

# PAYNE COUNTY

## CLIMATE SUMMARY

### AVERAGES

TEMPERATURE (°F)													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
DAILY AVG	37.9	42.0	50.6	59.8	68.4	77.4	82.2	81.5	73.5	61.7	49.9	40.2	60.4
DAILY MIN	26.4	30.1	38.5	47.6	57.6	67.2	71.1	70.0	61.8	49.4	38.2	29.1	48.9
DAILY MAX	49.3	53.9	62.7	71.9	79.2	87.7	93.2	93.0	85.1	74.0	61.7	51.3	71.9

**Annual number of days max temperature is greater than 90°F: 69**  
**Annual number of days max temperature is greater than 100°F: 14**  
**Annual number of days max temperature is less than 32°F: 9**  
**Annual number of days min temperature is less than 32°F: 76**  
**Annual number of heating degree days (HDD): 3611**  
**Annual number of cooling degree days (CDD): 1974**  
**Annual length of growing season: 217 days**  
**Date of first fall freeze: November 5**  
**Date of last spring freeze: April 1**

PRECIPITATION													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
AMOUNT (in.)	1.35	1.35	2.53	3.63	6.07	4.84	3.25	3.23	3.92	3.43	2.24	2.13	37.97
NUMBER OF DAYS WITH RAIN	3.1	3.6	5.1	5.9	7.9	7.5	5.1	5.4	6.6	5.3	4.6	4.0	64.1

**Annual snowfall: 6.3 in.**  
**Annual percent sunshine (2006-2020): 66%**  
**Annual number of thunderstorm days (1901-1995): 50**  
**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:

- 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.

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## RECORDS & EXTREMES

**Record high temperature:** 117°F (July 14, 1954)  
**Record low temperature:** -19°F (February 10, 2011)  
**Earliest freeze date:** October 20  
**Latest freeze date:** April 17  
**Wettest year:** 61.87 in. (1959)  
**Driest year:** 11.04 in. (1893)  
**Greatest daily rainfall:** 7.92 in. (May 22, 2019)  
**Greatest seasonal snowfall (Sep - Apr):** 30.8 in. (1987-1988)  
**Greatest daily snowfall:** 13.0 in. (March 9, 1994)

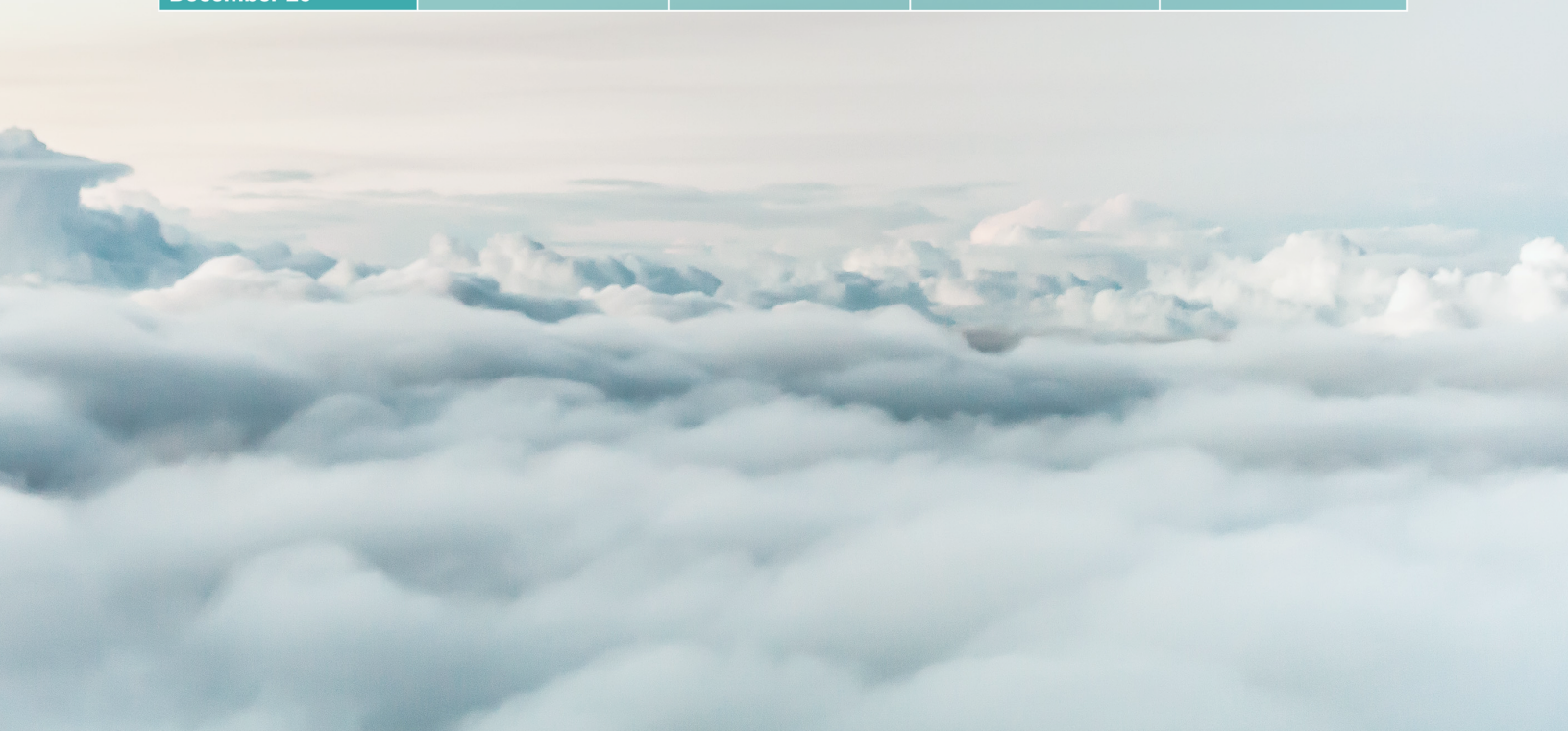
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*Note: Extreme earliest and latest freeze dates are based on the 10th probability percentile.*

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## HOLIDAY STATS

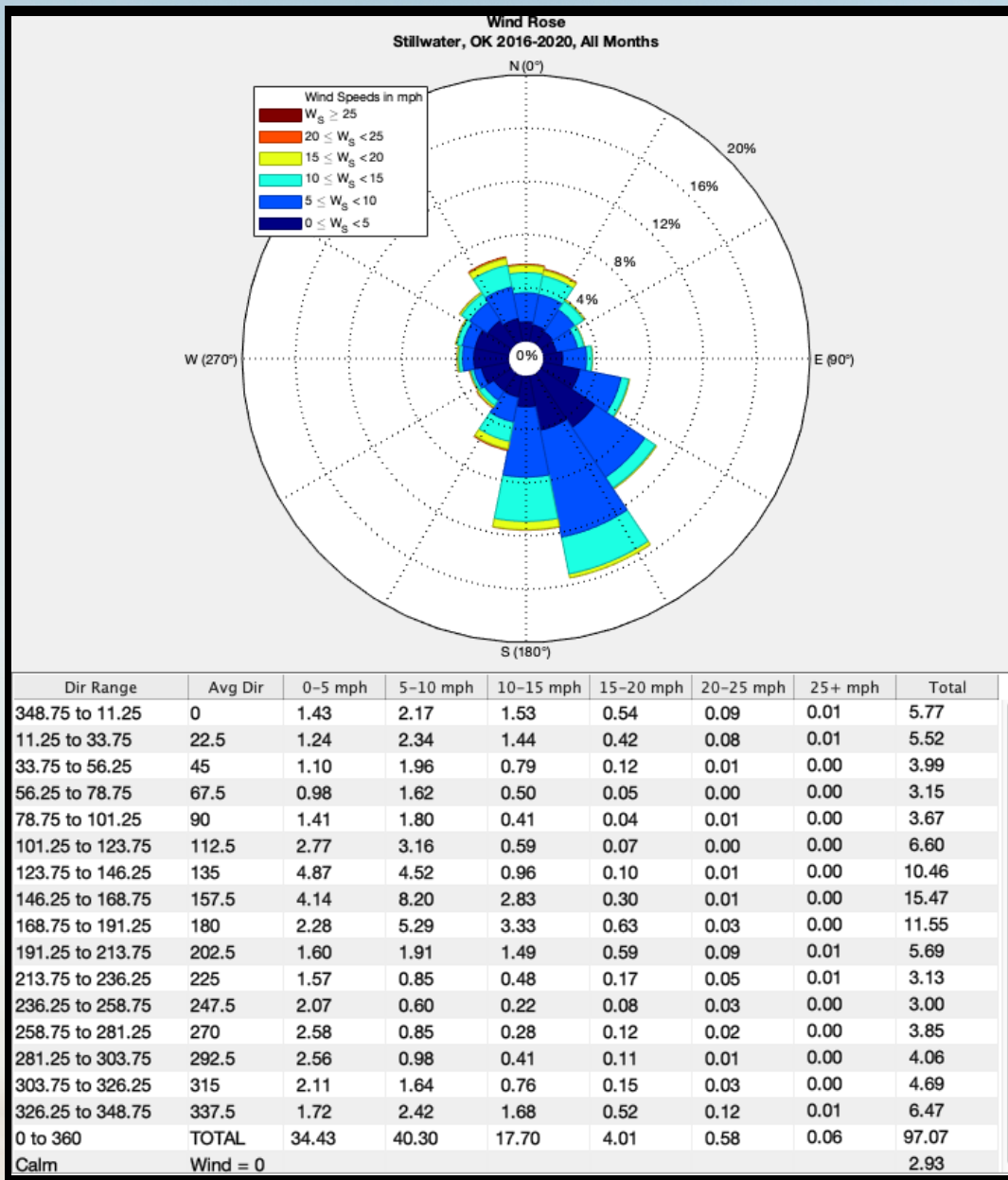
	AVG MAX TEMP (°F)	AVG MIN TEMP (°F)	RECORD HIGH (°F)	RECORD LOW (°F)
NEW YEAR'S EVE, December 31	48	27	78 (1951)	-2 (1968)
VALENTINE'S DAY, February 14	54	29	82 (1962)	12 (1958)
INDEPENDENCE DAY, July 4	92	70	104 (1953)	60 (1968)
HALLOWEEN, October 31	68	46	88 (1950)	20 (1993)
CHRISTMAS, December 25	46	24	73 (1950)	-3 (1983)











**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