Temperature and Precipitation Plot for Oklahoma City, Oklahoma for 2018

http://xmacis.rcc-acis.org/
Rainfall Summaries by Oklahoma Climate Division

<table>
<thead>
<tr>
<th>Climate Division</th>
<th>Total Rainfall</th>
<th>Departure from Normal</th>
<th>Pct of Normal</th>
<th>Rank since 1921 (88 periods)</th>
<th>Driest on Record</th>
<th>Wettest on Record</th>
</tr>
</thead>
<tbody>
<tr>
<td>W. Central</td>
<td>0.68&quot;</td>
<td>-1.45&quot;</td>
<td>32%</td>
<td>20th driest</td>
<td>0.13&quot; (1970)</td>
<td>5.11&quot; (1949)</td>
</tr>
<tr>
<td>Central</td>
<td>3.75&quot;</td>
<td>+0.43&quot;</td>
<td>113%</td>
<td>26th wettest</td>
<td>0.44&quot; (1976)</td>
<td>7.84&quot; (1949)</td>
</tr>
<tr>
<td>S. Central</td>
<td>7.56&quot;</td>
<td>+3.12&quot;</td>
<td>170%</td>
<td>9th wettest</td>
<td>0.65&quot; (1976)</td>
<td>11.02&quot; (1932)</td>
</tr>
<tr>
<td>Statewide</td>
<td>4.82&quot;</td>
<td>+1.35&quot;</td>
<td>139%</td>
<td>14th wettest</td>
<td>0.59&quot; (1976)</td>
<td>7.63&quot; (1949)</td>
</tr>
</tbody>
</table>

Water Year: 01-Oct-2017 through 01-Mar-2018

<table>
<thead>
<tr>
<th>Climate Division</th>
<th>Total Rainfall</th>
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</tr>
</thead>
<tbody>
<tr>
<td>W. Central</td>
<td>3.85&quot;</td>
<td>-3.82&quot;</td>
<td>50%</td>
<td>16th driest</td>
<td>1.48&quot; (1966-67)</td>
<td>15.99&quot; (1986-87)</td>
</tr>
<tr>
<td>Central</td>
<td>9.41&quot;</td>
<td>-2.02&quot;</td>
<td>82%</td>
<td>48th wettest</td>
<td>3.05&quot; (2005-06)</td>
<td>22.16&quot; (1984-85)</td>
</tr>
<tr>
<td>S. Central</td>
<td>11.47&quot;</td>
<td>-2.66&quot;</td>
<td>81%</td>
<td>41st driest</td>
<td>3.74&quot; (1966-67)</td>
<td>26.55&quot; (2000-01)</td>
</tr>
<tr>
<td>Statewide</td>
<td>9.54&quot;</td>
<td>-2.01&quot;</td>
<td>83%</td>
<td>46th wettest</td>
<td>3.57&quot; (1966-67)</td>
<td>19.06&quot; (1984-85)</td>
</tr>
</tbody>
</table>

Winter: 01-Dec 2017 through 01-Mar-2018

<table>
<thead>
<tr>
<th>Climate Division</th>
<th>Total Rainfall</th>
<th>Departure from Normal</th>
<th>Pct of Normal</th>
<th>Rank since 1921 (88 periods)</th>
<th>Driest on Record</th>
<th>Wettest on Record</th>
</tr>
</thead>
<tbody>
<tr>
<td>W. Central</td>
<td>0.76&quot;</td>
<td>-2.59&quot;</td>
<td>23%</td>
<td>3rd driest</td>
<td>0.54&quot; (2005-06)</td>
<td>8.12&quot; (1959-60)</td>
</tr>
<tr>
<td>Central</td>
<td>4.49&quot;</td>
<td>-0.82&quot;</td>
<td>85%</td>
<td>48th wettest</td>
<td>0.90&quot; (2005-06)</td>
<td>14.09&quot; (1984-85)</td>
</tr>
<tr>
<td>S. Central</td>
<td>9.29&quot;</td>
<td>+2.26&quot;</td>
<td>132%</td>
<td>17th wettest</td>
<td>1.99&quot; (1966-67)</td>
<td>13.14&quot; (1937-38)</td>
</tr>
<tr>
<td>Statewide</td>
<td>5.85&quot;</td>
<td>+0.31&quot;</td>
<td>106%</td>
<td>28th wettest</td>
<td>1.52&quot; (2005-06)</td>
<td>10.52&quot; (1984-85)</td>
</tr>
</tbody>
</table>

The climate divisions shown include statewide totals, central Oklahoma totals, and totals for the two divisions which have Canton Lake and Lake Atoka—major water sources for central Oklahoma.

http://climate.ok.gov/index.php/drought/last_30_days/
White areas are shown as EC (Equal Chance) on these maps represent areas where there are no strong climate signals from the climate tools to have skill in preferring one category over another. That doesn’t mean that there are equal chances of each of the categories occurring – it means that currently there is no skill in identifying the most likely category. In these areas, it is best to be prepared for all possibilities.

http://www.cpc.ncep.noaa.gov/products/predictions/30-day/
This graph shows the cyclical nature of wet and drought periods in Oklahoma. The black dots represent the annual precipitation for that particular year. The line represents the annual precipitation data smoothed over five years. This smoothed line shows well the wet periods (shaded green) and the drought periods (shaded brown). The drought cycles appear to average about five to eight years in length.
The Palmer Drought Index (PDI) maps show long-term (cumulative) meteorological drought and wet conditions. The maps show how the geographical pattern of the long-term (meteorological) moisture conditions has changed over the last 12 months. On these maps, the red shading denotes drought conditions while the green shading indicates wet conditions.

Abnormal dryness or drought are currently affecting approximately 3,648,000 people in Oklahoma, which is about 97% of the state's population.

https://www.drought.gov/drought/states/oklahoma
U.S. Drought Monitor Nationwide Map

Map for March 1, 2018
Data valid: February 27, 2018 | Author: Deborah Bathke, National Drought Mitigation Center

http://droughtmonitor.unl.edu
U.S. Drought Monitor

Monthly Drought Outlook Map

U.S. Monthly Drought Outlook
Drought Tendency During the Valid Period

Valid for March 2018
Released February 28, 2018

U.S. Drought Monitor
Seasonal Drought Outlook Map

U.S. Seasonal Drought Outlook
Drought Tendency During the Valid Period

Valid for February 15 - May 31, 2018
Released February 15, 2018

Author: David Mockus
NOAA/NWS/NCEP/Climatic Prediction Center

USGS Streamflow Data

Friday, March 02, 2018 15:30 ET

Thursday, March 01, 2018

Below normal 28-day average streamflow

http://waterwatch.usgs.gov/new/?m=real&r=ok&w=map

http://waterwatch.usgs.gov/new/?m=real&r=ok&w=map
SOIL MOISTURE MAP

1-day Average 24-inch Fractional Water Index

Created 9:30 am March 2, 2018 037 © Copyright 2016

http://www.mesonet.org/index.php/weather/map/24-inch_fractional_water_index/soil_moisture
CONSECUTIVE DAYS WITHOUT RAINFALL MAP

http://www.mesonet.org/index.php/weather/map/
consecutive_days_with_less_than_0.25_inches_Rainfall/rainfall
The graph is the amount of water stored in five major lakes that supply water to central Oklahoma as a percent of capacity over the past year.
Oklahoma Surface Water Resources
Reservoir Levels and Storage as of 3/2/2018

Reservoir Storage
(Percent of Normal Pool Storage as of 3/2/2018)

- > 100%
- 100% - 90%
- 89% - 80%
- 79% - 70%
- 69% - 60%
- 59% - 50%
- 49% - 40%
- 39% - 30%
- < 30%

Reservoir Levels
Positive number indicates the lake level in feet above the normal pool elevation.
Negative number indicates the lake level in feet below the normal pool elevation.

This map shows reservoir storage as a percentage of normal pool storage capacity.
The source information was collected from real-time lake gauge monitored by the
U.S. Army Corps of Engineers (https://www.mwr.nearhome.army.mil/reservoir.htm) and the
For more information please visit the OWRB’s website at
(https://www.owrb.ok.gov/)

Groundwater Levels
Spencer Mesonet Station

http://www.mesonet.org/index.php/weather/groundwater
ENSO Cycle
Recent Evolution, Current Status and Predictions

**Summary**

ENSO Alert System Status: La Niña Advisory

- La Niña conditions are present.
- Equatorial sea surface temperatures (SSTs) are below average in the central and eastern Pacific Ocean.
- A transition from La Niña to ENSO-neutral is most likely during the Northern Hemisphere spring (~55% chance of ENSO-neutral during the March-May season).