

KAY COUNTY

CLIMATE SUMMARY

AVERAGES

TEMPERATURE (°F)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
DAILY AVG	34.6	38.7	47.8	57.2	67.1	76.8	81.5	80.2	72.2	59.9	47.2	37.1	58.4
DAILY MIN	22.2	25.6	34.3	43.6	54.9	64.9	69.3	67.7	59.6	46.6	34.4	25.5	45.7
DAILY MAX	46.9	51.8	61.3	70.7	79.2	88.6	93.8	92.7	84.8	73.2	60.0	48.7	71.0

Annual number of days max temperature is greater than 90°F: 72

Annual number of days max temperature is greater than 100°F: 15

Annual number of days max temperature is less than 32°F: 11

Annual number of days min temperature is less than 32°F: 96

Annual number of heating degree days (HDD): 4183

Annual number of cooling degree days (CDD): 1793

Annual length of growing season: 199 days

Date of first fall freeze: October 29

Date of last spring freeze: April 12

PRECIPITATION

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
AMOUNT (in.)	1.25	1.41	2.83	3.92	5.39	5.14	4.38	4.12	3.17	3.61	1.92	1.68	38.82
NUMBER OF DAYS WITH RAIN	4.5	5.2	6.9	7.8	9.3	9.1	7.7	7.8	6.4	6.5	5.2	5.2	81.6

Annual snowfall: 8.0 in.

Annual percent sunshine (2006-2020): 66%

Annual number of thunderstorm days (1901-1995): 52

Annual number of hail (>1 in.) days (1986-2015): 5+

Annual number of tornadoes (1950-2021): 1.35

Total number of tornadoes (1950-2021): 97

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 (July 14, 1954)
Record low temperature: -27°F (February 10, 2011)
Earliest freeze date: October 16
Latest freeze date: April 28
Wettest year: 59.62 in. (1986)
Driest year: 14.00 in. (2006)
Greatest daily rainfall: 9.70 in. (April 30, 2012)
Greatest seasonal snowfall (Sep - Apr): 41.0 in. (1987-1988)
Greatest daily snowfall: 12.8 in. (February 29, 2011)

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

HOLIDAY STATS

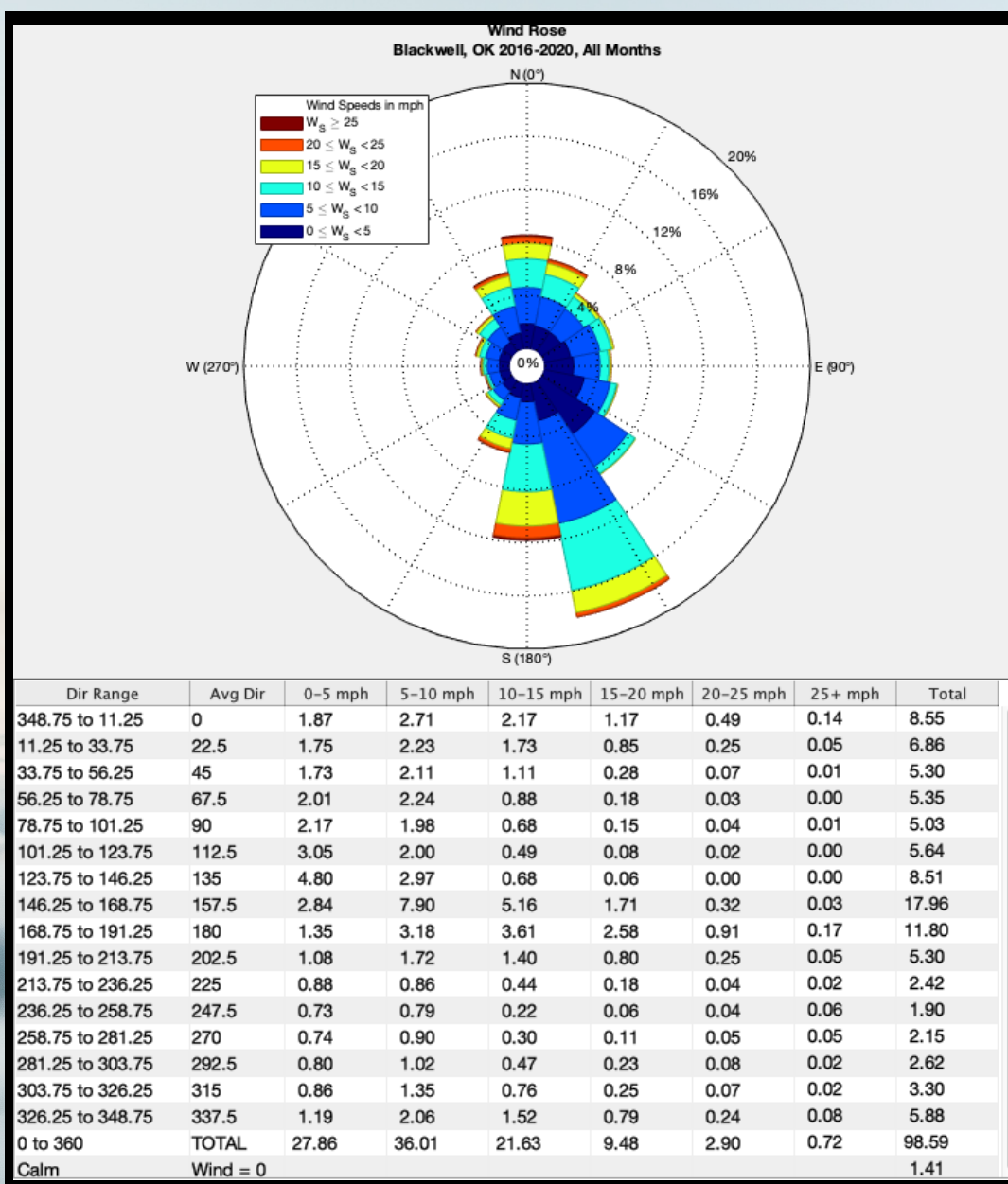
	AVG MAX TEMP (°F)	AVG MIN TEMP (°F)	RECORD HIGH (°F)	RECORD LOW (°F)
NEW YEAR'S EVE, December 31	45	24	71 (2004)	0 (1976)
VALENTINE'S DAY, February 14	51	28	73 (1996)	9 (1978)
INDEPENDENCE DAY, July 4	92	69	105 (1980)	55 (1959)
HALLOWEEN, October 31	66	44	83 (2012)	15 (1993)
CHRISTMAS, December 25	44	23	67 (1954)	-2 (1983)

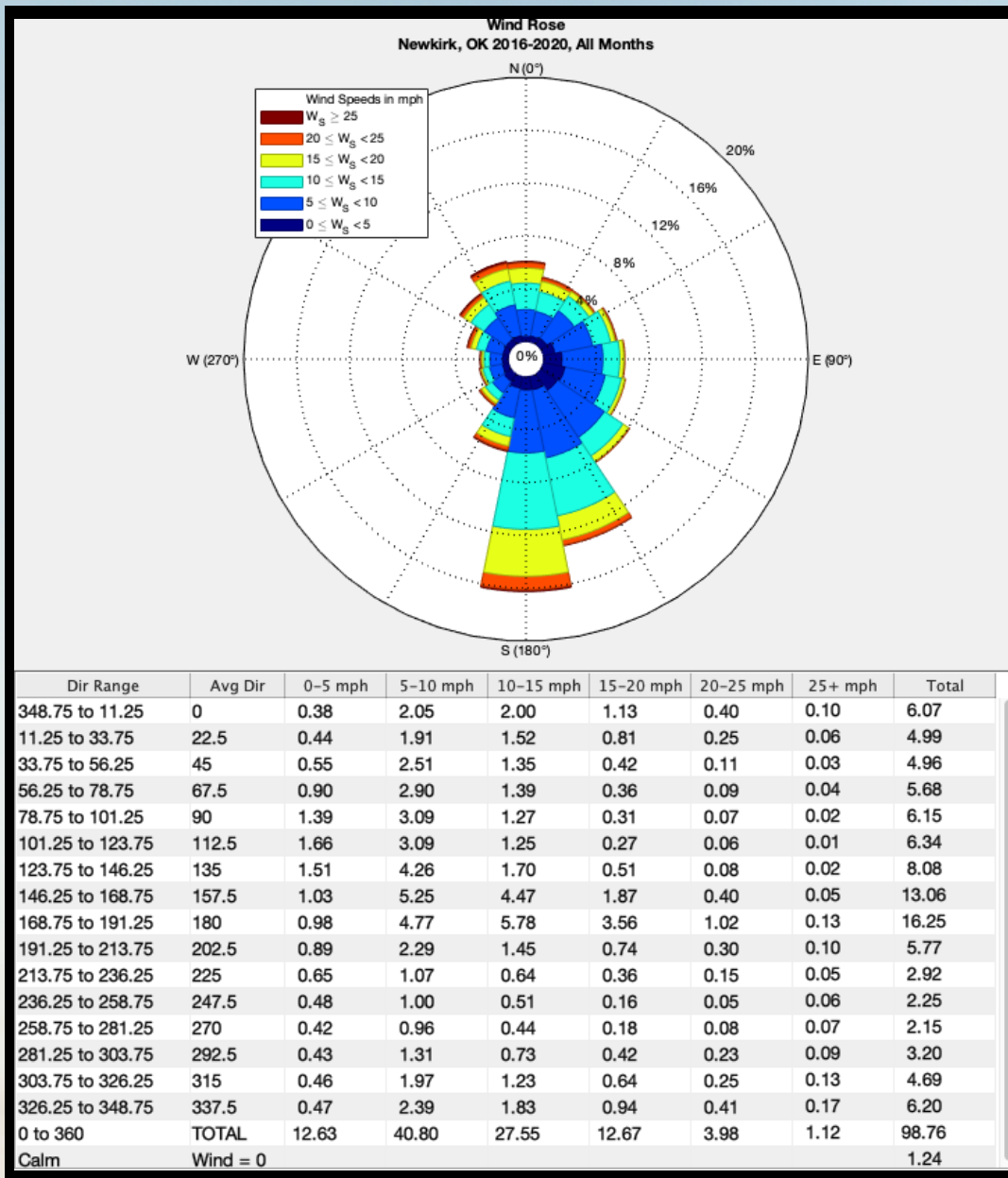


WIND

Average wind speed: 10 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, Blackwell records a south wind about 12% of the time, with winds blowing between 10 and 15 mph about 3.5% (8%-4.5%=3.5%) 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.





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