# CARTER COUNTY

# CLIMATE SUMMARY

#### AVFRAGES

| TEMPERATURE (°F) |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                  | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | ОСТ  | NOV  | DEC  | ANN  |
| DAILY<br>AVG     | 39.6 | 44.0 | 51.9 | 60.4 | 69.1 | 77.6 | 82.1 | 81.5 | 73.6 | 62.3 | 50.9 | 41.6 | 61.2 |
| DAILY<br>MIN     | 26.5 | 30.9 | 38.7 | 47.0 | 57.3 | 66.0 | 69.4 | 68.3 | 60.4 | 48.3 | 37.5 | 28.9 | 48.3 |
| DAILY<br>MAX     | 52.6 | 57.1 | 65.1 | 73.8 | 80.8 | 89.2 | 94.7 | 94.2 | 86.7 | 76.2 | 64.4 | 54.3 | 74.1 |

Annual number of days max temperature is greater than 90°F: 84 Annual number of days max temperature is greater than 100°F: 17

Annual number of days max temperature is less than 32°F: 5
Annual number of days min temperature is less than 32°F: 74

Annual number of heating degree days (HDD): 3354 Annual number of cooling degree days (CDD): 2000

Annual length of growing season: 204 days

Date of first fall freeze: November 1
Date of last spring freeze: April 6

| PRECIPITATION                  |      |      |      |      |      |      |      |      |      |      |      |      |       |
|--------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                                | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | ОСТ  | NOV  | DEC  | ANN   |
| AMOUNT<br>(in.)                | 1.75 | 2.05 | 2.76 | 3.26 | 5.20 | 3.92 | 2.82 | 2.63 | 3.71 | 3.85 | 2.69 | 2.35 | 36.99 |
| NUMBER<br>OF DAYS<br>WITH RAIN | 5.1  | 5.9  | 6.7  | 6.6  | 8.7  | 7.2  | 5.3  | 5.7  | 6.6  | 6.4  | 5.2  | 5.7  | 75.1  |

Annual snowfall: 2.6 in.

Annual percent sunshine (2006-2020): 67%

Annual number of thunderstorm days (1901-1995): 45 Annual number of hail (>1 in.) days (1986-2015): 5+ Annual number of tornadoes (1950-2021): 0.82

Total number of tornadoes (1950-2021): 59

#### Notes:

<sup>2.)</sup> Unless noted, averages/normals are based on the 1991-2020 period.





<sup>1.)</sup> Average first and last freeze dates are based on the 50th probability percentile.

# RECORDS & EXTREMES

Record high temperature: 115°F (August 2, 1896)
Record low temperature: -17°F (February 16, 2021)

Earliest freeze date: October 15 Latest freeze date: April 25 Wettest year: 78.41 in. (2015) Driest year: 14.81 in. (1963)

Greatest daily rainfall: 12.53 in. (June 18, 2015)

Greatest seasonal snowfall (Sep - Apr): 18.3 in. (1977-1978)

Greatest daily snowfall: 9.0 in. (December 25, 2009)

\_\_\_\_\_

Note: Extreme earliest and latest freeze dates are based on the 10th probability percentile.

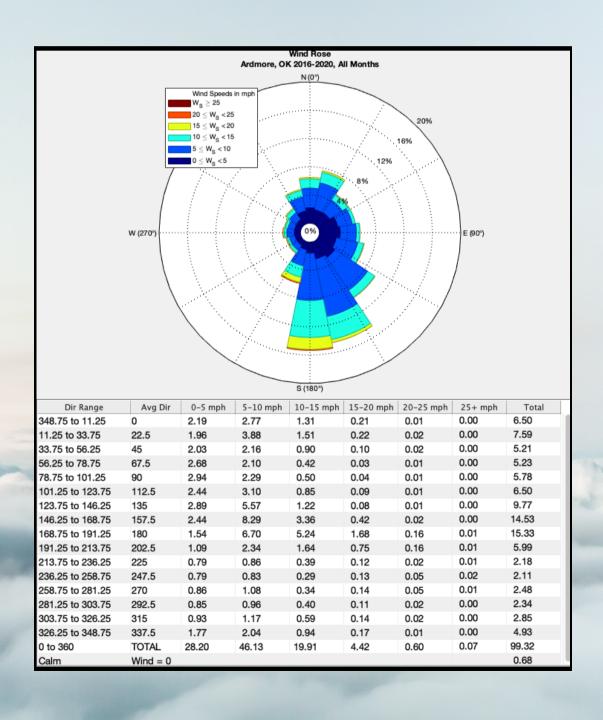
## HOLIDAY STATS

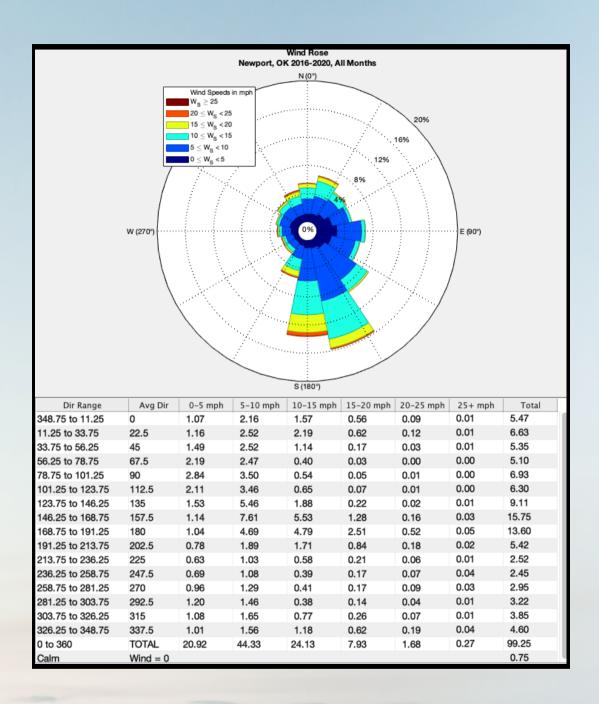
|                                 | AVG MAX TEMP (°F) | AVG MIN TEMP (°F) | RECORD HIGH (°F) | RECORD LOW (°F) |
|---------------------------------|-------------------|-------------------|------------------|-----------------|
| NEW YEAR'S EVE,<br>December 31  | 52                | 27                | 76 (1920)        | 5 (1969)        |
| VALENTINE'S DAY,<br>February 14 | 58                | 30                | 84 (1979)        | 9 (2021)        |
| INDEPENDENCE<br>DAY, July 4     | 93                | 69                | 107 (1980)       | 55 (1906)       |
| HALLOWEEN,<br>October 31        | 71                | 44                | 89 (1992)        | 18 (1993)       |
| CHRISTMAS,<br>December 25       | 50                | 26                | 74 (1904)        | 2 (1983)        |

### WIND

#### Average wind speed: 9 mph

**Wind Roses:** Wind roses show the prevailing direction from which the wind is blowing. North is up in the image. The circles show the percentage of time from which the wind is blowing in that direction, as well as the percentage of time for different wind speed ranges. The wind speed ranges are represented by different shades of color. For example, Ardmore records a south wind about 15% of the time, with winds blowing between 5 and 10 mph about 7% (8%–1%=7%) of the time from that direction. The table below shows the percentage of time the wind is blowing from each of the 16-point compass headings, and the percent of time the prevailing wind is recorded in each speed bin.







Oklahoma Climatological Survey:

climate.ok.gov

Oklahoma Mesonet:

mesonet.org

120 David L. Boren Blvd., Suite 2900

Norman, OK 73072 phone: 405.325.2541

fax: 405.325.7282