NOAA Climate Science and Services Monthly Climate Update



Ahira Sánchez-Lugo

Climatologist, NOAA National Centers for Environmental Information (NCEI)

Jared Guyer

Lead Forecaster, NOAA/NWS Storm Prediction Center

Johnna Infanti

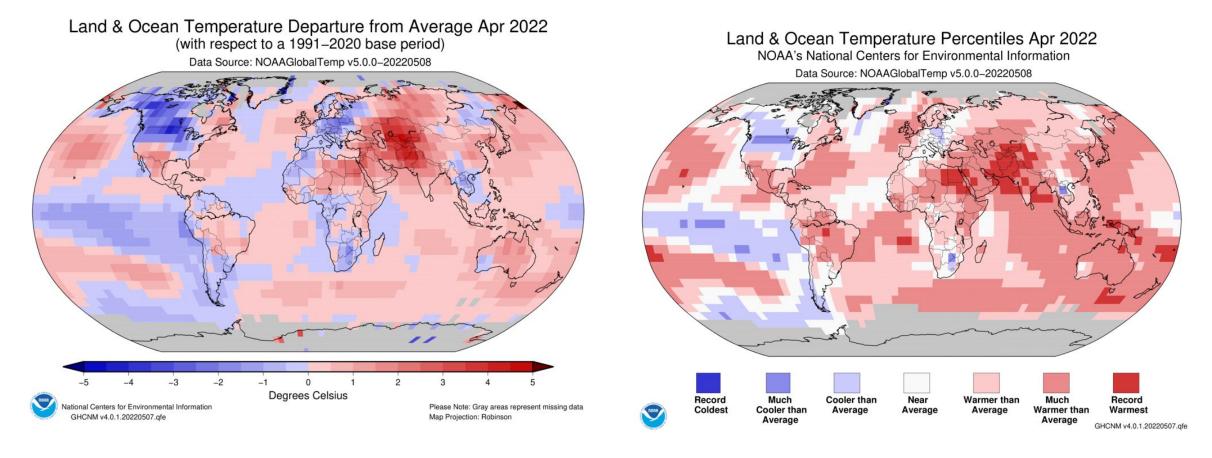
Meteorologist, NOAA Climate Prediction Center

National Oceanic and Atmospheric Administration

April 2022

April Global Temperature

The global temperature record dates back to 1880 (143 years)

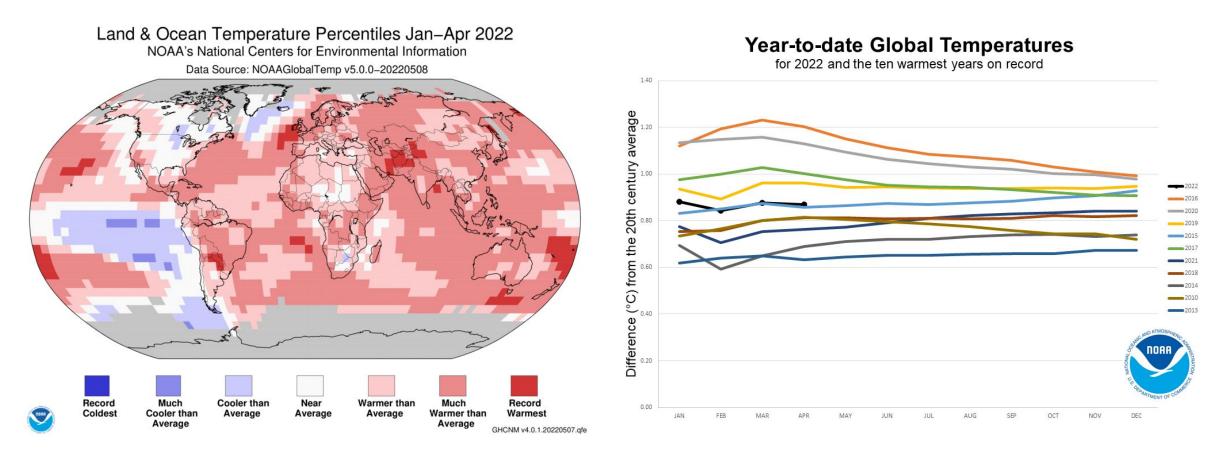


• Global Land & Ocean: +0.85°C / +1.53°F and tied with 2010 as the fifth-highest for April



Jan-Apr Global Temperature

The global temperature record dates back to 1880 (143 years)



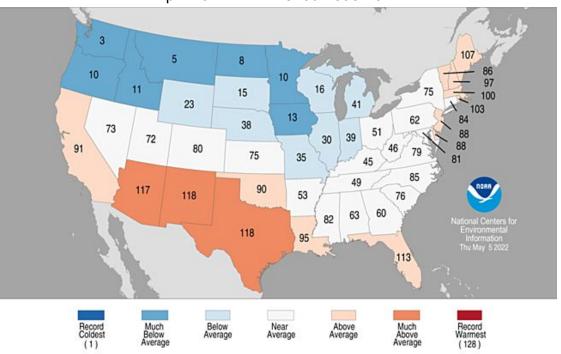
• Global Land & Ocean: +0.87°C / +1.57°F, the fifth-highest for Jan-Apr period on record.



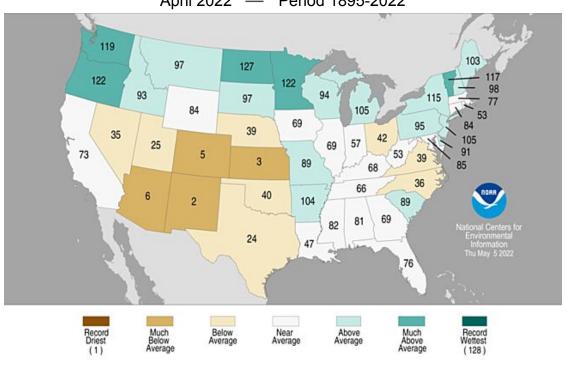
Contiguous U.S. April 2022

Temperature: 50.7°F, which is 0.4°F below average and the coolest April since 2018. **Precipitation:** 2.58 inches, which is 0.06 inch above average

Statewide Average Temperature Ranks April 2022 — Period 1895-2022



Statewide Precipitation Temperature Ranks
April 2022 — Period 1895-2022



WA had its 3rd coldest Aprill; MT had its 5th coldest; OR, ND, & MN had a top 10 cold April.

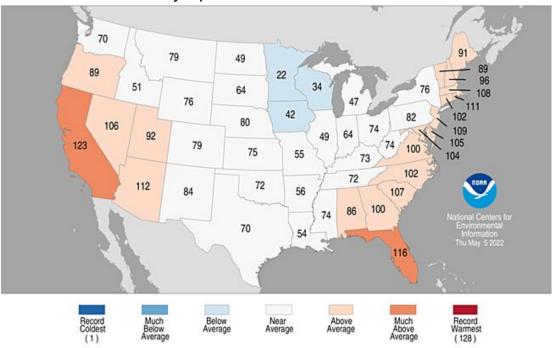
ND tied as 2nd wettest April; OR and MN had their 7th wettest April. NM had its 2nd driest April; KS had its 3rd driest, CO and AZ had their 5th driest April on record.

Contiguous U.S. January-April 2022

Temperature: 39.9°F, which is 0.8°F above average

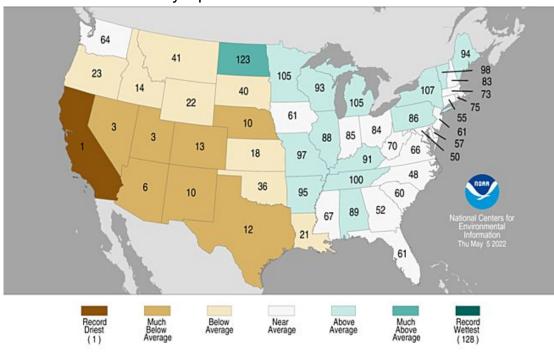
Precipitation: 8.25 inches, which is 1.22 inches below average and 13th driest Jan-Apr

Statewide Average Temperature Ranks January-April 2022 — Period 1895-2022



CA had its 6th warmest Jan-Apr on record. No state had a statewide average temperature that ranked in the top 10 cold Jan-Apr period.

Statewide Average Precipitation Ranks January-April 2022 — Period 1895-2022



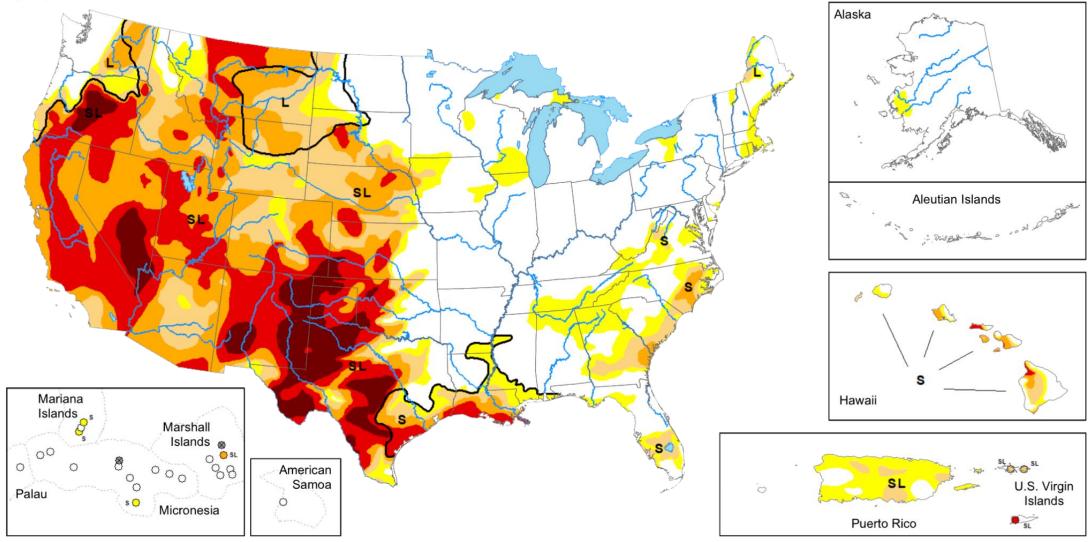
CA had its driest Jan-Apr on record. NV, UT had their 3rd driest such period on record. AZ, NE, and NM had a top 10 dry Jan-Apr period. ND had its 6th wettest such period on record.



Current U.S. Drought

Map released: May 19, 2022

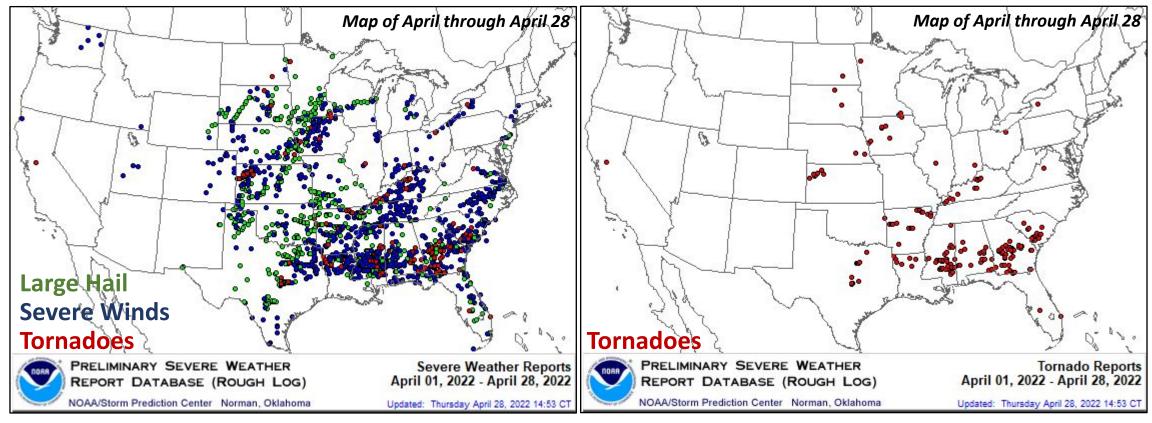
Data valid: May 17, 2022





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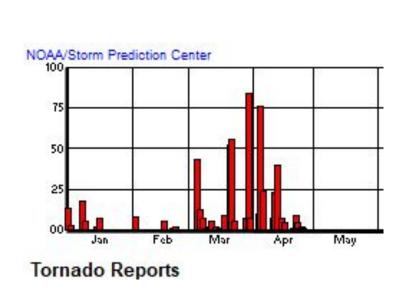
• There were 209+ preliminary reports of tornadoes across the U.S. in April 2022, which is close to the 15-year average of ~240 tornado reports in April.

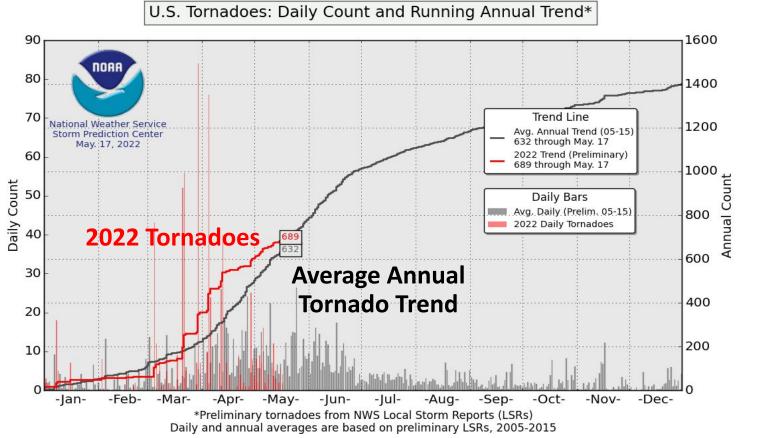


1,800+ total severe reports. Note: It can take 60-90 days to finalize severe weather/tornado reports.



• A below-average start to 2022 as far as reported tornadoes, but March was particularly active and April had at least near-typical tornado numbers.







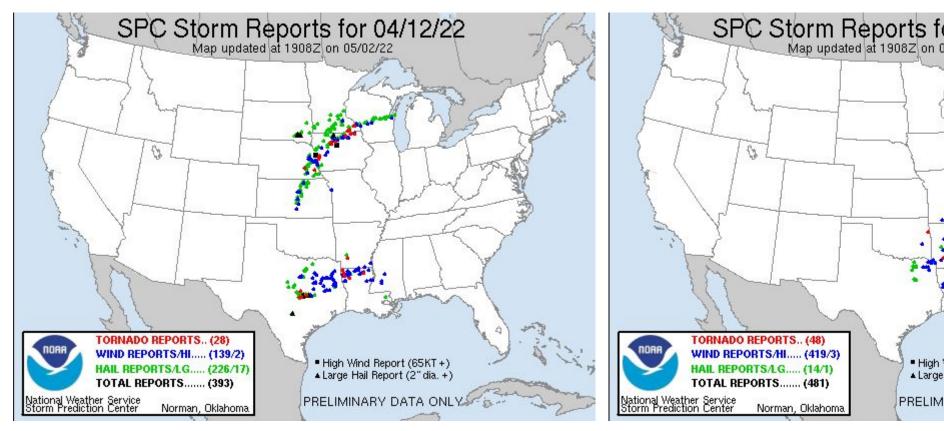
- April 5-6 in the Southeast U.S. ~80 confirmed tornadoes over multi-day period
- Included a tornado that produced EF4 damage (Enhanced Fujita Scale; EF0-EF5) near Pembroke, Georgia.

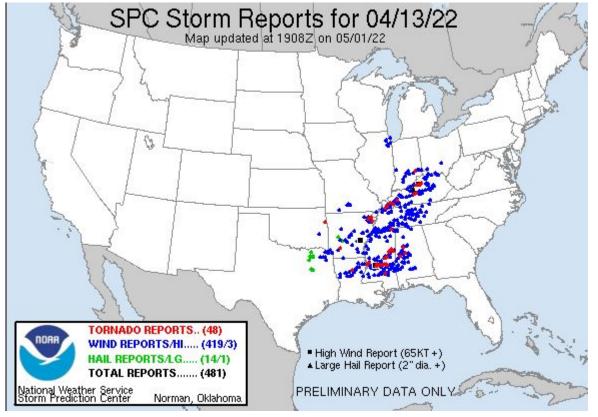






• April 11-13 in the Upper Midwest and Mid-South — 70+ confirmed tornadoes







Included a high-end EF3 tornado near Florence in central Texas on April 12

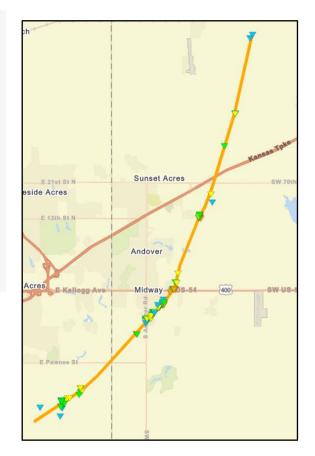
April 29 in Kansas and Nebraska – at least 14 tornadoes

EF3 tornado that moved through Andover, Kansas (a suburb of Wichita)

Preliminary info for Andover Tornado Butler/Sedgwick County

Date	4/29/2022
Time (Local)	8:10pm - 8:31pm
EF Rating	EF-3
Est. Peak Winds	155 mph
Path Length	12.75 miles
Max Width	440 yards
Injuries/Deaths	3 injuries directly related to tornado. Zero deaths.
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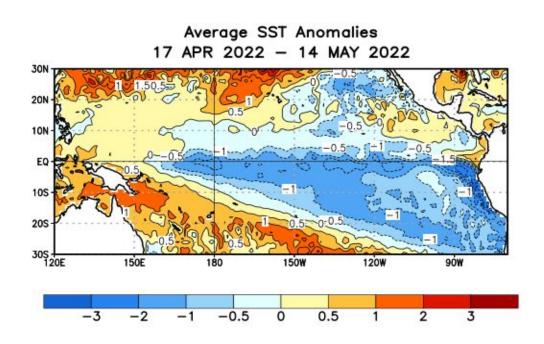






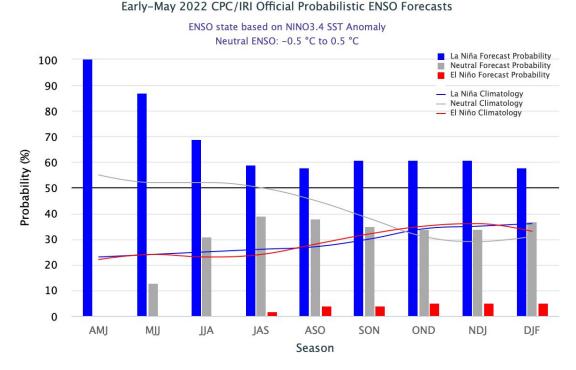


Sea Surface Temperatures and ENSO



Sea surface temperatures

- Below normal sea surface temperatures continue across the central and eastern Pacific Ocean near the equator
- The oceanic and atmospheric observations currently reflect La Niña conditions



ENSO forecast

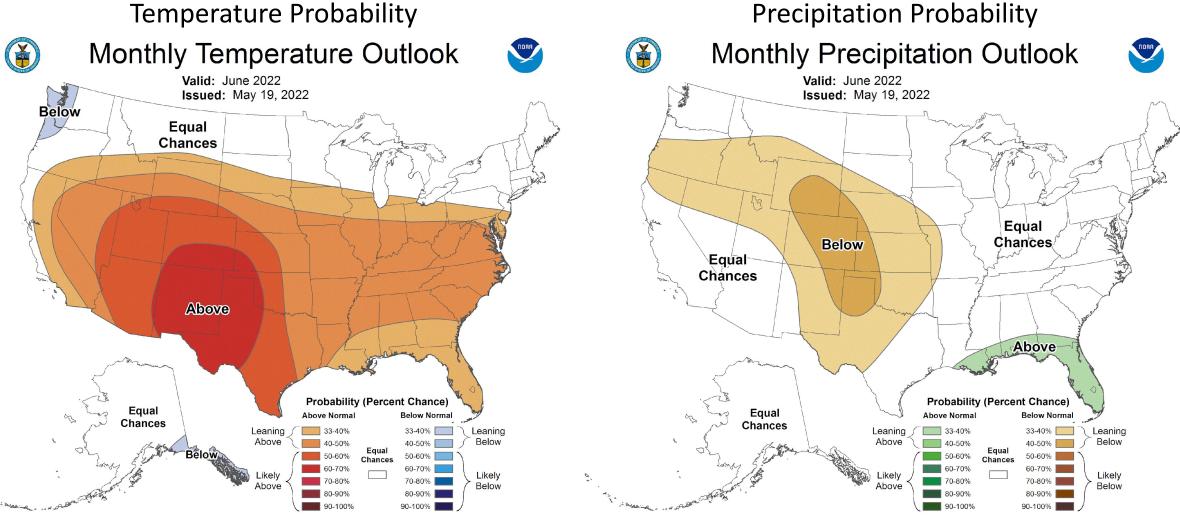
- La Niña is favored to continue
- The odds for La Niña decrease into the late Northern Hemisphere summer (58% chance in August-October 2022) before slightly increasing through the Northern Hemisphere fall and early winter 2022 (61% chance).



Monthly Forecast (June)

June Total

June Average Temperature Probability

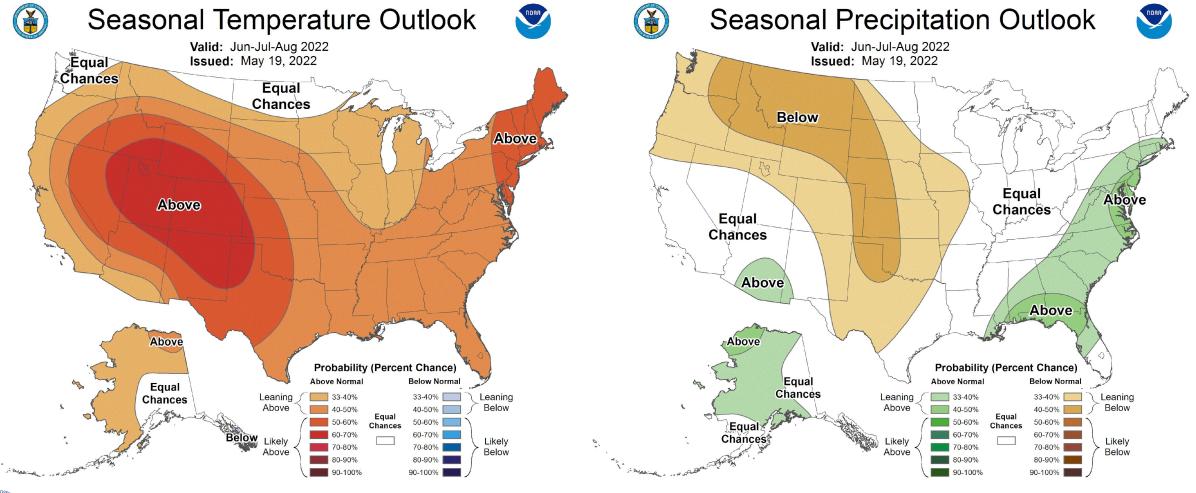




Three-Month Forecast (Jun, Jul, Aug)

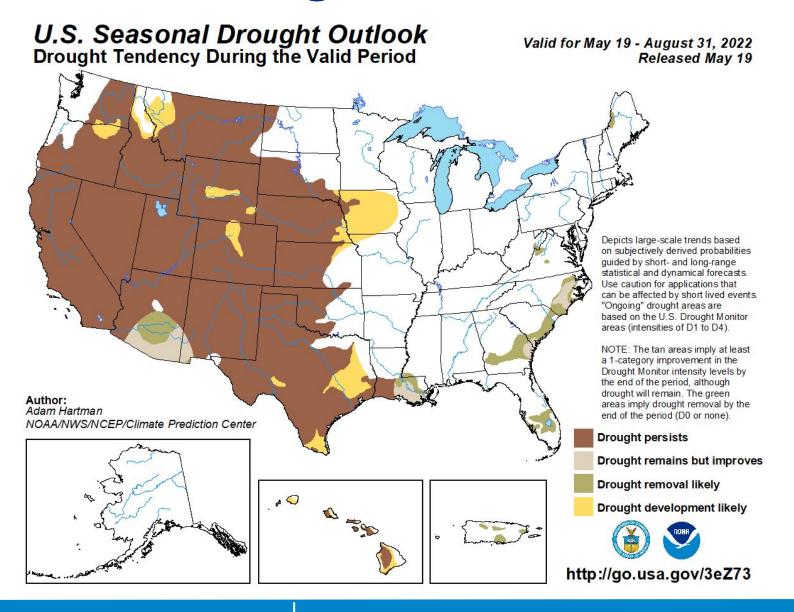
Jun-Jul-Aug Average **Temperature Probability**







Drought Outlook





For More Information

TODAY'S PRESENTATION:

http://www.ncdc.noaa.gov/sotc/briefings

NOAA's National Centers for Environmental Information: www.ncdc.noaa.gov

- Monthly climate reports (U.S. & Global): www.ncdc.noaa.gov/sotc/
- Dates for upcoming reports: https://www.ncei.noaa.gov/access/monitoring/dyk/monthly-releases
- NOAA's Climate Prediction Center: www.cpc.ncep.noaa.gov
- U.S. Drought Monitor: www.drought.gov

Climate Portal: www.climate.gov

NOAA Media Contacts: john.jones-bateman@noaa.gov, 202-424-0929 (NOAA/NESDIS PAO

