Oklahoma Monthly Climate Summary

JANUARY 2016

OKLAHOMA CLIMATOLOGICAL SURVEY

Considering the extreme precipitation that ended 2015, and with the "super" El Niño that boosted the November-December period to the wettest on record for the state still in place, January was a veritable dud. According to preliminary data from the Oklahoma Mesonet, the statewide average precipitation total was 0.71 inches, nearly an inch below normal and the 28th driest January since records began in 1895. Only 29 of the Mesonet's 120 stations recorded at least an inch of rain, and only three exceeded 2 inches. Cloudy led all Mesonet sites with 2.45 inches.

January 2016 Statewide Extremes

Description	Extreme	Station	Day
High Temperature	85°F	Hollis	30
Low Temperature	4°F	Kenton	11
High Precipitation	2.45 in.	Cloudy	--
Low Precipitation	0.08 in.	Boise City	--

Boise City recorded a state low of 0.08 inches. Oklahoma City's official observing site at Will Rogers Airport received 0.11 inches, the 12th driest January on record dating back to 1891. Tulsa fared a bit better with 0.61 inches, the 24th driest dating back to 1894. Some of the precipitation across the state fell as snow and ice, but those totals were fairly limited. The National Weather Service cooperative observer at Sayre recorded a respectable 3.8 inches for the state's largest official total. Boise City still led the seasonal total with 19.5 inches of snowfall. Arnett was a distant second with 11.2 inches. Those are the only official observing sites with double-digit seasonal snowfall totals thus far.

Similar to precipitation, the relative warmth of the last two months of 2015 faded soon after Christmas, not to return until the end of January. The November-December period was more than 4 degrees above normal and the fourth warmest on record. Despite the return to more seasonable weather, however, the month still finished above normal according to Mesonet data. The statewide average of 38.2 degrees was half a degree above normal to rank as the 49th warmest on record. While it never got exceptionally cold in the state – the lowest temperature recorded by the Mesonet was a mere 4 degrees at Kenton on the 11th, fairly benign by January's standards – we did not see those high temperatures rebound back into the 70s and 80s until the month's final week. Southwestern Oklahoma received a sneak preview of summer with widespread 80s on the 29th and 30th. Hollis reached the month's highest temperature of 85 degrees on the 30th. Oklahoma City and McAlester either tied or broke high temperature records on the 29th and 30th. The warmth and lack of moisture combined with high winds to create elevated wildfire danger at the end of the month. Wildfires were reported across many areas in central and western Oklahoma.

January 2016 Statewide Statistics

Temperature

	Average	Depart.	Rank (1895-2016)
Month (January)	38.1°F	0.4°F	49th Warmest
Season-to-Date (Dec-Jan)	41.5°F	3.2°F	10th Warmest

Precipitation

	Total	Depart.	Rank (1895-2016)
Month (January)	0.71 in.	-0.85 in.	29th Driest
Season-to-Date (Dec-Jan)	5.49 in.	1.87 in.	11th Wettest

Depart. = departure from 30-year normal

JANUARY 2016 DAILY SUMMARIES

JANUARY 1-3: 2016 greeted Oklahomans with a warming trend. The highest maximum temperatures increased from 52 degrees in Valliant on the 1st to 59 degrees in Broken Bow on the 3rd. The lowest maximum temperatures increased from the upper 30s to the low 40s. The highest minimum temperatures were in the mid-30s and the lowest minimum temperatures increased from 6 degrees to 18 degrees. Kenton was the coldest Mesonet site each day during this period. Frozen precipitation from December's winter storms started to melt in Mesonet rain gauges. The highest amounts of liquid precipitation measured each day were .17 inches in Apache on the 1st, .40 inches in Bessie on the 2nd, and .26 inches in Hollis on the 3rd. Daily average wind speeds were generally less than 11 mph.

JANUARY 4-5: Temperatures dropped and became more seasonable for this time of year. Highs were between 29 degrees in Newkirk and 54 degrees in Cloudy on the 4th,

and between 38 degrees in Cheyenne and 48 degrees in Kenton on the 5th. The lowest minimum temperature was 14 degrees on the 4th and 16 degrees on the 5th. The highest minimum temperature was 29 degrees both days. Light rain moved into western Oklahoma on the 5th with accumulations generally one tenth of an inch or less. Daily average wind speeds were less than 14 mph on the 4th and less than 20 mph on the 5th. The highest wind gust measured by the Mesonet during these two days was 41 mph in Boise City and Kenton on Tuesday.

JANUARY 6-7: Temperatures had a slight upswing during these two days. The highest maximum temperature in the state increased to 59 degrees in Beaver on the 6th and then 65 degrees in Waurika, Burneyville, and Ringling on the 7th. The lowest maximum temperatures were around 40 degrees. The highest minimum temperatures drastically increased to 41 degrees in Grandfield on the 6th and 46 degrees in the southeast on the 7th. The lowest minimum temperature was 21 degrees in the panhandle both days. Mixed precipitation types, including rain, sleet, and snow, fell throughout the state on the 6th, but remained generally north of I-44. Overnight and into January 7th, showers continued to make their way eastward through the state. The highest liquid precipitation measurements reported from the Mesonet rain gauges were .89 inches in Durant on the 6th and .69 inches in Mt. Herman on the 7th. McAlester broke its daily maximum rainfall record on the 7th with .31 inches. Average wind speeds were 5-20 mph on the 6th and 5-14 mph the following day.

JANUARY 8-10: Cold air entering the region caused temperatures to drop. The highest maximum temperatures fell from 61 degrees in Mt. Herman on the 8th to 54 degrees in Broken Bow on the 9th, and finally to 40 degrees in Broken Bow and Valliant on the 10th. The lowest maximum temperature was 29 degrees on the 8th and 9th in the panhandle, and 25 degrees on the 10th in the northeast. The highest minimum temperature dropped from 49 degrees to 24 degrees and the lowest minimum temperature dropped from 19 degrees to a frigid 5 degrees from the 8th to the 10th. Light precipitation continued and a few snow flurries fell in the northwest on Friday. Precipitation moved east and by the 9th, over 3 inches of snow fell in Elk City, Erick, Purcell, and Sayre. The highest accumulations of liquid precipitation in the Mesonet gauges each day were .37 inches in McAlester (Jan. 8) and .38 inches in Idabel (Jan. 9). Rainfall was negligible on the 10th as the sun started to come out. Winds were gusty the first two days, averaging less than 16 mph on Friday and less than 22 mph on Saturday. The highest daily average wind speed on Sunday was 10 mph.

JANUARY 11-14: Despite a weak frontal boundary stalling along the I-40 corridor on the 12th, temperatures increased from the 11th to the 14th. The warmest temperature recorded in the state increased from 52 degrees in May Ranch on the 11th to 69 degrees in Mangum on the 14th. The coolest high increased from 41 degrees in Slapout and Mt. Herman to 56 degrees in Kenton. The warmest minimum increased from 31 degrees in Tipton, Altus, and Grandfield to 45 degrees in Hugo. The coolest minimum increased from 4 degrees in Kenton, the coolest temperature of the month, to 19 degrees in Buffalo and Beaver. Daily average wind speeds were less than 13 mph on the 11th, less than 9 mph on the 12th, less than 10 mph on the 13th, and less than 15 mph on the 14th.

JANUARY 15-16: A cold front moved through the region and maximum temperatures dropped from a range of 43-63 degrees on the 15th to a range of 36-48 degrees the following day. The warmest minimum temperature was 41 degrees in south-central OK on the 15th and 32 degrees in the southwest on the 16th. The coolest minimum temperature was 19 degrees both days. Light rain and snow fell in southern and western Oklahoma before moving into southeast Oklahoma. As much as 1.0 inch of snow accumulated in southern portions of the state. Average wind speeds were 5-13 mph on the 15th and less than 11 mph on the 16th.

JANUARY 17-20: A cold front brought cooler temperatures to northern Oklahoma; however, the highest and lowest ranking temperatures in the state still managed to increase over these four days. The highest maximum increased from 55 degrees in Waurika on the 17th to 60 degrees in Durant on the 18th and 60 degrees in Goodwell on the 20th. The lowest maximum temperature in the state increased from 23 degrees in Miami to 29 degrees in Newkirk. Minimum temperatures followed a warming trend as well with the highest minimum temperature climbing from 26 degrees in Waurika on the 17th to 35 degrees in Antlers and Durant on the 20th. The lowest minimum temperatures managed to fluctuate a bit more, measuring 15 degrees in Foraker and Newkirk on the 17th, 9 degrees in Vinita and Miami on the 18th, 19 degrees in Beaver and May Ranch on the 19th, and 14 degrees in Beaver and Alva on the 20th. From the 19th-20th, light drizzle fell in northern Oklahoma and mixed wintry precipitation fell in eastern Oklahoma. By the evening of the 20th, scattered showers and thunder developed in the southeast. Very little rain and snow accumulation occurred from these upper level disturbances. The highest daily average wind speeds were 16 mph, 11 mph, 19 mph, and 13 mph each consecutive day. Winds gusted in the 30s each day, primarily in the southwest on Sunday and in the panhandle Monday through Wednesday.

JANUARY 21: Temperatures were much cooler on the 21st which aided in frozen fog and drizzle in the northern and far eastern portions of the state. Liquid precipitation fell in the south. The top three liquid rain gauge measurements from the Mesonet were 1.75 inches in Cloudy, 1.01 inches in Antlers, and .87 inches in Valliant. Highs ranged from 32 degrees in Newkirk and Foraker to 47 degrees in Hooker. Lows were between 17 degrees in Beaver and 35 degrees in the southeast. Average wind speeds were between 5 and

22 mph. The highest wind gust reported was 48 mph in Goodwell.

JANUARY 22-25: A warming trend ensued just before a cold front moved into the region on the 24th and 25th. The highest maximum temperatures warmed from 54 degrees in Kenton on the 22nd to the low 70s in the northwest (Jan. 24) and southeast (Jan. 25). The lowest maximum temperatures warmed from the upper 20s to the upper 40s and low 50s. The highest minimum temperatures increased from 30 degrees in Ardmore and Valliant to 42 degrees in Broken Bow and Valliant. The lowest minimum temperatures increased from the mid-teens to the low 20s. Despite the frontal passage, rainfall remained negligible. The highest daily average wind speeds and wind gusts were 20 mph gusting to 42 mph on the 22nd, 13 mph gusting to 36 mph on the 23rd, 24 mph gusting to 46 mph on the 24th, and 17 mph gusting to 45 mph on the 25th.

JANUARY 26: Temperatures were much cooler on the 26th due to the passing cold front the previous day. High temperatures were between 44 degrees in Jay and 53 degrees in Hollis and Waurika. Low temperatures were between 17 degrees in Kenton and 35 degrees in Durant and Hugo. Skies were rain-free and daily wind speeds averaged less than 11 mph.

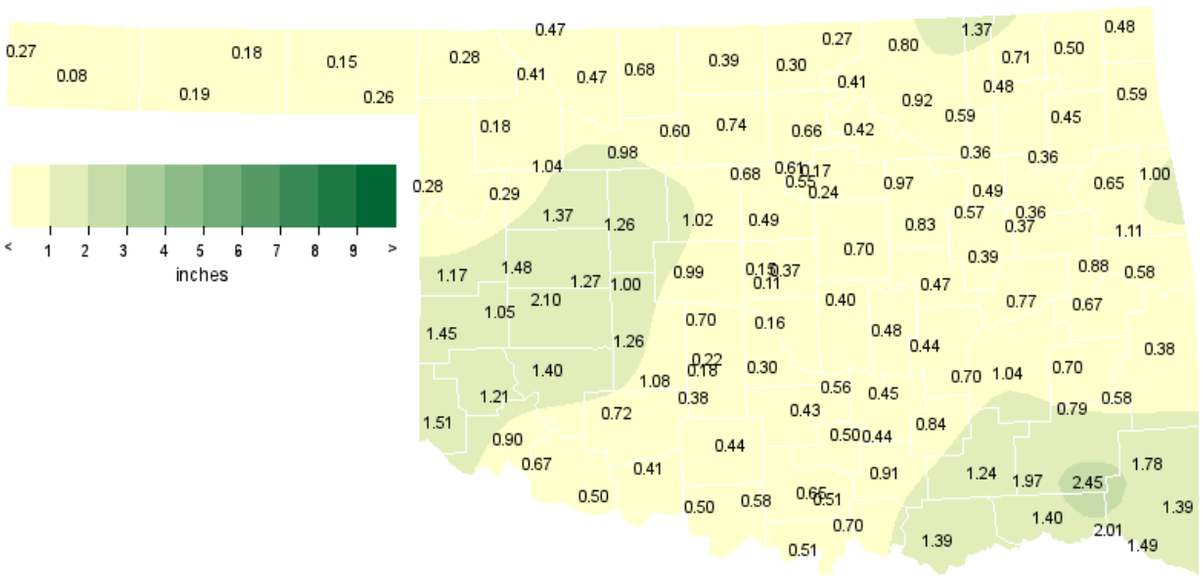
JANUARY 27-30: Temperatures soared, measuring above normal for late January. The warmest temperatures recorded in Oklahoma during this period climbed from 61 degrees in Goodwell and Hooker on the 27th to a blissful 85 degrees in Hollis on the 30th. The lowest maximum temperatures were between 52 degrees and 67 degrees. The highest minimum temperatures increased from 32 degrees in Cheyenne on the 27th to 48 degrees in Hugo on the 30th. The lowest minimum temperatures increased from 15 degrees in Nowata, Kenton, and Beaver to 23 degrees in Beaver. Temperatures were so warm for this time of year that McAlester broke its daily high temperature record with 76 degrees and 73 degrees on the 29th and 30th, respectively. Oklahoma City also broke its daily high temperature record with 76 degrees on the 29th and 30th. Skies were absent of any rain. The highest daily average wind speeds were 13-16 mph. The top wind gusts were in the 20s on the 27th and 28th, and in the 40s the following two days.

JANUARY 31: January ended with another cold and dry frontal passage that moved in from the northwest. Temperatures were a little cooler with highs ranging between 48 degrees in Boise City and 75 degrees in Broken Bow. Low temperatures were between 25 degrees in Boise City and 51 degrees in Cloudy. Daily average wind speeds were 3-17 mph. The top three highest wind gust measurements were 44 mph in Medicine Park, 41 mph in Stigler, and 40 mph in Hooker and Slapout.

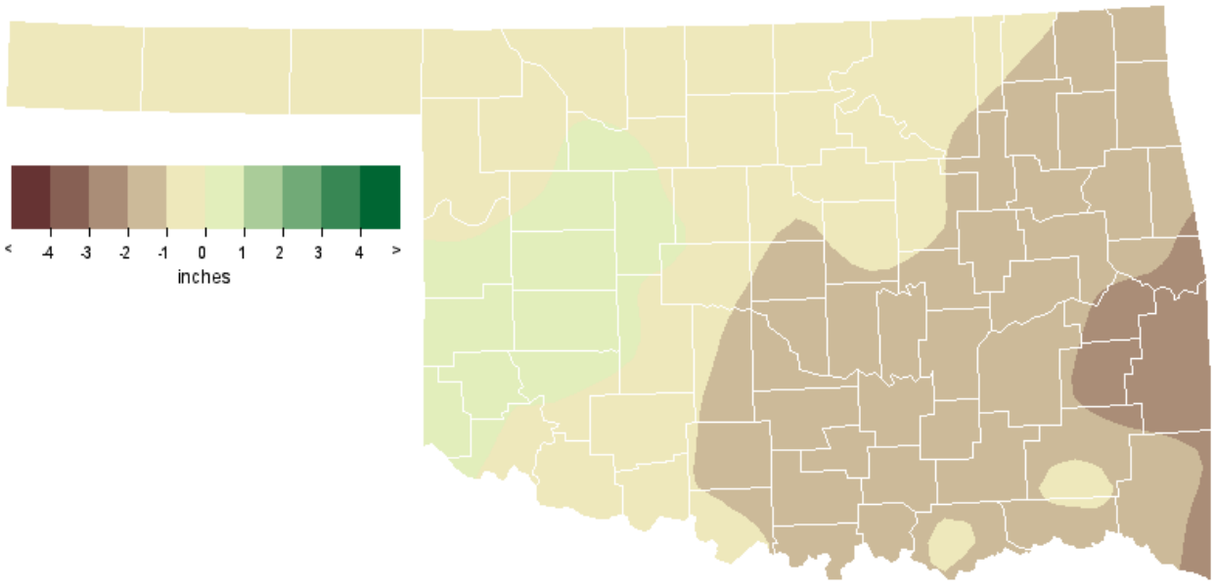
JANUARY 2016 SEVERE WEATHER

No severe weather reported.

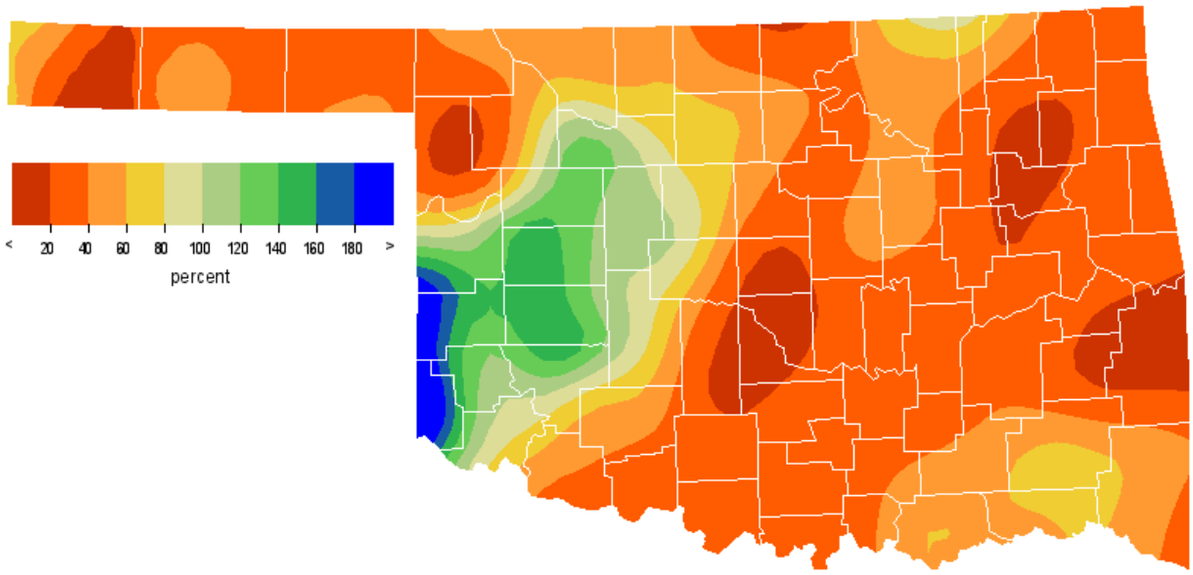
JANUARY 2016 OBSERVED PRECIPITATION



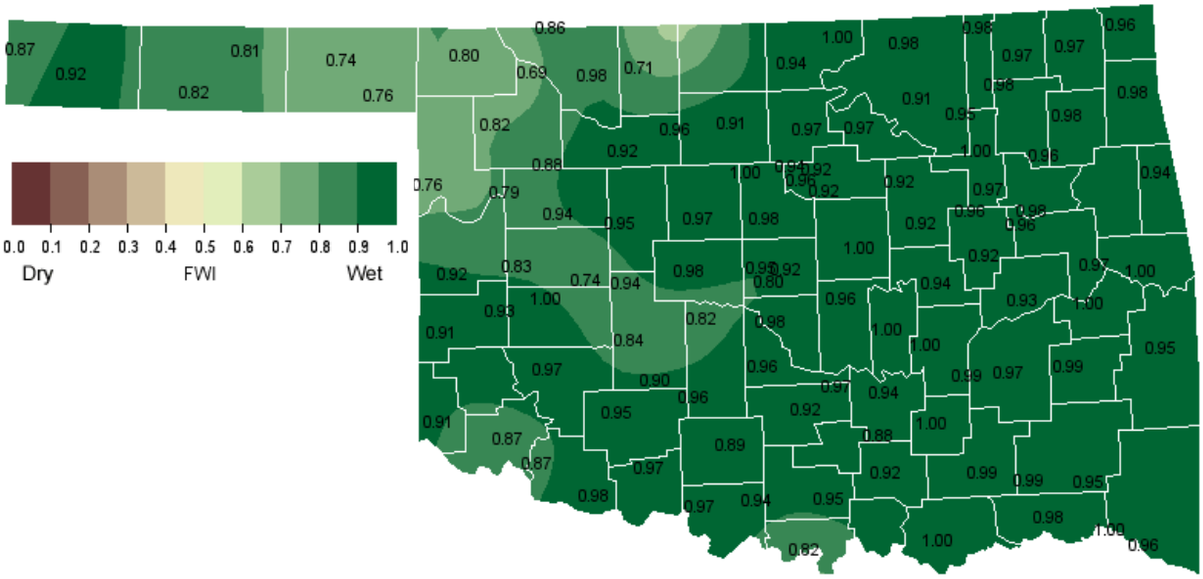
JANUARY 2016 DEPARTURE FROM NORMAL PRECIPITATION



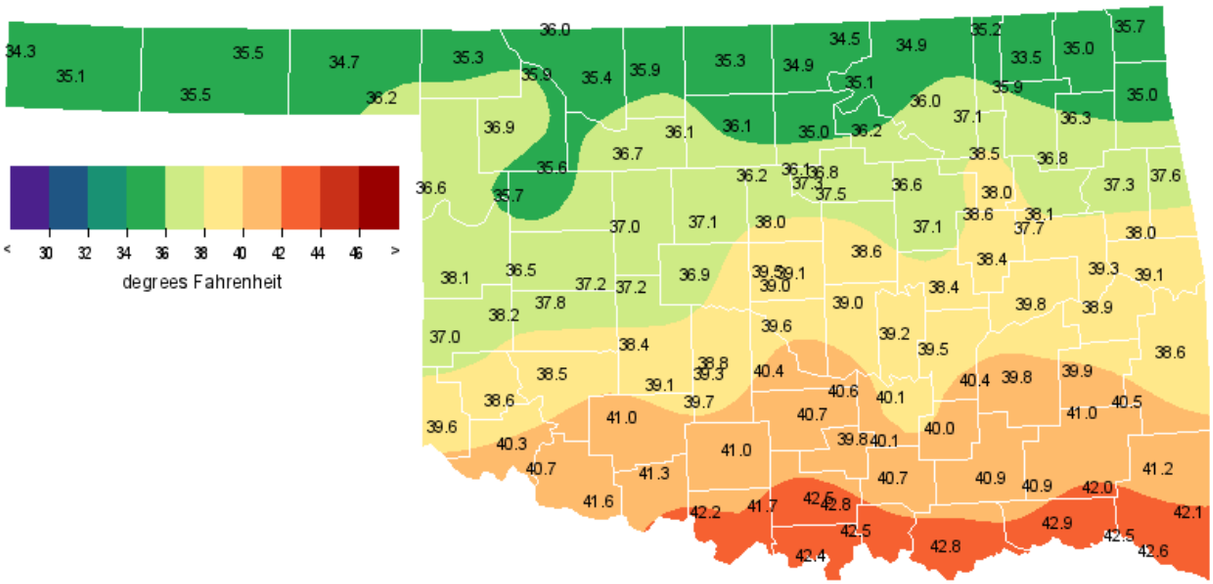
JANUARY 2016 PERCENT OF NORMAL PRECIPITATION



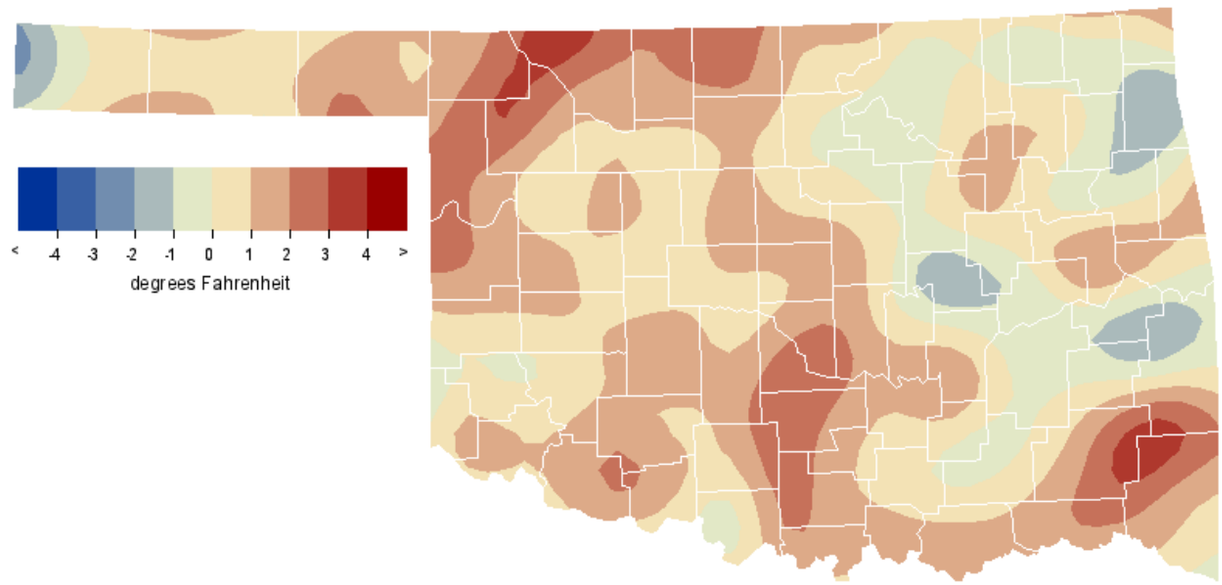
JANUARY 2016 AVERAGE SOIL MOISTURE AT 25CM



JANUARY 2016 AVERAGE TEMPERATURE



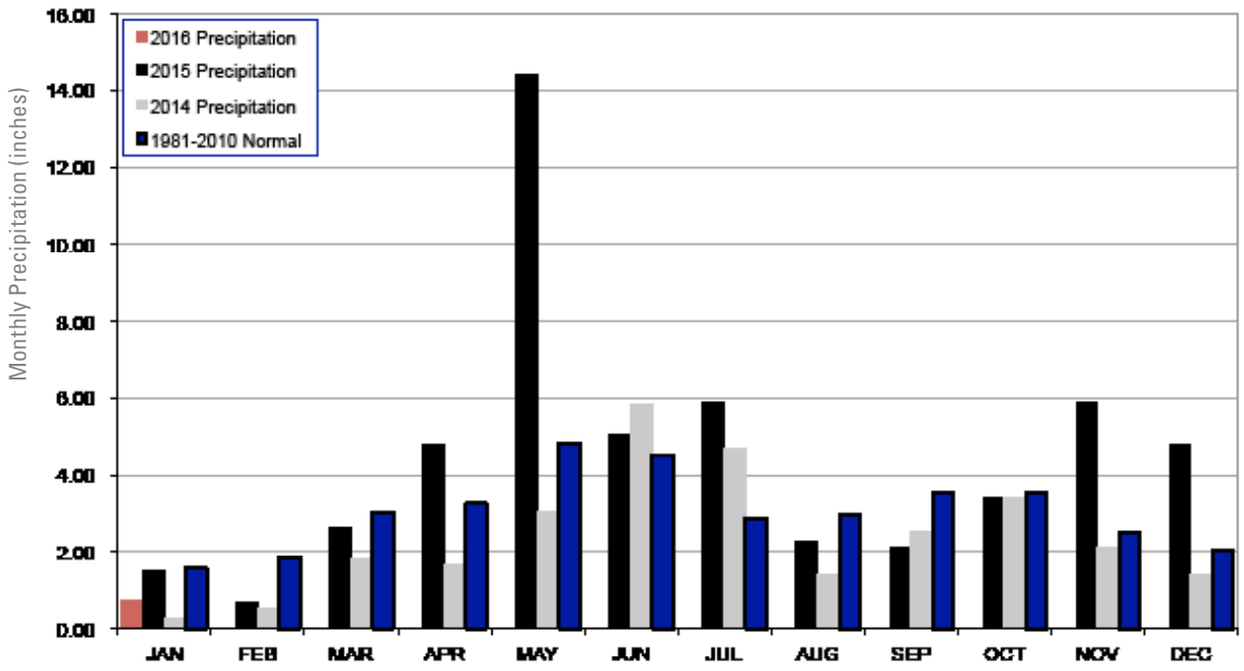
JANUARY 2016 DEPARTURE FROM NORMAL TEMPERATURE



MESONET MONTHLY SUMMARY FOR JANUARY 2016

NAME	MEAN TEMP	HIGH TEMP	HIGH DAY	LOW TEMP	LOW DAY	HDD	CDD	TOT PPT	HIGH 24-HR	HIGH DAY
PANHANDLE										
Arnett	36.6	80	30	9	10	881	0	.28	.12	11
Beaver	34.7	75	29	8	10	940	0	.15	.08	11
Boise City	35.0	72	30	11	9	929	0	.08	.04	10
Buffalo	35.3	74	30	11	10	922	0	.28	.19	7
Goodwell	35.5	75	30	11	1	914	0	.19	.14	11
Hooker	35.5	73	29	12	10	913	0	.18	.08	9
Kenton	34.3	72	30	4	11	951	0	.27	.15	9
Slapout	36.2	77	30	8	10	893	0	.26	.11	11
NORTH CENTRAL										
Alva	35.4	72	29	14	20	917	0	.47	.20	7
Blackwell	34.9	74	29	9	10	933	0	.30	.08	2
Breckinridge	36.0	74	30	13	10	897	0	.74	.26	2
Cherokee	35.9	70	29	14	10	901	0	.68	.21	2
Fairview	36.7	73	30	15	10	877	0	.98	.24	2
Freedom	35.9	74	30	11	10	904	0	.41	.25	7
Lahoma	36.0	72	30	14	10	898	0	.60	.17	2
May Ranch	36.0	70	30	10	10	899	0	.47	.39	7
Medford	35.3	71	29	12	10	920	0	.39	.17	7
Newkirk	34.5	74	29	5	10	946	0	.27	.13	7
Red Rock	36.1	76	29	10	10	****	****	.66	.28	2
Seiling	35.6	75	30	11	10	910	0	1.04	.27	5
Woodward	36.9	77	30	11	10	871	0	.18	.04	7
NORTHEAST										
Bixby	38.0	75	29	12	10	836	0	.49	.29	7
Burbank	35.1	75	29	9	10	926	0	.41	.17	7
Copan	35.1	74	29	7	10	926	0	1.37	.61	7
Foraker	34.9	75	29	5	10	934	0	.80	.31	7
Inola	36.7	73	29	12	10	877	0	.36	.21	7
Jay	36.1	71	29	10	18	****	****	.59	.24	7
Miami	35.6	72	29	9	10	910	0	.48	.20	7
Nowata	34.6	73	29	9	10	****	****	.71	.30	7
Pawnee	36.2	76	29	9	10	893	0	.42	.17	7
Porter	38.1	73	29	12	10	834	0	.36	.19	7
Pryor	36.3	73	29	10	10	890	0	.45	.19	7
Skiatook	37.0	74	29	8	10	867	0	.59	.22	7
Talala	35.8	74	29	8	10	904	0	.48	.26	7
Tulsa	38.5	75	29	11	10	820	0	.36	.20	7
Vinita	35.0	71	29	8	10	930	0	.50	.28	7
Wynona	36.0	76	29	8	10	899	0	.92	.43	7
WEST CENTRAL										
Bessie	37.8	79	30	16	10	843	0	2.10	.64	6
Butler	36.6	80	30	12	10	880	0	1.48	.27	6
Camargo	35.7	79	30	11	10	910	0	.29	.07	1
Cheyenne	38.1	82	30	13	10	833	0	1.17	.23	2
Elk City	38.2	81	30	16	10	832	0	1.05	.27	2
Erick	37.0	83	30	11	10	868	0	1.45	.33	16
Putnam	*****	***	***	***	***	****	****	1.37	.37	6
Watonga	37.0	73	30	13	10	867	0	1.26	.31	5
Weatherford	37.1	75	30	15	10	864	0	1.27	.31	5
CENTRAL										
Acme	39.7	76	30	16	10	785	0	.38	.17	16
Bowlegs	39.2	76	29	15	10	799	0	.48	.20	6
Bristow	37.2	76	29	11	10	863	0	.83	.25	7
Lake Carl Blac	36.1	76	29	10	18	895	0	.61	.20	2
Chandler	38.6	77	29	12	10	819	0	.70	.18	8
Chickasha	38.8	76	30	18	27	812	0	.22	.14	9
El Reno	36.8	74	30	14	10	873	0	.99	.36	2
Guthrie	38.0	76	30	13	10	837	0	.49	.24	2
Kingfisher	37.1	75	30	16	10	866	0	1.02	.33	2
Marena	37.3	76	29	12	18	860	0	.55	.22	2
Minco	*****	***	***	***	***	****	****	.70	.33	2
Marshall	36.2	75	30	14	10	892	0	.68	.24	2
Ninnekah	39.4	76	30	18	10	795	0	.18	.10	9
Norman	39.6	76	29	16	10	787	0	.16	.05	9
Oilton	36.5	76	29	10	10	882	0	.97	.36	7
OKC East	39.0	75	29	15	10	805	0	.11	.05	6
OKC North	39.5	76	29	14	10	789	0	.15	.05	1
Okemah	38.4	74	29	13	10	826	0	.47	.24	7
Perkins	37.4	76	29	13	10	854	0	.24	.12	6
Shawnee	39.0	75	29	14	10	807	0	.40	.16	8
Spencer	39.1	76	29	13	10	802	0	.37	.11	1
Stillwater	36.8	76	29	12	10	873	0	.17	.10	6
Washington	40.3	77	29	16	10	765	0	.30	.07	11
EAST CENTRAL										
Cookson	38.0	72	30	12	10	836	0	1.11	.57	7
Eufaula	39.8	74	29	16	10	780	0	.77	.51	7
Haskell	37.7	73	29	12	10	846	0	.37	.23	7
Hectorville	38.6	75	29	11	10	817	0	.57	.26	7
Holdenville	39.5	75	29	15	10	792	0	.44	.18	6
McAlester	39.9	75	29	17	10	780	0	1.04	.37	8
Okmulgee	38.4	76	29	13	10	825	0	.39	.26	7
Sallisaw	39.1	75	30	16	11	803	0	.58	.49	7
Stigler	38.9	74	30	16	11	808	0	.67	.52	7
Stuart	40.4	75	29	16	10	763	0	.70	.36	6
Tahlequah	37.3	72	29	11	10	859	0	.65	.33	7
Webbers Falls	39.2	75	30	19	10	799	0	.88	.48	7
Westville	37.7	72	30	12	10	848	0	1.00	.49	7
SOUTHWEST										
Altus	40.3	81	30	21	27	765	0	.90	.34	16
Apache	39.1	76	30	16	10	803	0	1.08	.38	2
Fort Cobb	38.3	76	30	19	10	826	0	1.26	.36	2
Grandfield	41.6	81	30	21	10	726	0	.50	.30	16
Hinton	37.2	75	30	15	10	862	0	1.00	.26	2
Hobart	38.5	79	30	20	10	822	0	1.40	.31	2
Hollis	39.7	85	30	19	23	785	0	1.51	.39	2
Mangum	38.6	82	30	16	10	819	0	1.21	.37	2
Medicine Park	41.0	79	30	17	10	744	0	.72	.30	16
Tipton	40.7	80	30	21	27	754	0	.67	.32	16
Walters	41.3	78	30	19	10	734	0	.41	.25	16
SOUTH CENTRAL										
Ada	40.1	75	29	16	10	773	0	.45	.23	6
Ardmore	42.7	75	29	21	10	691	0	.51	.25	6
Burneyville	42.5	77	29	20	18	699	0	.51	.28	6
Byars	40.5	76	29	16	10	759	0	.56	.28	6
Centrahoma	40.0	74	29	18	10	776	0	.84	.66	6
Durant	42.9	75	29	21	10	686	0	1.39	.89	6
Fittstown	40.2	74	29	17	10	770	0	.44	.23	6
Ketchum Ranch	41.0	77	30	18	10	745	0	.44	.27	16
Lane	40.9	74	29	20	10	748	0	1.24	.51	6
Madill	42.4	75	29	21	10	701	0	.70	.48	6
Newport	42.5	76	29	19	10	699	0	.65	.28	6
Pauls Valley	40.8	76	29	18	10	752	0	.43	.24	6
Ringling	41.8	76	30	19	10	720	0	.58	.33	16
Sulphur	39.8	75	29	17	27	782	0	.50	.22	6
Tishomingo	40.7	74	29	19	10	752	0	.91	.52	6
Waurika	42.2	80	30	19	10	706	0	.50	.33	16
SOUTHEAST										
Antlers	40.8	75	29	19	17	749	0	1.97	1.01	21
Broken Bow	42.1	75	31	22	17	711	0	1.39	.53	7
Clayton	41.0	74	29	19	10	743	0	.79	.57	7
Cloudy	42.1	73	29	21	10	711	0	2.45	1.75	21
Hugo	42.9	74	29	21	10	685	0	1.40	.55	21
Idabel	42.6	74	31	23	27	694	0	1.49	.50	21
Mt Herman	41.2	71	31	19	10	738	0	1.78	.69	7
Talihina	40.4	73	29	17	27	761	0	.58	.37	7
Valliant	42.4	74	31	21	27	700	0	2.01	.87	21
Wilburton	39.8	74	29	17	10	780	0	.70	.48	7
Wister	38.6	75	30	15	11	819	0	.38	.33	7

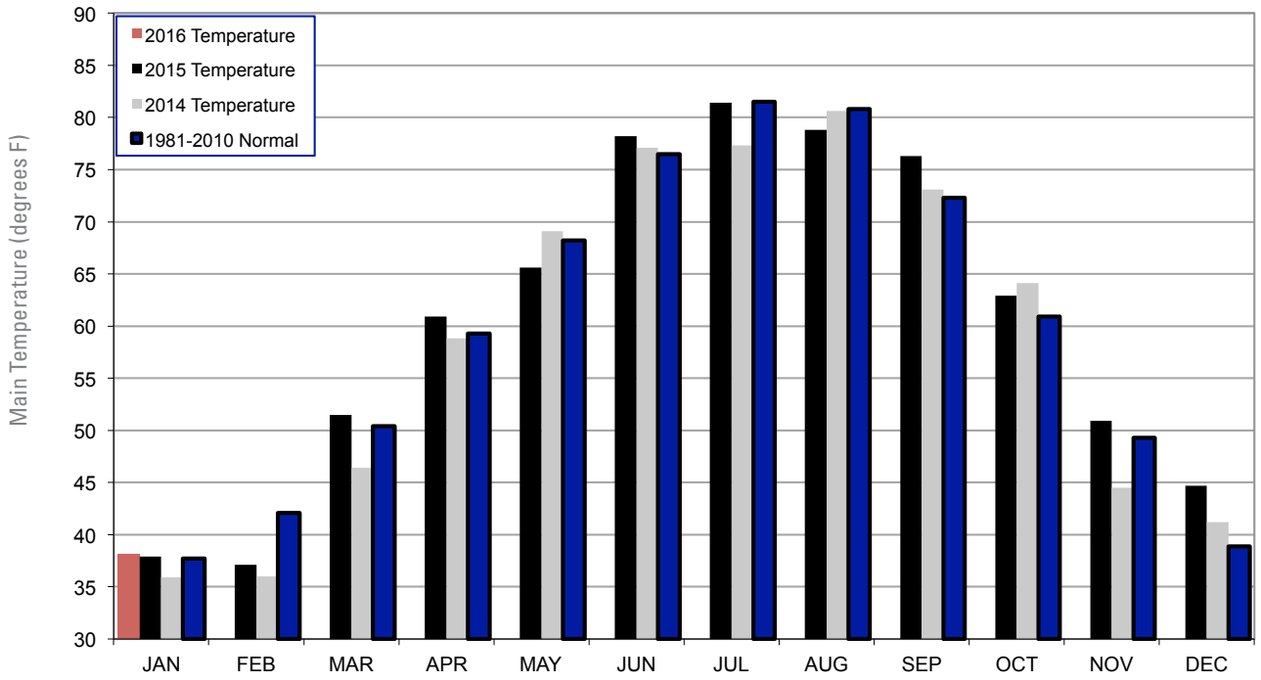
2014, 2015 AND 2016 STATEWIDE PRECIPITATION MONTHLY TOTALS VS. NORMAL



January 2016 Mesonet Precipitation Comparison

Climate Division	Precipitation (inches)	Departure from Normal (inches)	Rank since 1895	Wettest on Record (Year)	Driest on Record (Year)	Dec-15 (inches)
Panhandle	0.21	-0.33	40th Driest	1.78 (2005)	0.00 (1923)	0.79
North Central	0.55	-0.42	52nd Driest	4.16 (1949)	0.00 (1986)	0.29
Northeast	0.58	-1.14	17th Driest	6.87 (1916)	0.01 (1986)	0.59
West Central	1.27	0.36	27th Wettest	3.74 (1949)	0.00 (1976)	0.80
Central	0.49	-0.95	27th Driest	5.58 (1949)	0.00 (1986)	0.97
East Central	0.71	-1.71	19th Driest	11.21 (1916)	0.04 (1986)	1.45
Southwest	0.97	-0.15	50th Wettest	4.48 (1949)	0.00 (1912)	1.18
South Central	0.67	-1.33	26th Driest	7.70 (1916)	0.03 (1986)	1.89
Southeast	1.36	-1.75	26th Driest	11.13 (1949)	0.20 (1943)	3.30
Statewide	0.71	-0.85	29th Driest	5.35 (1949)	0.03 (1986)	1.20

2014, 2015 AND 2016 STATEWIDE TEMPERATURE MONTHLY TOTALS VS. NORMAL



January 2016 Mesonet Temperature Comparison

Climate Division	Average Temp (F)	Departure from Normal (F)	Rank since 1895	Hottest on Record (Year)	Coldest on Record (Year)	Dec-15 (F)
Panhandle	35.4	0.5	44th Warmest	42.9 (2006)	19.7 (1940)	35.9
North Central	35.7	0.6	42nd Warmest	45.0 (2006)	18.8 (1940)	36.1
Northeast	36.1	0.3	58th Warmest	46.2 (2006)	20.6 (1940)	35.7
West Central	37.2	0.2	47th Warmest	46.1 (2006)	21.3 (1930)	37.1
Central	38.2	0.3	51st Warmest	47.7 (2006)	22.8 (1930)	38.3
East Central	38.8	0.2	55th Warmest	48.0 (1923)	24.8 (1918)	38.5
Southwest	39.7	0.3	47th Warmest	48.1 (2006)	23.6 (1930)	39.8
South Central	41.3	0.5	48th Warmest	49.7 (1923)	27.5 (1930)	39.8
Southeast	41.3	0.9	47th Warmest	48.7 (1907)	27.7 (1918)	39.5
Statewide	38.1	0.4	49th Warmest	46.8 (2006)	23.7 (1940)	37.8

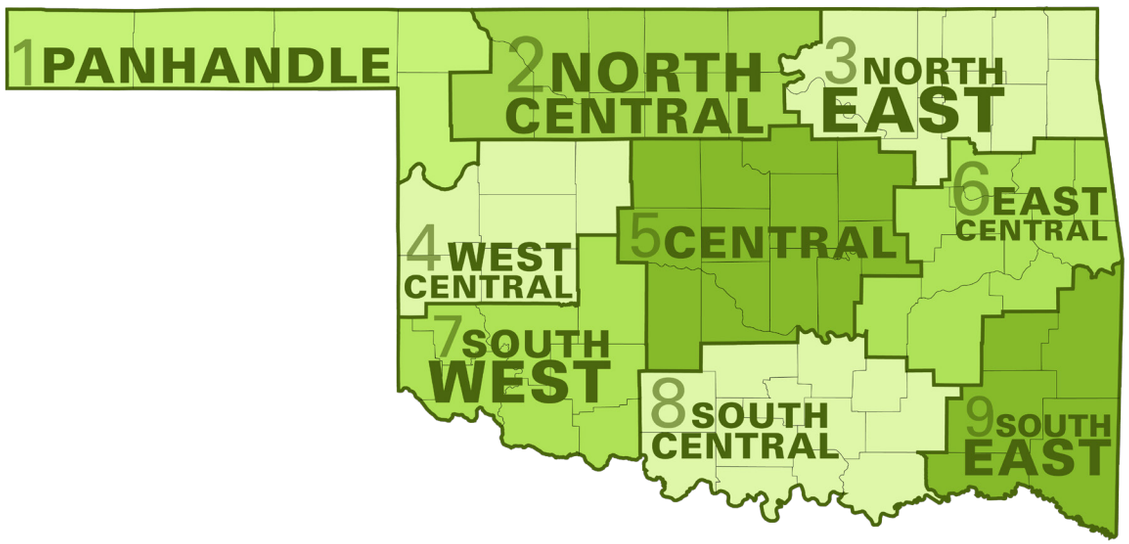
RECORD EVENT REPORTS JANUARY 2016

Description	Day	Location	Record	Previous Record	Year
Daily maximum rainfall	7	McAlester	0.31	0.3	1973
Daily high temperature	29	McAlester	76	74	2011
Daily maximum temperature	29	Oklahoma City	76	76	2011
Daily maximum temperature	30	Oklahoma City	76	74	1917
Daily high temperature	30	McAlester	73	73	1962

MESONET EXTREMES FOR JANUARY 2016

Climate Division	High Temp (F)	Day	Station	Low Temp (F)	Day	Station	High Monthly Rainfall (inches)	Station	High Daily Rainfall (inches)	Day	Station
Panhandle	80	30th	Arnett	4	11th	Kenton	0.28	Buffalo	0.19	7th	Buffalo
North Central	77	30th	Woodward	5	10th	Newkirk	1.04	Seiling	0.39	7th	May Ranch
Northeast	76	29th	Pawnee	5	10th	Foraker	1.37	Copan	0.61	7th	Copan
West Central	83	30th	Erick	11	10th	Erick	2.10	Bessie	0.64	6th	Bessie
Central	77	29th	Chandler	10	10th	Oilton	1.02	Kingfisher	0.36	7th	Oilton
East Central	76	29th	Okmulgee	11	10th	Tahlequah	1.11	Cookson	0.57	7th	Cookson
Southwest	85	30th	Hollis	15	10th	Hinton	1.51	Hollis	0.39	2nd	Hollis
South Central	80	30th	Waurika	16	10th	Byars	1.39	Durant	0.89	6th	Durant
Southeast	75	30th	Wister	15	11th	Wister	2.45	Cloudy	1.75	21st	Cloudy
Statewide	85	30th	Hollis	4	11th	Kenton	2.45	Cloudy	1.75	21st	Cloudy

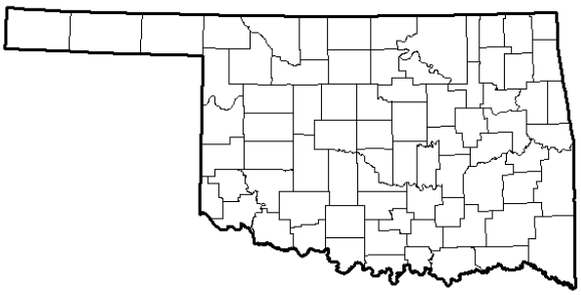
Oklahoma Climate Divisions



JANUARY 2016 DROUGHT MONITOR

U.S. Drought Monitor

Oklahoma



January 26, 2016

(Released Thursday, Jan. 28, 2016)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	100.00	0.00	0.00	0.00	0.00	0.00
Last Week 1/19/2016	100.00	0.00	0.00	0.00	0.00	0.00
3 Months Ago 10/27/2015	33.36	66.64	17.68	2.79	0.00	0.00
Start of Calendar Year 12/29/2015	100.00	0.00	0.00	0.00	0.00	0.00
Start of Water Year 9/29/2015	52.60	47.40	16.79	6.37	0.97	0.00
One Year Ago 1/27/2015	5.03	94.97	60.60	45.34	22.58	5.69

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:
Mark Svoboda
National Drought Mitigation Center

http://droughtmonitor.unl.edu/

INTERPRETATION INFORMATION

MEAN DAILY TEMPERATURE: Calculated from an average of the daily maximum and minimum temperatures. Daily averages are summed for each day, and then divided by the number of valid data points – typically the number of days in the month. Although this November differ from the "true" daily average, it is consistent with historical methods of observation and comparable to the normals and extremes for stations and regions of the state.

DEGREE DAYS: Degree Days are calculated each day of the month for which there is a temperature report and the mean temperature for the day is less than (Heating Degree Days) or greater than (Cooling Degree Days) 65 degrees. Daily values are summed to arrive at a monthly total. HDD/CDD are qualitative measures of how much heating/cooling was required to maintain a comfortable indoor temperature. Missing observations November result in an artificially high or low value.

SEVERE WEATHER REPORTS: Only the most significant events are listed. Tornadoes of F2 or greater strength (on the 0-5 Fujita scale), hail of two inches diameter or greater, and wind speeds of 70 miles per hour or above are listed. National Weather Service defines storms as severe when they produce a tornado, hail of three-quarters inch or greater, or wind speeds above 57 miles per hour (50 knots). For additional reports, contact the Oklahoma Climatological Survey, Storm Prediction Center, or your local National Weather Service forecast office.

SOIL MOISTURE: The soil moisture variable displayed is the Fractional Water Index (FWI), measured at a depth of 25 cm. This unitless value ranges from very dry soil having a value of 0, to saturated soils having a value of 1.

ADDITIONAL RESOURCES

SUNRISE / SUNSET TABLES
U.S. Naval Observatory: http://aa.usno.navy.mil/data

SEVERE STORM REPORTS
Storm Prediction Center: http://spc.noaa.gov/climo/

National Climatic Data Center (more than about 4-5 months old):
http://www4.ncdc.noaa.gov/cgi-win/wwcgi.dll?wwEvent~Storms

SEASONAL OUTLOOKS
Climate Prediction Center:
http://www.cpc.ncep.noaa.gov/products/OUTLOOKS_index.html

CLIMATE CALENDARS AND OTHER LOCAL WEATHER AND CLIMATE INFORMATION
Oklahoma Climatological Survey:
http://climate.mesonet.org or http://climate.ok.gov/

OKLAHOMA CLIMATOLOGICAL SURVEY

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