
1950	51.8	49.3	55.8	65.0	78.5	85.7	86.3	83.1	77.2	77.4	51.9	41.3	66.9
1951	44.9	48.2	55.7	64.9	81.8	85.3	89.0	89.5	79.5	74.4	50.6	47.1	67.6
1952	50.4	53.2	56.9	68.1	78.5	95.5	93.8	90.0	84.5	70.5	58.6	46.6	70.6
1953	46.7	54.0	61.7	65.6	79.4	93.9	92.6	91.7	89.6	76.5	61.1	48.4	71.8
1954	46.0	58.2	57.1	75.8	73.4	89.7	94.7	92.7	87.9	70.6	58.7	46.4	70.9
1955	45.1	48.3	59.3	74.5	79.5	82.7	91.7	91.7	88.7	72.0	56.1	43.7	69.4
1956	41.7	49.7	58.2	67.5	79.8	86.8	88.7	89.2	83.9	77.4	58.8	53.1	69.6
1957	38.7	53.0	56.3	70.8	77.8	86.0	89.7	90.1	81.6	67.2	55.6	52.5	68.3
1958	41.5	39.0	48.8	68.3	78.5	84.3	86.8	87.9	80.4	72.4	62.5	42.1	66.0
1959	41.8	48.3	60.0	70.4	81.3	85.7	88.6	89.8	83.6	71.2	52.1	49.6	68.5
1960	44.0	41.9	42.5	73.1	76.3	86.3	88.0	90.6	87.9	72.9	59.1	41.5	67.0
1961	42.5	52.2	58.8	63.3	74.1	84.7	89.1	87.0	85.0	74.4	56.7	43.9	67.6
1962	40.2	51.4	52.0	67.0	87.3	86.0	90.4	90.1	78.3	73.8	56.5	43.9	68.1
MEAN	44.1	48.3	57.7	69.0	78.6	87.5	91.8	90.2	84.1	73.0	57.6	46.5	69.0

GREATEST MAXIMUM DAILY TEMPERATURE

76	78	93	92	101	106	112	113	108	96	88	74
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NUMBER OF DAYS OF 90 DEGREES AND ABOVE

MEAN	0	0	0	0	3	12	21	9	1	0	0
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CARBONDALE

AVERAGE MINIMUM TEMPERATURE

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
1910	M	21.5	45.0	45.0	51.5	58.0	68.3	62.8	60.1	47.0	30.1	22.2	M
1911	30.1	32.1	35.2	44.9	56.7	66.3	66.3	66.6	66.4	50.2	33.0	33.2	48.4
1912	13.9	21.1	30.0	47.8	57.2	57.6	67.7	64.7	57.5	44.5	35.4	27.1	43.7
1913	28.1	23.8	32.5	43.3	53.9	61.7	67.6	66.0	58.4	45.9	43.8	32.9	46.5
1914	32.6	22.0	34.1	46.6	53.9	67.5	68.2	67.2	59.0	48.9	37.5	24.6	46.8
1915	24.5	34.3	30.3	48.4	55.3	61.8	65.5	61.6	60.4	47.2	40.4	28.1	46.5
1916	26.6	27.2	32.2	45.1	57.2	60.6	69.2	69.5	56.8	44.0	36.5	24.1	45.7
1917	25.8	21.8	37.0	44.7	48.2	62.0	67.6	64.7	55.0	39.2	34.5	16.1	43.1
1918	9.0	27.4	39.3	43.8	59.4	64.3	62.0	69.8	49.6	50.4	36.4	35.3	45.6
1919	27.6	29.0	35.9	47.8	54.0	66.5	67.8	63.7	58.8	52.3	34.5	23.8	46.8
1920	22.9	27.2	36.3	42.7	54.9	60.3	63.8	61.5	58.5	47.3	33.1	31.3	45.0
1921	31.7	32.8	44.3	46.6	54.2	66.1	67.9	64.3	64.5	43.0	37.1	31.2	48.6
1922	22.1	30.0	38.2	46.8	56.3	63.2	64.2	62.1	56.4	44.7	37.0	27.7	45.7
1923	31.0	23.7	32.1	42.9	52.2	62.8	65.2	65.7	57.6	40.6	35.5	35.8	45.4
1924	18.6	26.1	31.5	47.3	49.0	64.0	61.6	65.5	52.7	45.6	37.0	23.5	43.5
1925	24.9	34.4	38.1	50.5	49.0	66.0	66.5	61.4	65.4	43.8	35.1	25.5	46.7
1926	25.8	33.3	31.9	40.0	55.6	59.3	65.8	67.2	61.9	48.6	31.9	27.0	45.7
1927	25.2	35.0	38.8	49.9	56.4	60.9	64.0	59.3	60.6	47.2	40.4	24.6	46.9
1928	26.6	30.7	35.0	42.0	53.3	59.7	67.6	66.9	50.9	50.0	39.0	28.8	45.9
1929	21.6	20.6	41.3	49.2	52.0	60.0	67.5	61.0	57.1	47.0	33.0	30.0	45.0
1930	19.6	35.9	33.8	48.9	55.3	60.5	67.2	63.6	61.1	44.7	37.3	28.3	46.4
1931	29.0	32.2	32.4	44.7	51.3	64.8	67.7	64.7	63.8	51.1	46.5	37.0	48.8
1932	34.0	36.4	31.6	47.1	53.6	64.8	68.0	65.6	57.2	45.5	32.0	27.0	46.9
1933	34.2	26.5	35.9	46.3	59.2	63.8	67.7	63.0	64.4	45.7	35.1	32.9	47.9
1934	30.0	22.1	32.6	45.5	54.3	67.0	71.0	67.9	56.9	47.2	40.1	28.3	46.9
1935	28.1	31.8	44.2	44.9	53.9	61.3	69.3	67.5	54.9	48.3	36.8	23.6	47.1
1936	19.8	19.1	39.9	41.2	55.3	60.8	71.1	70.1	64.5	47.6	31.7	30.5	46.0
1937	27.2	28.5	32.1	46.2	55.5	64.1	64.4	67.4	55.7	45.5	32.1	27.2	45.5
1938	26.6	37.3	44.3	47.9	56.3	62.4	67.2	68.3	58.1	44.0	35.0	26.7	47.8
1939	31.4	24.8	38.6	44.1	56.0	64.7	66.0	62.3	59.6	45.7	30.5	28.0	46.0
1940	9.2	27.1	33.8	43.8	49.7	61.2	62.5	63.0	49.9	45.0	32.2	35.6	42.8
1941	29.4	25.6	31.4	50.8	57.6	66.1	69.4	68.4	60.9	53.9	38.0	34.0	48.8
1942	23.0	27.7	38.1	48.7	54.8	65.3	69.0	65.3	58.0	48.2	40.5	27.8	47.2
1943	25.1	29.4	30.9	44.9	57.7	67.8	68.9	68.5	55.5	45.9	32.6	26.2	46.1
1944	28.5	31.0	33.8	45.8	60.1	67.0	65.4	67.2	59.7	45.8	40.6	23.5	47.4
1945	24.2	28.0	44.8	47.9	51.5	62.4	64.5	65.1	60.6	46.1	36.9	21.6	46.1
1946	27.2	30.9	46.8	49.3	54.3	64.8	66.8	64.0	58.1	48.5	40.0	34.5	48.8
1947	31.3	21.2	29.2	46.9	53.9	64.0	61.3	70.4	57.0	50.4	34.5	27.7	45.7
1948	16.4	M	M	48.5	51.6	60.5	65.4	62.7	56.8	M	38.4	32.2	M
1949	30.5	29.7	36.2	43.7	54.8	65.1	70.2	64.1	50.5	49.6	35.4	31.0	46.7
1950	32.4	30.5	33.5	41.9	56.8	62.8	62.4	62.4	58.1	50.8	30.8	22.1	45.4
1951	26.0	26.6	33.8	42.3	51.7	63.4	67.0	63.8	54.0	46.2	29.7	28.5	44.4
1952	30.6	32.3	34.1	43.3	53.7	67.5	66.7	63.3	51.0	36.0	34.4	31.1	45.3
1953	30.9	30.3	37.6	39.8	54.1	67.1	65.3	60.2	52.7	41.4	30.0	25.0	44.5
1954	24.0	32.7	32.6	49.1	48.3	63.0	68.4	67.6	55.3	45.3	32.5	29.5	45.7
1955	25.2	28.2	36.6	49.8	55.2	58.2	69.4	64.3	56.1	44.6	33.2	24.0	45.4
1956	20.6	33.2	35.5	41.0	53.0	61.6	66.4	65.3	53.2	46.1	34.8	34.4	45.4
1957	22.5	33.4	35.3	49.2	56.6	64.4	66.3	62.1	57.5	41.1	35.4	34.1	46.5
1958	24.9	18.1	32.4	44.9	53.7	60.0	68.2	65.7	57.3	43.0	37.3	22.4	44.0
1959	21.6	27.4	34.6	45.8	59.5	61.9	63.2	67.3	57.5	45.5	29.0	32.7	45.5
1960	29.4	25.8	22.1	46.1	50.8	61.5	63.6	65.4	58.6	45.5	32.4	23.0	43.7
1961	18.9	29.4	40.2	42.0	49.4	60.2	66.2	63.2	59.3	46.6	37.0	27.5	45.0
1962	21.2	30.2	32.9	42.9	61.8	63.1	66.2	62.4	56.1	50.8	33.8	21.2	45.2

MEAN 25.4 28.4 35.6 45.7 54.4 63.1 66.5 65.0 57.7 46.3 35.4 28.1 46.0

LOWEST MINIMUM DAILY TEMPERATURE

- 24 - 22 - 09 20 32 39 43 41 30 16 - 01 - 10

NUMBER OF DAYS OF 0 DEGREES AND BELOW

MEAN 1 0 0 0 0 0 0 0 0 0 0 0 0 1

CARBONDALE

PRECIPITATION

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	ANNUAL
1910	2.32	3.47	0.09	3.70	2.81	8.58	8.58	2.11	5.60	10.27	0.25	2.24	50.02
1911	0.55	2.79	1.85	10.59	1.47	2.24	2.60	8.01	5.70	3.69	3.34	2.50	45.33
1912	3.16	2.84	6.10	6.38	3.04	4.69	2.64	4.68	5.62	2.76	1.90	0.75	44.56
1913	8.70	0.79	7.63	3.00	2.10	2.62	3.35	1.37	2.74	5.73	3.44	2.05	43.52
1914	2.41	5.09	2.60	2.42	1.52	0.34	2.09	1.84	3.04	4.41	0.97	4.03	30.76
1915	4.53	2.17	0.92	0.77	8.19	7.91	4.42	10.96	3.58	0.41	2.16	6.58	52.90
1916	9.69	1.90	1.95	2.39	3.60	5.59	5.59	5.44	3.07	2.96	2.34	4.25	48.77
1917	4.24	0.89	4.41	3.00	6.98	3.48	5.20	4.19	0.92	2.87	3.12	1.54	45.84
1918	4.32	0.50	0.84	6.50	7.93	1.46	0.64	4.71	5.04	2.98	2.54	4.63	42.09
1919	0.87	1.52	4.28	3.56	7.73	3.41	2.33	2.87	3.72	10.11	5.63	0.90	46.93
1920	3.62	0.86	5.93	4.37	8.89	1.59	6.13	3.44	1.81	2.98	1.26	4.30	45.18
1921	2.98	2.28	4.62	4.59	2.24	3.01	1.41	10.73	8.51	1.18	9.56	3.36	54.67
1922	1.46	3.04	8.59	4.42	3.25	1.98	2.05	2.47	1.73	3.88	2.07	3.86	38.80
1923	3.25	3.52	4.58	3.64	7.41	1.80	0.48	6.78	4.21	3.39	2.65	4.60	46.31
1924	1.99	1.31	2.52	2.74	4.99	7.45	3.99	3.13	3.88	0.20	2.01	4.10	38.31
1925	1.56	2.55	2.90	2.93	1.80	6.93	3.16	0.72	6.29	5.68	4.51	1.01	40.04
1926	2.54	2.23	3.03	2.98	1.83	0.97	1.26	4.76	3.59	6.00	3.82	2.59	35.60
1927	4.42	0.82	6.47	9.63	8.09	2.98	6.02	2.24	6.80	2.47	5.96	4.70	60.60
1928	1.86	3.48	1.32	4.61	3.11	15.72	1.89	6.69	0.09	8.47	4.82	2.62	54.68
1929	5.26	2.48	2.77	5.56	7.19	6.41	5.24	3.57	5.90	2.00	2.94	5.57	54.89
1930	8.02	3.44	2.15	1.36	1.48	2.16	1.43	0.36	7.26	1.42	1.94	1.05	32.07
1931	0.78	2.97	3.38	4.36	6.28	0.34	2.99	5.28	3.88	4.94	7.96	4.75	47.91
1932	5.30	1.80	2.90	3.36	1.02	2.49	4.00	11.18	5.47	5.89	1.85	7.07	52.33
1933	4.40	2.46	4.93	5.01	10.29	0.23	3.41	3.02	2.67	2.34	0.84	1.95	41.55
1934	1.66	1.67	3.55	3.09	2.62	2.88	2.33	4.30	6.57	2.21	7.65	1.78	40.31
1935	3.12	1.51	9.52	4.14	7.07	15.95	2.28	2.08	3.19	3.52	3.34	1.03	56.75
1936	0.96	2.07	2.54	2.53	1.58	2.18	2.27	0.35	6.77	6.79	2.55	3.05	33.64
1937	13.02	1.64	1.04	4.66	4.44	7.86	4.64	1.28	4.11	4.27	2.44	2.93	52.33
1938	3.20	2.77	4.69	2.43	4.06	6.70	3.95	4.55	1.57	0.91	3.09	1.69	39.61
1939	5.01	5.07	4.37	7.76	1.94	5.22	1.74	2.55	0.77	0.95	1.90	2.14	39.42
1940	1.45	3.98	2.55	5.86	3.53	2.60	2.07	2.24	0.45	0.54	3.98	2.92	32.17
1941	2.45	0.87	2.08	2.95	2.00	0.76	1.02	2.78	2.72	8.45	3.72	3.46	33.26
1942	2.97	4.72	4.59	3.47	5.21	4.42	2.81	3.60	1.25	2.81	6.47	1.40	43.72
1943	0.10	1.41	5.01	3.60	8.68	4.76	3.62	1.46	5.61	1.83	2.37	1.68	40.13
1944	0.56	3.61	3.73	5.63	2.84	1.71	0.69	5.24	1.97	1.06	1.99	2.61	31.84
1945	2.07	7.61	12.00	10.14	3.22	11.24	3.12	7.20	9.28	3i35	3.97	1.30	74.50
1946	3.35	3.95	1.75	3.90	6.91	1.19	3.09	8.72	3.02	2.06	5.22	2.72	45.88
1947	2.43	0.46	2.65	6.12	3.75	3.12	1.41	3.74	3.60	3.75	2.44	5.31	38.78
1948	1.34	3.43	4.00	3.25	7.15	3.43	4.08	3.51	4.03	3.02	6.40	2.56	46.20
1949	10.15	3.21	6.99	1.60	2.44	3.54	2.60	4.16	4.19	9.79	0.32	5.92	54.91
1950	17.13	4.80	4.43	6.49	5.18	3.79	2.69	8.65	4.32	1.10	3.33	1.56	63.47
1951	4.90	5.35	2.98	3.15	1.00	9.60	4.27	3.64	5.72	3.00	6.27	3.62	53.50
1952	2.00	2.65	6.66	4.08	3.13	1.72	4.31	2.15	2.91	1.16	3.70	2.34	36.81
1953	3.42	1.14	6.56	3.88	4.29	2.79	2.34	0.70	0.44	2.55	1.06	0.98	30.15
1954	4.41	3.13	1.32	2.77	3.87	4.69	2.97	3.51	4.65	3.38	1.97	6.68	43.35
1955	0.49	2.82	5.74	2.88	5.20	4.09	2.16	0.88	0.91	3.81	2.08	0.27	31.33
1956	1.49	6.65	2.31	2.64	4.02	3.18	6.52	2.96	2.49	1.84	3.08	3.01	40.19
1957	3.54	3.92	2.98	10.69	12.59	3.72	2.59	1.33	2.51	1.91	6.41	5.63	57.82
1958	2.32	1.59	3.99	5.21	3.88	5.08	13.53	4.03	2.14	1.70	6.35	0.74	50.56
1959	3.38	2.48	3.81	2.16	5.27	2.33	2.34	8.02	5.89	3.19	2.31	4.44	45.62
1960	2.37	2.36	2.46	2.78	5.47	4.10	1.15	3.83	0.88	2.25	3.68	3.78	35.11
1961	1.40	4.55	5.42	4.36	10.16	5.00	6.88	2.14	0.82	0.50	6.49	4.30	52.02
1962	4.93	4.68	4.04	2.27	3.45	3.54	1.38	2.87	2.84	2.76	1.09	2.90	36.75

MEAN 3.66 2.82 3.98 4.37 4.68 4.26 3.32 4.02 3.71 3.42 3.46 3.10 44.80

MAXIMUM 24-HOUR AMOUNT

4.78 3.30 4.24 3.80 5.77 5.57 3.50 5.04 3.70 4.42 4.08 3.42

DAYS WITH 0.10 INCH OR MORE

MEAN 6 6 7 8 8 7 5 6 5 5 6 6 75

CARBONDALE

SNOWFALL

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
1910	M	14.3	0	3.0	0	0	0	0	0	0	0	5.0	M
1911	T	2.0	8.2	0	0	0	0	0	0	0	0.9	0	11.1
1912	18.7	13.9	16.9	0	0	0	0	0	0	0	0	0.5	50.0
1913	2.2	4.9	2.2	0	0	0	0	0	0	0.3	T	6.9	16.5
1914	3.0	11.0	5.7	0	0	0	0	0	0	0	T	3.6	23.3
1915	0.8	1.0	T	0	0	0	0	0	0	0	T	6.6	8.4
1916	6.0	4.5	3.4	T	0	0	0	0	0	0	0.4	9.1	23.4
1917	5.4	7.5	0.5	T	0	0	0	0	0	T	T	12.8	26.2
1918	25.3	T	0	0	0	0	0	0	0	0	0	0.4	25.7
1919	0.6	1.2	T	0	0	0	0	0	0	0	0	T	1.8
1920	0.3	1.9	1.0	1.0	0	0	0	0	0	0	T	T	4.2
1921	2.5	6.3	0.1	0	0	0	0	0	0	0	0	0.5	9.4
1922	2.9	T	2.0	0	0	0	0	0	0	0	T	0.2	5.1
1923	T	0.9	T	0	0	0	0	0	0	0	0	T	0.9
1924	2.3	3.5	14.3	0	0	0	0	0	0	0	T	2.6	22.7
1925	5.8	0.6	0.6	0	0	0	0	0	0	4.0	0	0.6	11.6
1926	8.9	2.0	T	0	0	0	0	0	0	T	3.0	7.6	21.5
1927	2.1	1.8	5.3	T	0	0	0	0	0	0	0	T	9.2
1928	0.5	3.7	4.5	T	0	0	0	0	0	0	T	T	8.7
1929	0.8	10.9	0	0	T	0	0	0	0	0	4.0	9.4	25.1
1930	8.9	0.5	1.0	0	0	0	0	0	0	T	T	1.0	11.4
1931	1.8	0	0.8	0	0	0	0	0	0	0	T	0	2.6
1932	T	T	1.4	0	0	0	0	0	0	0	6.5	5.8	13.7
1933	0	2.7	0.1	0	0	0	0	0	0	0	0	0.8	3.6
1934	0.7	5.2	3.1	0	0	0	0	0	0	0	0	0.6	9.6
1935	T	T	T	0	0	0	0	0	0	0	0	0	4.6
1936	1.5	9.2	0.5	0.2	0	G	0	0	0	0	1.3	1.1	13.8
1937	7.0	3.3	0.9	0	0	0	0	0	0	0	3.2	T	14.4
1938	0.6	T	0	0.5	0	0.	0	0	0	0	0.9	T	2.0
1939	3.8	13.5	T	0	0	0	0	0	0	0	0	9.8	27.1
1940	7.0	7.0	3.2	1	0	0	0	0	0	0	T	0	17.2
1941	T	1.4	0.4	0	0	0	0	0	0	0	0.2	0.9	2.9
1942	2.7	3.9	3.1	0	0	0	0	0	0	0	0	3.7	13.4
1943	T	0.8	5.5	T	0	0	0	0	0	0	T	0.3	6.6
1944	0.8	2.0	1.0	0	T	0	0	0	0	0	T	2.0	5.8
1945	6.2	1.0	0	0	0	0	0	0	0	0	T	8.5	15.7
1946	0.5	T	0	0	0	0	0	0	0	0	0	0.4	0.9
1947	0.3	4.5	9.7	0	0	0	0	0	0	0	0	M	M
1948	5.0	M	M	0	0	0	0	0	0	M	0	M	M
1949	2.0	M	4.5	0	0	0	0	0	0	0	T	T	M
1950	M	M	T	0	0	0	0	0	0	0	2.3	9.0	M
1951	8.1	T	2.0	0	0	0	0	0	0	0	6.0	M	M
1952	T	1.0	M	0	T	0	M	0	0	0	1.0	1.6	M
1953	0.7	T	M	T	0	0	0	0	0	0	T	T	M
1954	8.7	0	T	0	0	0	0	0	0	0	T	0.3	9.0
1955	4.5	M	0.5	0	0	0	0	0	0	0	0	0.7	M
1956	M	M	M	M	0	M	M	M	M	M	M	M	M
1957	M	M	M	M	M	M	M	M	M	M	M	M	M
1958	0.6	3.6	6.3	0	0	0	0	0	0	0	7.8	1.0	19.3
1959	2.0	T	T	0	0	0	0	0	0	0	1.3	T	3.3
1960	T	7.0	19.2	0	0	0	0	0	0	0	0	2.5	28.7
1961	6.1	8.9	T	T	0	0	0	0	0	0	T	4.0	19.0
1962	3.8	0.4	T	T	0	0	0	0	0	0	0	2.0	6.2
MEAN	3.5	3.6	2.7	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.8	2.6	13.4

MAXIMUM SNOW DEPTH ON GROUND, INCHES

20	9	12	3	0	0	0	0	0	0	3	6	9
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