

MARSHALL COUNTY

CLIMATE SUMMARY

AVERAGES

TEMPERATURE (°F)													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
DAILY AVG	41.1	45.3	53.6	62.1	70.9	79.4	84.0	83.2	75.4	64.2	52.5	43.3	62.9
DAILY MIN	29.8	33.1	41.3	49.6	59.9	68.5	73.0	71.5	63.5	51.7	40.6	32.2	51.2
DAILY MAX	52.5	57.5	66.0	74.7	81.8	90.2	95.0	94.9	87.4	76.8	64.4	54.4	74.6

Annual number of days max temperature is greater than 90°F: 83
Annual number of days max temperature is greater than 100°F: 18
Annual number of days max temperature is less than 32°F: 4
Annual number of days min temperature is less than 32°F: 63
Annual number of heating degree days (HDD): 3019
Annual number of cooling degree days (CDD): 2298
Annual length of growing season: 227 days
Date of first fall freeze: November 8
Date of last spring freeze: March 27

PRECIPITATION													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
AMOUNT (in.)	2.22	2.34	3.07	3.53	5.64	4.74	2.72	2.66	3.98	4.55	2.75	3.15	41.35
NUMBER OF DAYS WITH RAIN	4.9	5.5	6.5	6.3	8.4	6.7	4.6	5.1	5.7	6.0	5.1	5.3	70.1

Annual snowfall: 2.1 in.
Annual percent sunshine (2006-2020): 65%
Annual number of thunderstorm days (1901-1995): 45
Annual number of hail (>1 in.) days (1986-2015): 5+
Annual number of tornadoes (1950-2021): 0.46
Total number of tornadoes (1950-2021): 33

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: 112°F (August 3, 2011)
Record low temperature: -11°F (February 16, 2021)
Earliest freeze date: October 25
Latest freeze date: April 14
Wettest year: 81.0 in. (2015)
Driest year: 18.62 in. (1963)
Greatest daily rainfall: 10.17 in. (October 13, 1981)
Greatest seasonal snowfall (Sep - Apr): 21.4 in. (1977-1978)
Greatest daily snowfall: 10.0 in. (December 25, 1975)

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

HOLIDAY STATS

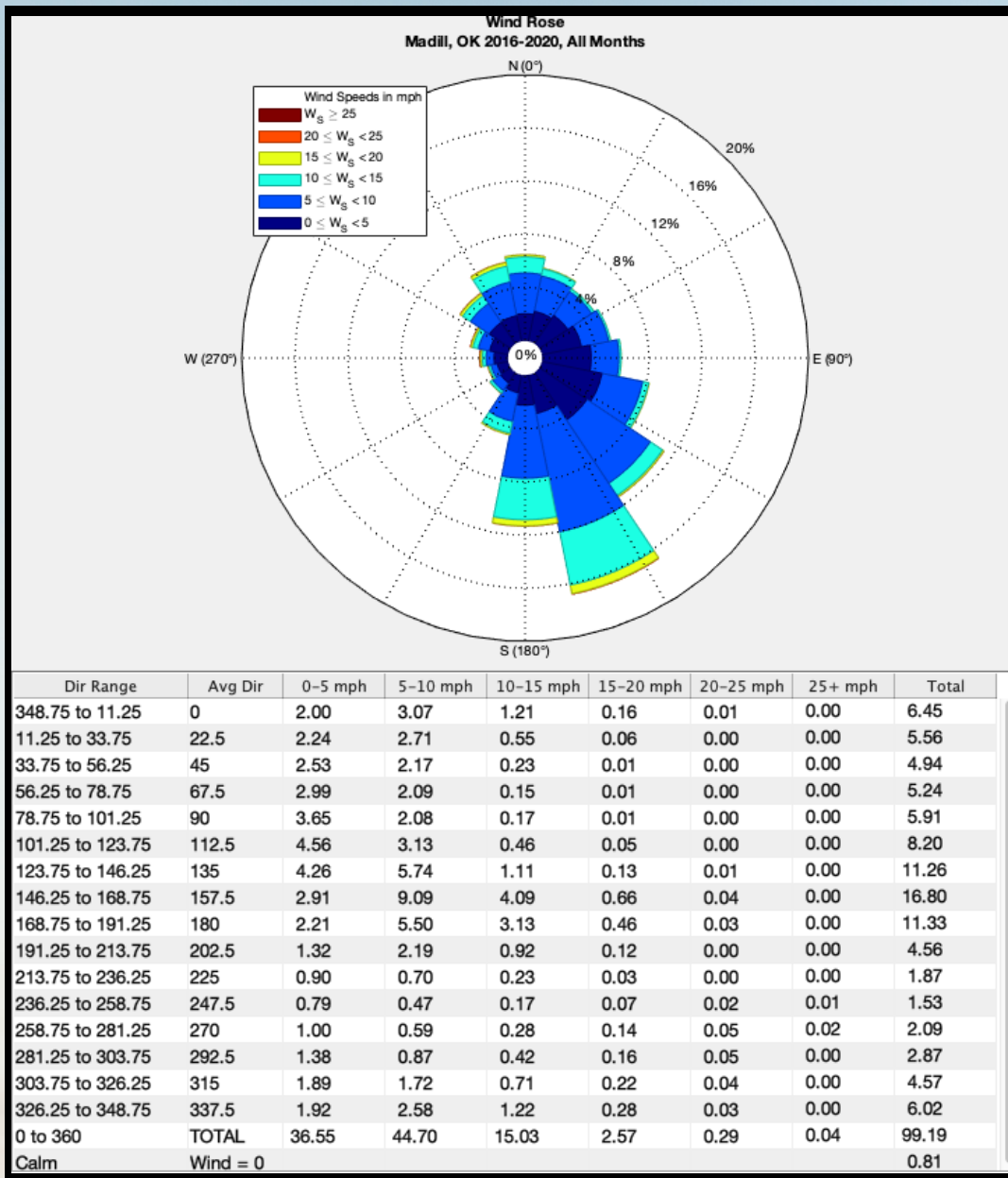
	AVG MAX TEMP (°F)	AVG MIN TEMP (°F)	RECORD HIGH (°F)	RECORD LOW (°F)
NEW YEAR'S EVE, December 31	52	32	83 (1951)	8 (1976)
VALENTINE'S DAY, February 14	58	34	81 (1996)	19 (1951)
INDEPENDENCE DAY, July 4	93	70	105 (1980)	59 (2013)
HALLOWEEN, October 31	72	49	89 (1992)	22 (1993)
CHRISTMAS, December 25	51	30	75 (1950)	3 (1983)

WIND

Average wind speed: 7 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, Madill records a south wind about 11% of the time, with winds blowing between 10 and 15 mph about 3% ($11\% - 8\% = 3\%$) 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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