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LOCAL CLIMATOLOGICAL DATA 1901 -1962 CHARLESTON

ISWS Illinois State Water Survey
MP-18 LOCAL CLIMATOLOGICAL
Archive DATA FOR CHARLESTON, IL
SWS0960 1901-1962

CLIMATOLOGICAL SUMMARY

Charleston is an agricultural and educational center, the home of Eastern Illinois University, and is the county seat for Coles County. Charleston is located on the broad Shelbyville Moraine which separates the physiographic areas known as the Bloomington Ridged Plain and the Springfield Plain. The surrounding topography is primarily a flat plain with no major hills or deep valleys. The topography has no effect on the weather or climate of Charleston.

The climate is classified as humid continental with warm to hot summers and cool to cold winters. Large variations in temperature and precipitation occur between months and years. Approximately 25 frontal passages occur a year, and these usually are accompanied by rather significant changes in weather conditions.

Average annual precipitation is 38.43 inches. The most recorded in a single year was 56.83 inches (1945) and the least 25.40 inches (1914). Thunderstorms normally account for 40 percent of the annual precipitation, and snowfall for an additional 4 percent. Precipitation in the warmer half-year (April-September) is usually 58 percent of the annual total. May is normally the wettest month, and February the driest. The heaviest 24-hour rainfall on record is 6.50 inches on June 28, 1957.

The average annual number of days with thunderstorms is 44. Normally hail occurs on 2 or 3 days per year, sleet on 6 days, and freezing rain on 2 days. Days with snowfalls of 1 inch or more occur 6 times a 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 110 degrees on July 14, 1936, and the lowest is -24 degrees on January 24, 1915. On the average, 41 days per year have maximum temperatures of 90 degrees or higher, and 5 days have minimums of 0 degrees or lower.

Normally the last spring day with a freezing temperature is April 23 and the first freezing temperature in the fall occurs on October 19, producing a growing season of 178 days. Ten percent of the time the first freezing fall temperature will occur before October 3, and the last spring freeze after May 10. The average annual number of heating degree days is 5270.

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 Charleston, 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.

CHARLESTON

AVERAGE TEMPERATURE

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
1901	31.5	26.2	41.8	M	62.6	M	M	M	M	M	38.2	27.0	M
1902	29.2	20.5	44.3	50.4	69.2	71.8	77.4	72.4	65.1	58.9	51.5	30.1	53.4
1903	28.4	29.5	47.8	53.1	68.0	67.9	76.8	73.0	66.8	56.4	40.1	26.1	52.8
1904	22.7	25.1	41.6	48.4	63.9	71.3	74.4	73.1	69.0	55.6	43.5	31.5	51.7
1905	23.1	21.6	47.7	53.6	65.7	74.6	74.9	76.3	69.9	55.6	43.3	32.8	53.3
1906	35.9	28.3	31.6	57.3	65.3	70.9	73.8	76.8	71.1	54.9	41.3	34.8	53.5
1907	34.5	31.4	50.0	44.1	58.0	68.5	76.5	73.1	66.3	53.6	39.6	34.8	52.5
1908	31.6	30.0	47.2	53.5	64.9	71.6	76.1	75.0	70.9	55.5	45.1	34.9	54.7
1909	32.3	36.0	41.5	52.7	60.9	73.4	73.3	76.8	65.0	51.6	52.5	24.3	53.4
1910	29.5	28.5	52.6	53.3	58.6	69.9	75.3	72.3	67.5	57.9	39.0	27.7	52.7
1911	32.9	36.6	42.6	51.3	69.6	76.5	77.0	74.3	70.8	55.1	38.0	36.5	55.1
1912	17.3	24.4	32.6	55.7	65.8	68.6	76.0	72.9	63.0	58.0	43.4	35.1	51.5
1913	34.0	27.9	40.4	53.0	66.3	76.4	80.1	M	M	52.2	48.9	37.6	M
1914	35.8	23.9	39.4	53.5	66.5	79.2	80.8	77.2	67.2	58.2	45.5	25.6	54.4
1915	25.3	38.4	36.7	59.5	61.2	69.2	72.1	67.8	69.5	58.1	46.6	31.2	52.9
1916	33.1	29.7	40.5	51.1	65.8	68.5	81.0	78.2	65.9	55.5	46.2	30.0	53.8
1917	31.8	27.6	44.2	52.1	56.9	69.7	75.6	71.7	65.6	47.7	43.7	22.9	50.8
1918	13.7	33.0	46.1	47.8	70.0	73.8	74.0	79.6	60.0	58.6	43.1	40.1	53.3
1919	33.5	33.5	44.4	54.8	61.0	76.4	79.5	74.2	71.2	60.5	42.0	26.5	54.8
1920	23.5	31.8	43.4	48.1	62.5	72.3	75.4	73.7	70.2	60.9	41.8	33.6	53.1
1921	35.0	38.2	52.2	56.1	65.4	77.3	80.9	74.4	72.7	56.5	44.6	36.1	57.5
1922	26.4	34.3	44.8	55.6	66.9	74.5	75.6	75.6	71.8	59.6	45.6	34.0	55.4
1923	35.5	27.3	40.8	52.1	61.5	72.4	76.9	74.9	67.3	52.0	44.9	42.5	54.1
1924	23.1	31.3	37.3	55.9	56.9	71.6	72.9	75.2	62.7	61.6	44.4	27.7	51.7
1925	28.1	38.9	44.9	59.9	60.8	76.3	76.3	74.5	75.0	47.5	41.1	30.0	54.4
1926	30.6	35.8	M	47.1	66.2	68.5	78.6	77.2	69.9	55.9	39.1	30.2	M
1927	26.7	40.3	45.7	54.4	62.9	68.3	75.3	69.5	72.7	60.5	47.5	30.5	54.5
1928	30.6	34.6	42.6	49.2	63.6	66.8	77.5	77.2	67.3	58.0	44.8	35.7	54.0
1929	25.3	26.6	49.8	57.1	61.4	71.1	78.3	73.3	67.3	55.3	39.0	31.4	53.0
1930	23.8	42.3	41.0	57.4	65.4	72.4	80.7	77.2	70.9	54.7	44.6	32.8	55.3
1931	34.4	39.2	38.2	55.0	61.0	76.1	80.7	75.6	73.7	60.8	52.9	41.5	57.4
1932	38.1	41.2	36.2	55.0	65.0	75.3	79.2	76.6	68.8	56.9	38.0	32.8	55.3
1933	40.0	32.0	42.8	53.9	66.6	79.3	80.2	74.8	75.6	56.3	43.0	37.6	56.8
1934	35.3	27.3	39.4	54.3	68.5	81.0	82.7	75.9	67.1	59.4	47.7	30.1	55.8
1935	32.1	35.7	49.5	50.8	59.2	69.2	79.8	76.8	67.7	57.1	42.6	26.4	53.9
1936	22.4	22.7	46.0	49.7	67.2	74.2	84.9	81.4	71.5	55.9	40.0	35.8	54.3
1937	31.2	30.9	39.1	52.5	64.5	71.9	74.9	77.0	65.8	53.5	39.6	29.5	52.5
1938	24.4	40.3	44.5	55.2	63.2	71.6	77.2	77.0	70.1	59.9	45.3	33.4	56.0
1939	35.7	32.0	44.4	50.3	67.0	74.5	76.9	73.5	73.1	58.9	42.8	36.6	55.5
1940	16.5	32.3	40.2	52.0	60.8	74.0	77.5	77.0	66.4	60.6	41.4	37.6	53.0
1941	32.4	29.3	37.6	57.9	68.0	74.8	77.4	76.6	70.6	60.2	45.2	38.7	55.7
1942	30.4	29.9	46.5	58.5	63.8	73.6	76.9	73.9	67.0	58.4	46.7	28.7	54.5
1943	30.6	36.8	38.5	52.2	63.5	76.5	78.4	78.8	65.4	56.3	40.6	30.0	54.0
1944	34.7	35.3	39.2	52.1	69.0	M	M	M	M	M	M	26.6	M
1945	25.5	34.1	52.2	54.5	56.4	67.8	M	M	M	M	M	M	M
1946	M	36.5	54.9	56.7	60.8	73.3	76.5	70.6	67.9	61.1	46.6	37.3	M
1947	34.0	25.8	35.4	53.4	60.5	69.6	72.5	82.5	68.9	63.7	38.7	34.7	53.3
1948	24.3	32.9	43.0	57.8	62.4	73.1	76.1	75.3	69.6	54.0	46.4	36.4	54.3
1949	32.5	35.9	42.8	53.3	66.9	75.5	80.5	74.7	63.2	60.0	45.6	38.2	55.8
1950	40.4	33.7	40.4	48.6	67.0	72.9	73.6	72.0	M	61.4	41.3	23.2	M
1951	31.5	33.4	38.4	51.6	M	70.9	76.1	74.7	64.6	59.0	37.1	31.5	M
1952	33.9	38.0	41.1	53.4	64.1	78.5	78.7	74.1	M	50.5	43.1	35.3	M
1953	34.4	37.7	43.6	50.2	64.0	77.9	M	75.7	70.1	60.6	45.3	34.2	M
1954	31.6	38.7	39.0	57.6	58.2	77.0	80.8	75.9	72.2	57.3	42.9	32.7	55.2
1955	23.4	31.1	40.6	58.8	65.0	67.6	80.1	77.5	70.1	56.3	38.2	28.0	53.5
1956	26.7	32.3	40.7	50.9	65.0	73.4	74.4	74.3	66.4	61.6	41.6	37.9	53.8
1957	24.4	37.4	41.6	54.4	62.7	72.6	76.9	74.4	65.3	51.6	41.2	37.5	53.3
1958	28.5	25.0	36.4	52.9	62.5	67.6	73.5	73.7	67.0	55.9	45.8	26.4	51.3
1959	24.3	32.2	41.9	53.1	66.8	74.6	75.9	77.3	68.7	54.8	36.1	36.9	53.6
1960	29.8	28.0	24.3	56.7	61.0	72.0	75.2	77.1	73.4	58.3	44.5	27.5	52.3
1961	26.9	36.3	45.5	49.4	59.8	71.4	76.5	74.2	71.8	58.5	44.3	30.8	53.8
1962	23.2	34.6	38.9	52.9	71.9	73.9	75.3	75.2	66.5	60.4	44.2	28.5	53.8
MEAN	29.6	32.3	42.3	53.3	63.9	72.9	77.1	75.2	68.7	57.1	43.3	32.4	54.0

CHARLESTON

AVERAGE MAXIMUM TEMPERATURE

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
1901	30.1	34.0	49.2	51.5	72.0	81.6	87.9	81.6	74.7	68.8	57.9	35.1	61.8
1902	30.3	34.2	51.5	59.8	79.0	81.6	87.9	81.6	74.7	68.8	57.9	35.1	61.8
1903	34.2	35.4	56.3	62.7	78.3	78.0	87.2	81.8	77.8	66.2	47.8	33.8	61.7
1904	22.9	32.4	48.5	57.4	73.4	81.2	85.4	84.1	78.9	65.9	33.4	38.9	60.9
1905	29.5	29.3	56.4	63.7	75.1	85.5	94.2	87.1	80.0	65.1	53.0	39.5	62.4
1906	32.4	37.3	57.3	62.6	77.4	80.9	86.7	87.9	82.1	65.5	50.2	41.9	63.2
1907	41.9	39.4	58.8	53.8	69.3	79.4	86.9	83.3	77.0	64.6	49.4	40.7	62.0
1908	39.4	36.7	57.1	53.6	74.5	82.3	87.1	87.5	85.1	69.1	55.0	43.8	65.2
1909	39.9	44.7	59.5	63.2	71.6	84.2	93.1	89.4	75.5	62.7	61.9	32.1	63.4
1910	35.9	37.9	54.7	64.8	69.1	82.4	86.7	83.2	77.0	69.7	49.4	35.7	62.9
1911	41.2	44.5	54.3	61.4	82.5	89.4	99.9	85.7	80.0	64.3	46.0	42.8	65.2
1912	22.2	31.8	50.5	66.2	76.5	80.1	85.5	82.8	72.7	71.3	53.0	44.5	61.4
1913	41.6	39.7	58.4	63.3	78.5	79.5	93.1	M	M	62.9	57.8	43.9	M
1914	43.5	33.4	48.8	64.0	80.3	83.2	86.2	89.8	79.0	68.9	57.4	32.8	65.6
1915	34.6	45.5	45.4	71.3	71.6	79.5	82.4	76.6	80.1	70.9	57.9	38.3	62.8
1916	42.8	39.1	51.9	62.9	78.1	80.4	84.8	91.1	79.2	69.4	57.5	40.4	65.6
1917	42.1	38.8	55.6	62.9	69.0	81.7	88.0	84.3	79.4	60.1	56.0	32.2	62.3
1918	23.6	43.5	59.2	56.7	82.1	87.9	86.8	91.9	72.4	59.5	52.5	49.1	64.6
1919	43.5	43.0	55.3	66.5	71.6	87.5	93.7	87.0	85.3	71.2	51.1	35.5	65.9
1920	31.6	40.0	54.0	53.2	73.6	85.3	98.3	86.3	82.1	74.0	59.9	41.2	63.4
1921	42.5	46.1	64.2	67.9	77.6	88.6	94.3	85.1	82.8	68.3	54.0	43.8	67.9
1922	36.9	42.5	54.3	66.5	78.2	87.7	87.6	89.5	86.7	72.8	55.1	43.7	66.3
1923	42.2	36.1	52.7	64.5	73.0	83.7	83.5	86.6	77.4	63.9	54.6	51.3	64.6
1924	32.7	39.5	44.9	64.3	68.8	82.3	85.6	87.3	74.3	75.7	54.5	36.5	62.5
1925	37.6	49.9	57.8	73.5	75.5	88.3	89.4	88.0	87.1	56.2	50.2	38.8	66.0
1926	33.6	43.3	M	53.4	79.8	81.0	92.3	88.1	79.1	65.5	48.5	37.4	M
1927	34.3	50.8	54.6	64.7	75.3	79.4	88.3	82.0	84.9	74.7	57.9	40.3	65.5
1928	32.9	42.4	53.3	61.2	77.8	77.7	89.8	89.5	81.0	69.5	52.6	44.5	64.9
1929	35.7	35.9	61.1	68.4	72.6	83.4	89.7	87.3	80.2	66.2	47.8	39.5	64.0
1930	32.5	51.4	52.1	70.3	77.5	86.9	94.4	91.1	83.5	66.5	54.2	40.0	66.6
1931	42.8	48.5	46.9	67.3	72.7	88.6	94.1	87.7	86.1	71.8	62.9	49.0	68.2
1932	45.0	51.2	47.1	57.4	77.9	88.1	93.5	90.0	82.7	69.4	49.7	42.2	67.0
1933	49.5	43.1	52.9	65.4	77.1	94.3	94.6	89.2	89.5	59.0	54.0	46.5	68.7
1934	43.4	37.3	50.5	67.9	83.9	95.9	96.5	88.0	77.9	73.3	56.4	36.9	67.3
1935	40.6	43.7	59.3	60.3	68.9	79.3	91.2	87.6	80.4	67.5	50.3	34.0	63.6
1936	39.7	32.2	56.5	61.3	73.6	89.0	94.4	82.6	86.0	66.0	50.0	44.2	65.4
1937	40.1	34.9	48.6	63.0	75.5	82.4	86.9	88.4	78.3	63.3	49.6	36.0	62.6
1938	37.6	47.8	29.4	65.2	75.6	82.6	89.6	87.8	81.2	73.5	56.1	41.9	66.4
1939	43.7	41.4	55.0	60.7	74.8	84.1	87.7	84.7	86.3	71.7	52.9	45.7	66.1
1940	24.0	37.9	49.3	62.9	71.8	84.8	80.1	88.6	79.4	72.4	50.1	44.9	63.1
1941	38.8	37.7	48.1	69.2	80.1	85.5	89.3	89.0	81.7	69.2	53.9	45.3	65.7
1942	37.8	37.1	56.9	70.6	75.7	83.3	86.3	83.4	77.7	70.3	56.1	36.3	64.3
1943	38.9	43.5	49.4	64.1	72.8	86.3	90.4	91.0	77.9	68.1	56.1	38.4	64.7
1944	42.9	44.9	43.3	61.2	72.3	M	M	M	M	M	M	34.9	M
1945	33.3	42.9	51.1	64.2	69.4	79.0	M	M	M	M	M	M	M
1946	M	46.5	55.0	69.1	79.1	84.2	88.2	81.3	80.7	74.5	55.7	45.8	M
1947	41.3	34.0	43.9	65.7	71.7	78.3	84.0	94.5	80.2	75.9	45.4	42.4	63.0
1948	33.7	42.1	52.7	63.5	74.2	84.6	86.4	88.1	80.9	65.7	55.2	44.2	64.7
1949	39.5	45.1	53.0	64.3	79.7	86.1	90.0	85.5	76.1	70.5	56.0	47.6	68.2
1950	42.7	42.5	52.2	59.2	79.5	84.5	85.6	84.4	M	73.2	50.3	32.0	M
1951	39.4	41.9	46.6	61.3	M	81.5	87.0	86.8	76.9	70.7	45.3	39.6	M
1952	42.1	46.3	50.7	65.2	75.0	90.2	89.8	86.6	M	65.3	52.2	41.6	M
1953	41.0	47.4	53.1	60.4	75.0	89.9	M	89.3	85.9	75.1	56.0	43.1	M
1954	40.3	48.7	43.2	68.9	69.8	89.3	94.2	97.1	85.7	67.5	52.9	39.2	66.0
1955	37.0	40.4	50.9	70.1	76.6	77.4	90.9	90.5	85.2	68.0	48.0	37.4	64.4
1956	36.3	39.7	51.9	61.4	71.2	85.6	89.4	88.2	82.5	77.0	53.0	45.0	65.2
1957	32.6	45.0	51.9	63.7	74.1	83.3	87.9	87.4	77.7	63.5	50.7	46.9	63.7
1958	36.7	39.1	43.4	65.1	75.4	79.7	83.1	85.0	78.7	69.3	55.8	36.0	62.0
1959	33.2	41.2	53.1	65.3	77.1	87.2	88.3	88.1	81.6	66.2	45.6	43.7	64.2
1960	36.7	35.0	33.5	68.3	72.4	81.7	85.6	87.9	84.7	69.7	53.6	35.2	61.9
1961	35.5	45.5	53.7	59.6	71.1	82.6	87.2	84.5	83.2	68.9	52.1	37.9	63.4
1962	31.2	43.6	46.8	63.6	83.1	82.1	86.1	86.8	77.2	70.7	52.5	36.9	63.6
MEAN	37.9	41.0	52.2	64.4	75.3	84.4	89.0	87.0	83.7	68.8	52.7	40.3	64.5

GREATEST MAXIMUM DAILY TEMPERATURE

	71	75	79	82	86	90	94	97	100	104	108	112	116
MEAN	0	0	0	3	2	8	15	11	5	0	0	0	41

QUABLETON

AVERAGE MINIMUM TEMPERATURE

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
1901	24.4	14.2	14.1	M	52.6	M	M	M	M	M	29.3	21.7	M
1902	22.3	12.4	14.8	49.6	59.0	61.6	66.6	62.3	55.1	48.8	45.0	25.0	44.7
1903	22.1	22.4	39.0	43.1	57.4	57.3	66.1	63.5	55.3	46.0	31.9	17.7	43.5
1904	15.1	17.3	34.1	39.7	54.0	61.3	63.1	61.5	58.7	45.0	33.1	23.7	42.1
1905	15.3	13.2	33.4	43.1	55.9	63.2	65.1	65.2	59.3	45.7	33.3	25.8	43.7
1906	27.7	19.4	28.7	45.6	52.6	60.4	60.5	65.1	59.7	43.7	31.9	27.3	43.4
1907	26.6	22.9	49.7	33.9	46.6	57.1	65.5	62.3	55.1	42.1	28.9	28.5	42.5
1908	22.7	22.7	36.4	42.9	54.7	59.3	64.3	62.0	56.3	41.2	34.7	25.3	43.7
1909	24.3	26.5	31.9	41.2	49.8	62.2	63.0	63.8	53.1	39.3	42.5	16.1	42.9
1910	22.7	13.2	32.9	41.5	47.5	56.8	65.5	60.8	57.3	45.8	28.0	19.2	42.0
1911	24.0	24.4	37.8	40.5	56.1	63.1	63.5	62.2	61.0	45.5	29.5	29.3	44.5
1912	17.7	16.4	24.3	44.1	54.5	57.3	66.1	62.4	37.0	43.9	33.4	25.3	41.1
1913	23.6	13.3	29.6	41.6	53.3	62.1	66.7	M	M	43.2	37.5	30.8	M
1914	27.9	15.2	29.0	42.4	52.3	64.5	64.8	64.0	55.0	47.2	33.2	18.0	42.7
1915	15.7	31.0	27.5	45.0	50.3	58.3	62.0	58.4	58.5	44.3	34.9	23.7	42.5
1916	22.9	19.7	21.5	38.7	53.2	56.1	66.6	64.9	51.9	41.2	34.2	19.1	41.4
1917	21.0	16.0	32.3	40.8	44.2	57.2	62.8	58.6	51.4	34.9	32.9	13.1	38.8
1918	17.3	21.7	23.2	33.5	52.3	59.4	69.6	65.7	47.1	47.5	33.3	31.0	41.5
1919	23.0	23.9	33.1	42.5	49.7	64.5	64.7	60.8	56.6	49.4	32.4	17.2	43.2
1920	14.3	23.1	32.2	37.6	51.0	59.7	61.9	60.5	57.6	47.5	32.2	25.6	41.9
1921	27.4	23.5	39.7	43.9	52.5	65.4	67.1	63.2	62.1	44.2	34.8	27.9	46.5
1922	15.3	25.3	35.0	44.2	54.9	60.3	63.2	61.3	56.6	46.1	35.2	23.7	43.5
1923	28.2	19.6	24.5	39.1	49.5	61.5	64.0	62.6	56.8	39.6	34.6	33.2	43.1
1924	12.5	27.6	29.2	42.7	44.5	60.3	59.0	62.6	50.7	45.7	33.6	18.3	46.2
1925	15.1	27.9	31.7	46.5	44.5	63.7	62.7	50.6	52.6	39.2	31.4	20.7	42.3
1926	27.1	27.6	28.6	35.2	52.1	55.5	64.3	65.9	60.3	45.7	29.3	22.5	42.2
1927	19.9	29.8	36.1	43.7	51.2	56.3	61.8	56.5	59.9	46.0	36.8	20.4	43.1
1928	20.2	25.2	31.3	38.9	48.8	55.5	64.6	64.3	49.5	47.0	36.2	26.3	42.2
1929	14.4	16.4	28.0	43.4	49.6	58.2	63.3	58.8	54.7	44.1	29.7	22.9	41.6
1930	14.7	22.5	29.5	44.1	52.7	59.4	66.5	62.9	57.9	42.2	34.6	25.2	43.4
1931	25.8	29.4	29.9	42.4	49.7	63.2	66.6	63.0	60.7	49.3	42.6	33.5	46.2
1932	29.7	36.2	25.0	42.0	51.5	62.1	64.5	62.6	54.4	44.1	26.7	23.2	43.1
1933	39.1	20.3	32.0	42.0	55.7	63.7	65.2	63.9	51.2	43.2	31.2	28.3	44.5
1934	26.7	16.3	27.7	41.1	22.6	65.6	64.5	63.4	55.8	46.0	38.5	22.9	43.4
1935	21.3	21.1	32.0	40.3	49.2	58.5	67.3	65.4	54.6	46.2	34.4	18.3	43.7
1936	13.0	12.5	35.1	37.9	54.5	59.0	70.3	68.0	59.8	45.3	29.6	26.9	42.7
1937	21.4	22.5	31.9	41.5	52.9	61.0	62.5	65.3	52.9	42.9	29.2	22.5	42.0
1938	28.0	32.4	31.2	44.7	51.6	59.9	65.2	65.4	58.6	45.9	34.0	24.5	45.2
1939	27.2	21.3	33.2	39.3	54.7	54.5	65.3	61.8	59.3	45.5	32.4	27.1	44.4
1940	17.5	25.3	32.7	49.6	43.3	62.8	64.4	64.4	52.7	47.8	32.2	29.8	42.5
1941	25.4	29.3	28.6	46.1	53.5	63.4	64.9	63.5	59.1	50.7	35.8	31.7	45.3
1942	23.3	22.3	35.3	43.3	53.3	63.5	66.9	63.7	55.4	46.1	36.9	20.6	44.3
1943	21.0	24.4	27.2	39.9	53.5	66.2	65.9	64.1	52.5	44.0	30.5	21.2	42.8
1944	29.0	29.1	28.2	41.8	56.1	M	M	M	M	M	M	17.1	M
1945	17.2	24.6	43.4	44.3	46.8	55.0	M	M	M	M	M	M	M
1946	M	26.0	43.6	43.7	51.0	61.9	54.2	59.2	54.5	47.1	37.1	28.2	M
1947	25.7	17.0	46.4	42.4	48.8	59.9	60.4	69.9	57.0	50.9	31.3	26.5	43.0
1948	14.4	33.2	32.8	46.4	50.2	60.9	65.1	62.0	57.7	41.8	37.1	28.1	43.3
1949	25.1	25.4	37.3	41.2	53.6	64.5	70.3	63.5	49.8	49.0	34.7	28.1	44.9
1950	23.2	24.2	37.3	37.9	54.3	60.7	61.0	59.1	M	48.9	31.9	14.1	M
1951	23.3	24.3	46.0	41.2	M	54.3	64.0	62.1	52.9	46.8	28.4	22.9	M
1952	25.3	29.7	30.5	41.2	52.0	66.4	67.2	61.1	M	35.2	33.5	28.5	M
1953	27.5	27.5	33.8	39.4	52.5	65.3	M	61.6	53.8	45.7	34.0	24.6	M
1954	22.4	23.4	27.2	45.8	46.1	64.1	67.0	64.3	58.3	46.7	32.5	25.5	44.0
1955	19.6	21.2	29.7	47.1	53.0	57.1	64.5	64.1	55.1	44.2	28.0	18.2	42.1
1956	14.7	24.3	27.8	38.2	52.5	60.7	62.8	61.7	50.2	45.8	30.3	30.4	41.9
1957	15.5	29.4	31.0	44.9	51.1	61.4	64.5	61.0	52.4	39.1	31.3	27.5	42.4
1958	20.0	14.4	32.7	40.3	49.0	55.0	63.9	62.1	54.9	42.2	35.0	16.1	40.1
1959	14.4	22.8	30.3	43.3	50.2	60.0	62.3	66.0	55.2	42.9	26.3	29.5	42.3
1960	23.1	24.3	14.5	44.7	51.3	61.4	64.2	65.8	61.6	46.5	35.0	19.2	42.4
1961	17.9	27.7	35.9	39.5	48.0	59.7	65.0	63.5	59.7	47.4	35.9	23.2	43.7
1962	14.6	25.0	30.4	41.5	60.3	62.3	64.0	63.2	55.5	49.5	35.5	19.4	43.5
MEAN	20.7	23.1	31.9	41.4	51.7	60.8	64.7	62.9	56.1	44.9	33.4	24.0	43.0

LOWEST MINIMUM DAILY TEMPERATURE

- 24 - 23 - 14 - 12 - 26 - 35 - 45 - 39 - 26 - 11 - 02 - 20

NUMBER OF DAYS OF 0 DEGREES AND BELOW

MEAN 3 1 0 0 0 0 0 0 0 0 0 0 1 5

CHARLESTON

PRECIPITATION

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	ANNUAL
1901	1.39	2.30	3.82	2.09	2.87	5.71	0.35	1.91	0.56	2.62	1.67	3.17	29.41
1902	0.97	1.96	3.77	2.33	3.46	7.78	3.78	4.24	4.93	1.99	2.52	3.94	41.72
1903	1.65	2.97	1.77	4.41	0.63	5.55	5.32	5.57	1.94	2.68	1.47	2.04	36.03
1904	3.72	1.20	9.42	4.54	4.30	1.96	3.67	4.93	5.80	0.80	0.18	1.54	43.06
1905	1.22	1.49	1.90	3.00	4.24	1.78	7.19	1.53	2.31	5.53	1.85	2.36	34.95
1906	3.31	1.54	4.90	1.32	3.12	2.98	2.92	1.96	4.16	1.41	4.34	3.68	35.56
1907	4.72	0.34	4.42	2.35	2.79	3.75	7.10	3.59	0.72	2.19	2.60	3.42	37.99
1908	1.28	5.10	3.02	3.80	6.96	3.42	2.94	0.85	1.10	0.18	3.51	1.38	33.37
1909	2.21	4.59	2.35	7.83	3.24	4.04	9.05	1.12	3.35	2.80	3.14	2.63	46.05
1910	2.01	2.92	0.40	2.09	3.99	2.43	7.37	3.75	3.31	4.53	3.42	1.14	37.71
1911	3.46	1.62	2.31	5.30	0.52	1.74	1.47	3.19	10.25	3.54	2.84	1.77	38.01
1912	1.24	2.26	4.25	4.29	3.15	3.07	6.36	4.47	3.57	1.94	1.22	1.51	37.53
1913	4.93	1.42	7.21	2.65	0.61	1.42	0.75	1.35	3.45	4.63	3.89	0.64	32.95
1914	2.41	2.35	1.17	2.47	0.71	0.82	1.54	6.16	1.05	4.02	1.10	1.60	25.40
1915	2.71	2.39	0.90	1.39	7.88	4.11	7.11	6.77	2.40	1.06	1.72	4.24	42.68
1916	3.37	1.03	1.45	1.18	3.70	4.61	1.38	2.65	3.34	2.10	1.88	4.03	36.72
1917	1.71	1.04	2.05	3.46	7.76	6.60	7.10	4.36	1.15	3.76	0.24	0.86	40.89
1918	2.15	2.57	1.03	7.46	3.00	5.49	3.00	4.55	5.60	2.64	2.23	4.95	46.67
1919	0.71	2.92	3.41	2.01	4.03	5.91	2.06	3.99	2.81	8.89	4.21	0.50	41.85
1920	0.85	1.21	3.76	3.21	5.12	1.08	2.96	1.88	5.05	3.42	0.96	3.27	34.20
1921	1.3	1.86	6.93	3.94	2.07	4.19	1.92	5.94	8.37	2.61	4.34	3.21	45.78
1922	1.06	1.95	3.46	3.63	2.35	2.35	3.60	2.13	0.51	3.55	2.15	4.17	40.34
1923	2.06	1.46	3.26	3.19	5.49	2.48	2.53	4.93	4.50	4.57	2.16	3.99	42.62
1924	2.86	1.59	2.90	4.03	5.68	4.80	2.00	6.15	4.39	0.64	2.06	5.34	42.44
1925	0.85	1.03	6.06	1.44	0.69	4.50	2.30	4.35	2.82	1.96	4.09	1.39	31.32
1926	2.24	2.76	2.17	2.77	3.91	2.90	4.16	2.71	14.14	4.37	2.72	1.94	46.81
1927	2.62	0.95	6.45	7.93	9.73	2.93	3.04	5.44	4.53	5.14	4.93	3.23	56.03
1928	1.57	1.32	1.20	2.70	4.53	8.08	2.44	2.84	2.98	2.99	2.05	3.00	37.80
1929	1.75	0.56	3.20	7.25	9.05	3.37	8.17	1.17	1.39	3.67	1.92	5.07	49.27
1930	7.73	1.85	1.48	2.42	0.90	4.31	0.39	2.26	3.02	2.18	2.55	0.44	30.13
1931	0.40	1.61	2.97	2.39	4.03	3.77	1.23	4.94	7.02	5.04	5.00	3.41	41.81
1932	3.29	1.43	1.53	1.03	2.04	4.81	1.64	3.39	3.09	3.70	2.84	4.37	33.21
1933	2.21	2.07	4.17	4.53	10.41	7.81	1.87	3.90	3.07	3.11	1.53	2.17	41.92
1934	1.70	1.11	3.33	1.93	1.37	2.26	4.22	6.01	9.32	1.02	6.36	1.37	38.90
1935	1.52	0.74	3.90	1.78	10.01	3.80	1.25	2.43	3.29	2.15	3.74	1.07	35.68
1936	1.13	2.34	3.21	3.56	2.54	0.66	2.26	2.07	4.37	3.22	2.26	2.86	31.78
1937	6.34	1.42	1.15	4.18	3.78	4.54	5.19	2.21	1.62	5.76	1.75	1.54	39.50
1938	1.24	1.48	9.09	2.44	5.36	2.66	9.21	3.73	4.87	1.70	2.15	2.62	46.48
1939	1.41	2.37	5.17	5.74	2.17	7.40	2.86	7.07	0.66	1.58	1.49	1.36	41.80
1940	1.75	1.16	2.15	5.40	4.57	2.37	1.92	3.76	1.49	3.44	4.12	3.00	35.13
1941	2.74	0.56	0.57	4.35	2.65	4.81	2.49	2.64	3.70	7.53	3.82	1.19	36.45
1942	1.24	4.25	3.72	3.03	3.20	6.95	5.69	2.16	1.29	2.49	6.60	2.01	42.63
1943	0.75	0.76	3.94	2.73	10.89	2.08	2.79	0.52	2.59	2.74	3.25	1.91	34.41
1944	0.17	2.27	2.76	6.19	1.93	1.47	1.09	4.29	2.35	0.58	2.08	1.56	26.76
1945	1.14	3.59	10.63	4.81	6.40	9.98	1.39	4.21	6.48	2.21	3.32	2.67	56.83
1946	1.91	2.69	1.08	1.61	8.63	3.62	4.44	3.79	1.82	2.88	5.73	2.03	40.13
1947	2.33	0.10	1.36	5.65	7.21	5.19	0.29	2.64	3.49	2.75	1.73	0.95	34.69
1948	1.97	2.34	7.39	1.53	3.39	4.61	5.95	1.80	1.83	3.13	4.30	2.75	40.81
1949	7.05	3.79	2.74	1.89	3.41	5.99	3.47	5.20	4.13	7.94	0.95	3.90	50.46
1950	0.73	4.71	2.26	3.59	2.13	4.15	4.65	1.86	5.92	1.68	3.52	1.72	46.18
1951	1.69	3.22	2.01	5.39	2.83	5.95	4.42	6.35	3.53	1.70	3.45	2.23	42.97
1952	2.68	1.60	4.50	3.18	2.30	5.58	3.33	2.01	2.21	0.29	3.34	1.53	32.55
1953	1.57	1.93	6.02	1.97	3.60	2.90	3.83	0.77	0.67	2.03	0.86	0.75	26.80
1954	2.08	1.43	1.67	3.23	2.16	1.90	1.45	4.08	1.77	4.49	0.89	1.55	26.70
1955	2.31	2.00	2.37	3.54	5.31	4.81	3.98	1.16	5.56	4.01	1.43	0	37.48
1956	0.12	M	M	3.49	3.92	2.99	3.44	4.14	1.19	0.62	1.87	4.26	M
1957	1.95	2.20	2.04	8.22	4.69	13.98	2.39	2.79	2.04	3.89	3.22	5.40	52.81
1958	1.36	0.69	1.27	2.72	3.69	5.61	6.60	5.72	3.66	1.02	7.09	0.05	40.14
1959	3.82	2.77	2.48	3.16	3.45	1.50	2.17	3.05	M	2.65	2.85	M	M
1960	M	2.19	M	2.07	5.20	7.93	1.54	1.17	0.78	1.30	2.02	3.13	M
1961	0.43	1.95	4.45	3.22	5.36	2.57	5.80	4.01	4.41	2.92	3.39	1.76	40.87
1962	5.02	M	3.59	1.64	5.30	3.92	4.80	2.70	1.40	2.89	1.65	0.89	M
MEAN	2.49	1.95	3.47	3.53	4.20	4.16	3.58	3.45	3.41	2.98	2.79	2.37	38.43

MAXIMUM 24-HOUR AMOUNT

2.65	2.18	4.16	3.28	4.29	6.50	4.25	4.49	6.00	3.21	2.75	2.06
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DAYS WITH 0.10 INCH OR MORE

MEAN	5	5	6	7	8	7	6	6	5	5	5	5	70
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CHARLESTON

SNOWFALL

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
1901	3.0	7.4	1.0	M	0	M	M	M	M	M	0	5.0	M	
1902	7.4	3.7	T	T	0	0	0	0	0	0	3.0	2.5	16.8	
1903	9.1	10.5	0.5	0.5	0	0	0	0	0	0	0.2	4.1	24.9	
1904	19.7	1.7	1.1	0	0	0	0	0	0	0	0	3.2	25.9	
1905	7.5	9.9	T	0	0	0	0	0	0	0	T	1.3	18.7	
1906	1.3	5.9	13.5	0	0	0	0	0	0	0	0	1.3	27.0	
1907	2.6	2.8	5.0	T	0	0	0	0	0	0	0.1	5.2	15.7	
1908	M	24.0	T	0	0	0	0	0	0	0	0.6	2.5	M	
1909	13.1	5.3	0.1	0.1	T	0	0	0	0	0	0	12.2	30.8	
1910	2.5	14.1	0	2.0	0	0	0	0	0	0.1	0.1	1.3	20.6	
1911	3.1	2.1	0.4	0	0	0	0	0	0	0	1.5	T	7.1	
1912	9.1	15.5	15.4	T	0	0	0	0	0	0	T	T	39.0	
1913	1.3	6.0	6.2	0	0	0	0	M	M	1.0	T	1.0	M	
1914	8.0	12.5	2.8	0	0	0	0	0	0	0	0	6.4	29.7	
1915	11.0	T	0.5	0	0	0	0	0	0	0	1.0	14.5	27.0	
1916	0.4	5.2	4.4	0.8	0	0	0	0	0	0.3	0.4	6.7	18.2	
1917	0.4	3.0	0.7	0	0	0	0	0	0	1.0	0.5	7.6	13.2	
1918	16.1	0	0	T	0	0	0	0	0	0	T	0.7	16.8	
1919	0.7	2.2	1.5	0	0	0	0	0	0	0	T	0.6	5.0	
1920	4.3	0.3	1.2	1.5	0	0	0	0	0	T	T	4.0	13.3	
1921	2.4	0.4	0	T	0	0	0	0	0	0	T	2.0	4.8	
1922	2.7	T	3.8	0	0	0	0	0	0	0	4.0	2.0	12.5	
1923	1.4	4.5	T	T	T	0	0	0	0	0	0	T	5.9	
1924	3.4	1.5	10.5	1.6	0	0	0	0	0	0	0.2	4.4	26.6	
1925	6.0	3.0	4.6	0	0	0	0	0	0	0.3	0.4	1.4	15.7	
1926	3.5	0.5	1.5	T	0	0	0	0	0	0	0.5	7.2	13.5	
1927	15.2	0.4	2.1	T	0	0	0	0	0	0	1.3	1.6	20.6	
1928	1.7	3.0	T	T	0	0	0	0	0	0	T	0.2	5.7	
1929	5.0	2.2	T	0	T	0	0	0	0	T	T	15.7	22.9	
1930	9.0	1.5	6.5	0	0	0	0	0	0	T	1.0	0.4	18.4	
1931	2.5	T	10.0	0	0	0	0	0	0	0	3.0	0	15.5	
1932	T	T	2.8	0	0	0	0	0	0	0	9.2	2.8	14.8	
1933	T	2.0	3.3	T	0	0	0	0	0	0	T	1.6	6.9	
1934	0.5	11.6	9.4	T	0	0	0	0	0	0	0	7.2	28.7	
1935	T	T	0	0	0	0	0	0	0	0	T	4.7	4.7	
1936	5.4	3.0	3.5	T	0	0	0	0	0	0	T	3.0	15.4	
1937	3.5	2.5	3.7	0	0	0	0	0	0	0	3.5	0.6	13.8	
1938	3.6	2.5	0	T	0	0	0	0	0	0	3.2	T	9.3	
1939	13.0	4.6	T	T	0	0	0	0	0	0	T	6.8	24.4	
1940	6.7	1.2	0.7	2.0	0	0	0	0	0	0	T	T	10.9	
1941	3.0	2.5	0.6	0	0	0	0	0	0	0	2.0	2.0	10.1	
1942	1.0	5.9	5.6	0	0	0	0	0	0	T	T	1.5	12.0	26.0
1943	5.2	0.5	3.2	T	0	0	0	0	0	0	T	11.7	20.6	
1944	T	6.7	2.0	T	0	M	M	M	M	M	4.5	5.2	M	
1945	4.1	5.0	T	0	0	0	M	M	M	M	M	M	M	
1946	M	2.2	T	T	0	0	0	0	0	0	0	T	M	
1947	0.9	1.0	8.0	0	0	0	0	0	0	0	T	4.2	14.1	
1948	4.0	7.1	4.2	T	0	0	0	0	0	0	T	M	M	
1949	2.0	T	2.4	0	0	0	0	0	0	0	T	T	4.4	
1950	M	1.7	T	T	0	M	0	0	0	0	T	M	M	
1951	4.7	2.0	5.1	T	M	0	0	0	0	T	9.3	7.1	M	
1952	T	1.2	0.9	0	0	0	0	0	0	T	1.0	4.5	7.6	
1953	M	T	12.0	T	0	0	0	0	0	0	T	0.3	M	
1954	0.5	0.6	2.0	0	0	0	0	0	0	T	M	3.5	M	
1955	3.3	2.5	4.5	0	0	0	0	0	0	0	T	M	M	
1956	M	M	M	M	M	M	M	M	M	M	M	M	M	
1957	M	M	M	M	M	M	M	M	M	M	M	M	M	
1958	M	M	M	0	0	0	0	0	0	0	2.6	T	M	
1959	M	M	M	0	0	0	0	0	0	0	M	M	M	
1960	M	M	M	T	T	0	0	0	0	0	0.3	10.3	M	
1961	M	8.5	2.0	1.0	0	0	0	0	0	0	T	4.0	M	
1962	10.2	M	1.5	1.6	0	0	0	0	0	0	0	M	M	
MEAN	4.9	4.0	3.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.8	17.0	

MAXIMUM SNOW DEPTH ON GROUND, INCHES

14	11	10	2	3	0	0	0	0	0	3	9	11
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