

ALFALFA COUNTY

CLIMATE SUMMARY

AVERAGES

TEMPERATURE (°F)													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
DAILY AVG	35.1	38.7	48.2	57.2	67.6	77.8	82.7	80.9	73.0	60.1	47.1	37.1	58.8
DAILY MIN	23.3	26.5	35.5	44.2	55.7	65.8	70.3	68.7	60.6	47.5	35.0	26.0	46.6
DAILY MAX	46.8	51.0	61.0	70.2	79.5	89.7	95.0	93.2	85.3	72.7	59.1	48.1	71.0

Annual number of days max temperature is greater than 90°F: 81
Annual number of days max temperature is greater than 100°F: 20
Annual number of days max temperature is less than 32°F: 14
Annual number of days min temperature is less than 32°F: 105
Annual number of heating degree days (HDD): 4162
Annual number of cooling degree days (CDD): 1932
Annual length of growing season: 205 days
Date of first fall freeze: October 31
Date of last spring freeze: April 9

PRECIPITATION													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
AMOUNT (in.)	1.04	1.25	2.22	3.27	4.37	4.42	3.22	3.71	2.56	3.03	1.6	1.45	32.14
NUMBER OF DAYS WITH RAIN	3.9	4.6	6.3	7.5	9.2	8.1	6.5	8.0	6.1	6.2	4.6	4.8	76.0

Annual snowfall: 12.3 in.
Annual percent sunshine (2006-2020): 70%
Annual number of thunderstorm days (1901-1995): 51
Annual number of hail (>1 in.) days (1986-2015): 5+
Annual number of tornadoes (1950-2021): 0.64
Total number of tornadoes (1950-2021): 46

Notes:

- 1.) Average first and last freeze dates are based on the 50th probability percentile.
- 2.) Unless noted, averages/normals are based on the 1991-2020 period.

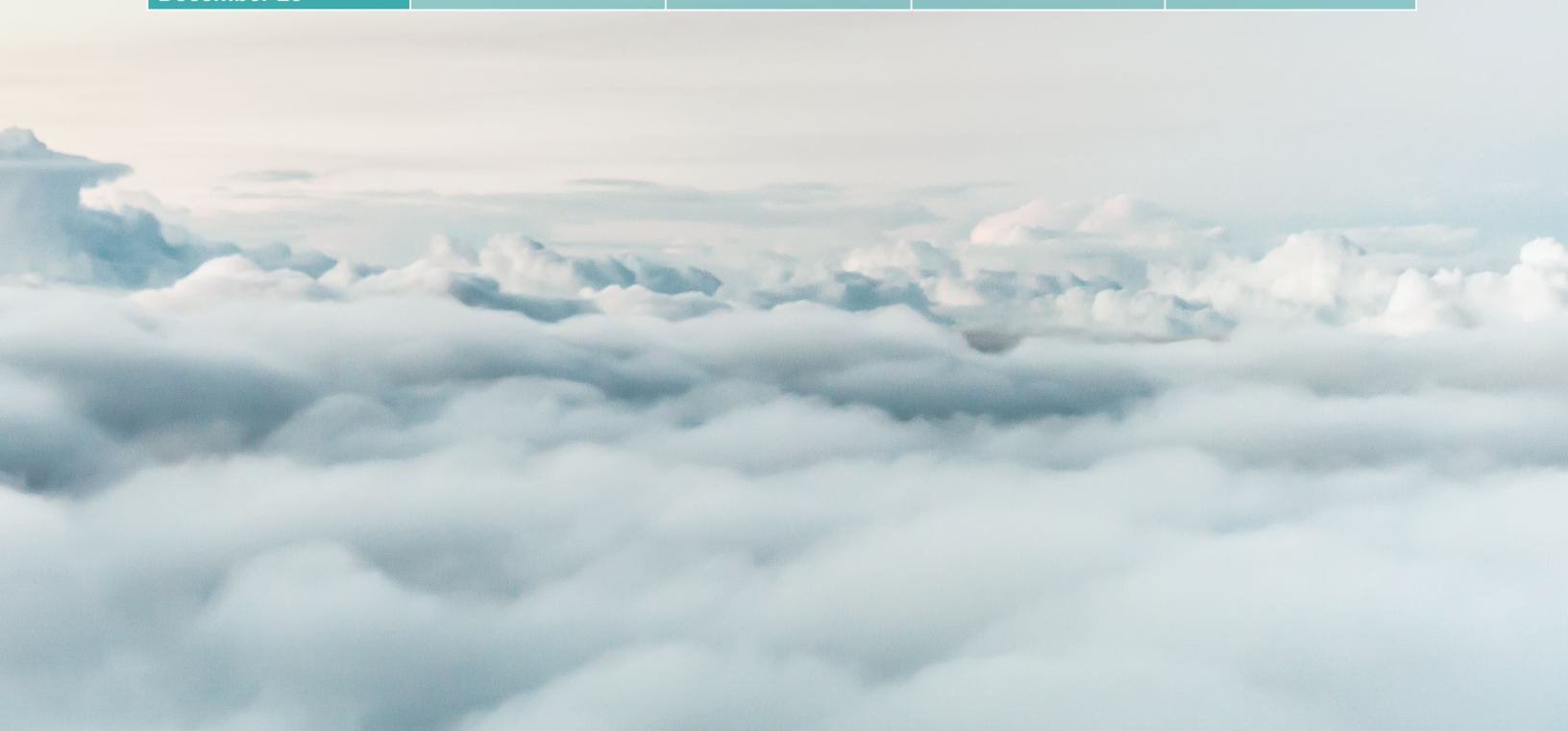
RECORDS & EXTREMES

Record high temperature: 117°F (August 12, 1936)
Record low temperature: -24°F (February 10, 2011)
Earliest freeze date: October 18
Latest freeze date: April 23
Wettest year: 48.34 in. (2015)
Driest year: 11.90 in. (1954)
Greatest daily rainfall: 8.90 in. (September 7, 1937)
Greatest seasonal snowfall (Sep - Apr): 55.0 in. (1987-1988)
Greatest daily snowfall: 19.0 in. (February 22, 1971)

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, December 31	44	22	74 (2004)	-2 (1911)
VALENTINE'S DAY, February 14	51	26	75 (1910)	2 (1978)
INDEPENDENCE DAY, July 4	94	68	104 (1911)	57 (1961)
HALLOWEEN, October 31	64	40	88 (1968)	12 (1993)
CHRISTMAS, December 25	42	21	69 (2019)	-3 (1983)

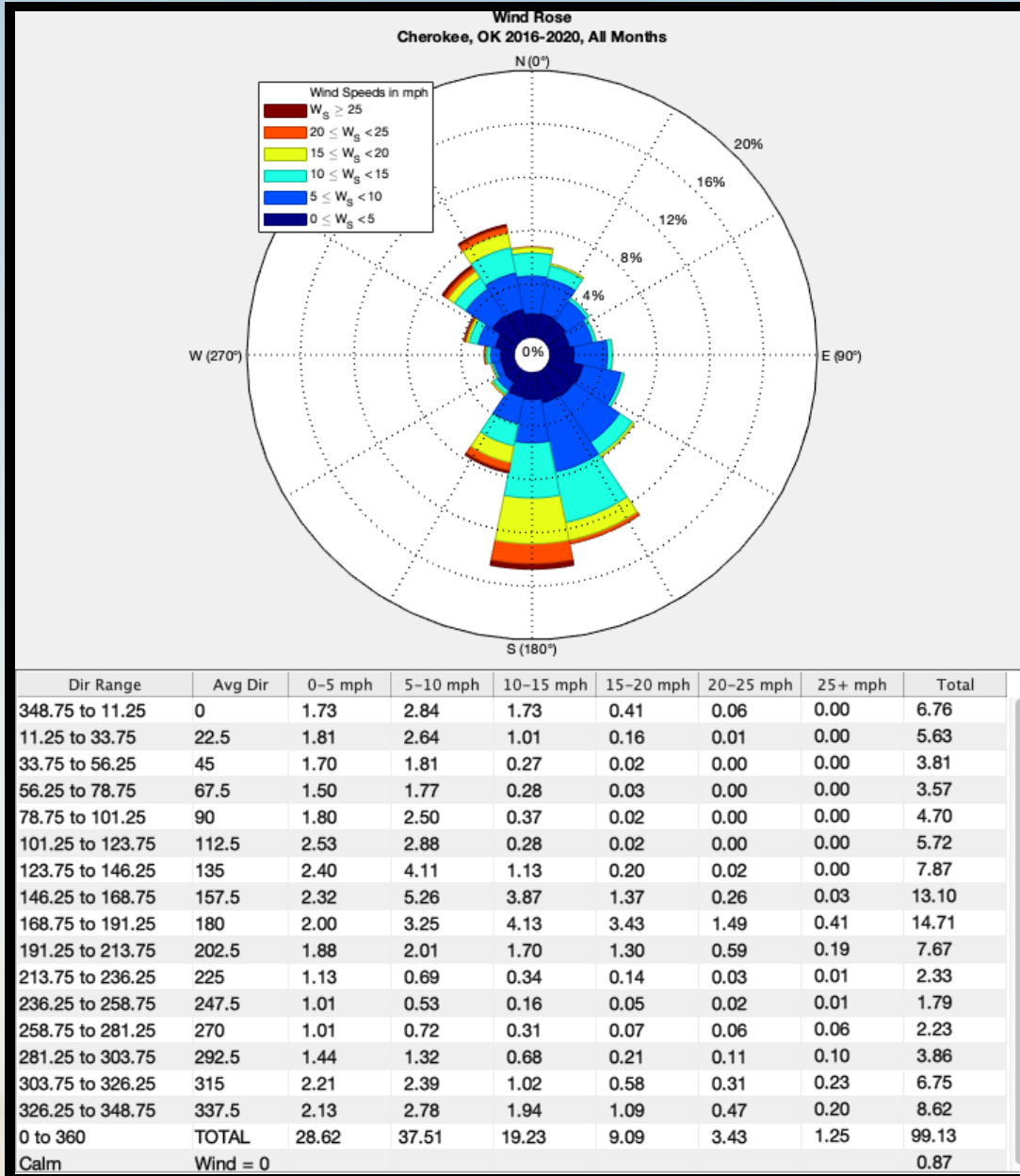


WIND

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, Cherokee records a south wind about 15% of the time, with winds blowing between 10 and 15 mph about 4% ($9\% - 5\% = 4\%$) 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