



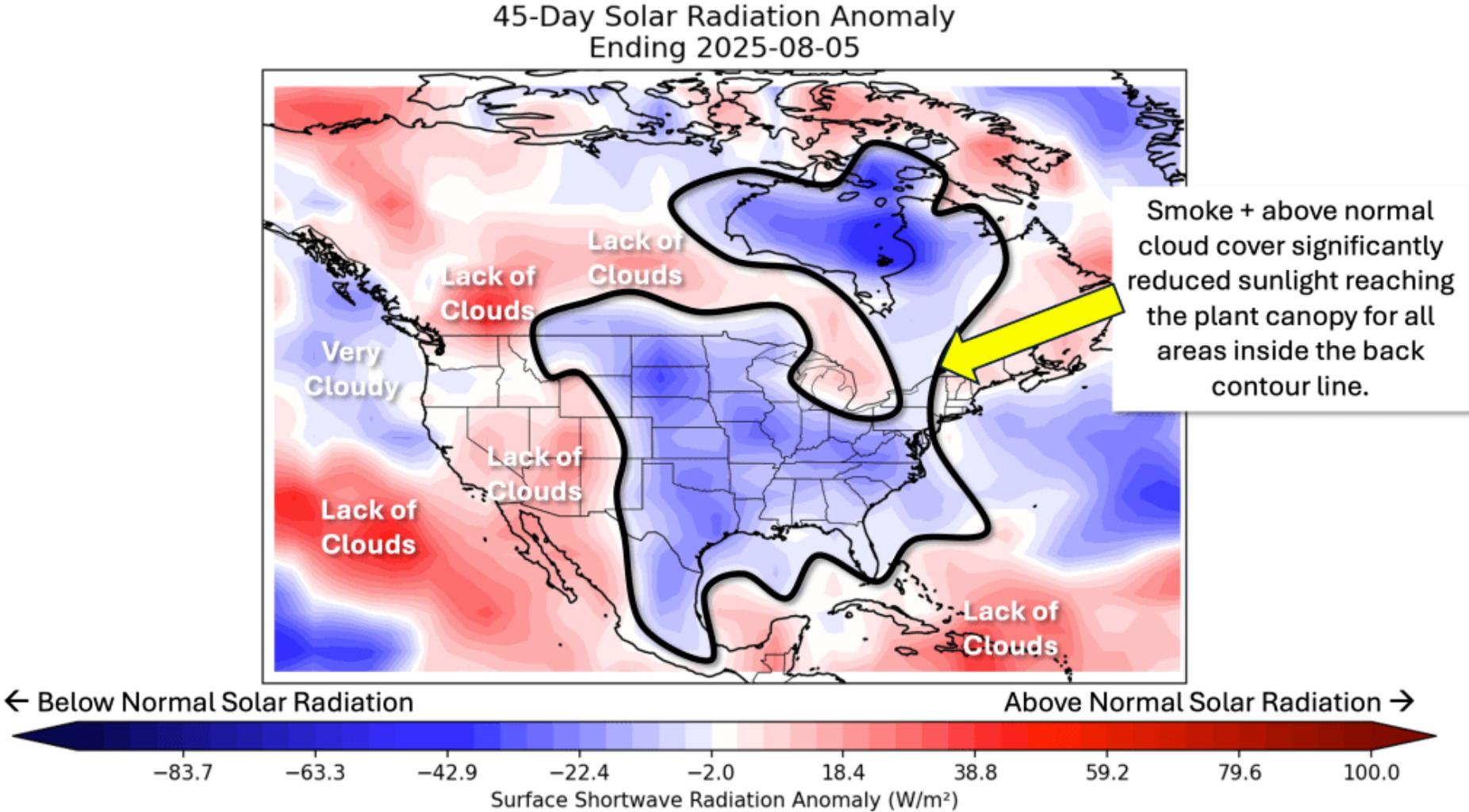
Eric Hunt, PhD

Assistant Extension Educator

UNL Agricultural Meteorology and Climate Resilience

ehunt2@unl.edu | Ph. 402-617-4190

Lack of sun



Regenerative hub

NEBRASKA STATE
CLIMATE OFFICE

REGENERATIVE AGRICULTURE LEARNING HUB



COMING JANUARY 15, 2026

Earn a digital badge in Regenerative Agriculture
CEU Credits available!

Nebraska Extension and the USDA-NRCS is excited to offer the Regenerative Agriculture Learning Hub program, providing Nebraska farmers and agricultural professionals with a comprehensive introduction to regenerative agriculture practices and their economic, environmental, and management benefits.

OVERVIEW OF PROGRAM TOPICS

- EFFICIENT RESOURCE USE
- SOIL AND WATER CONSERVATION
- BUILDING CLIMATE-RESILIENT FARMING SYSTEMS
- COVER CROPS
- DIVERSIFIED CROPPING SYSTEMS
- CROP-LIVESTOCK INTEGRATION
- NUTRIENT AND MANURE MANAGEMENT

- One-month program
- Online and asynchronous
- Explores the implementation of regenerative agriculture
- Presentations by content experts
- Virtual webinar panels
- Connection with peers



Grow knowledge. Grow resilience and join the movement toward a stronger Nebraska.
Register by December 31.

Registration

<https://go.unl.edu/regenaghub>

Questions can be sent to Miranda Mueller:
mmueller18@nebraska.edu; Ph: 402-472-4076



Natural Resources Conservation Service

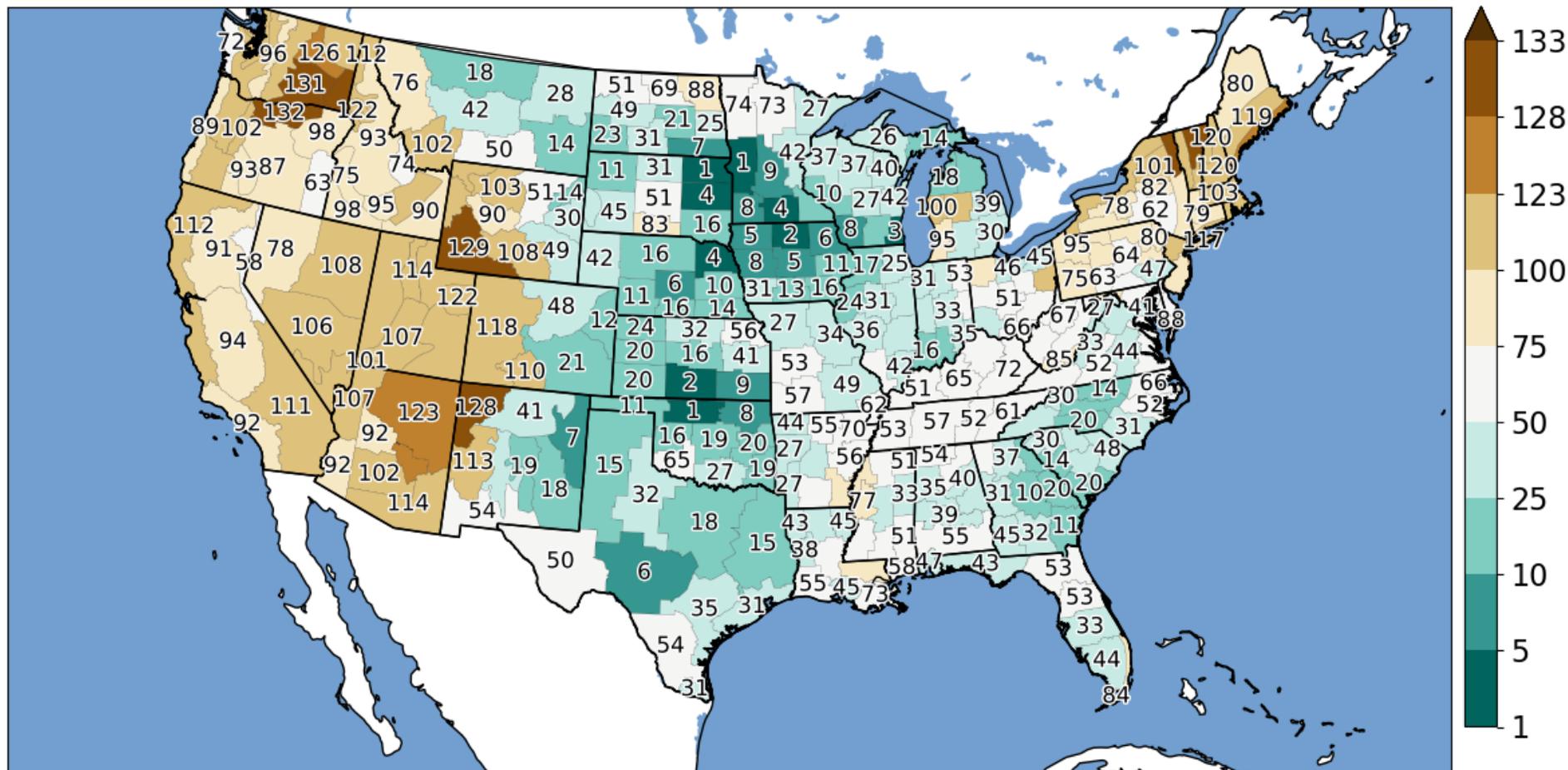


EXTENSION
Regenerative Ag Learning Hub

Summer 2025 precipitation ranks



31 May 2025 ~7 AM till 31 Aug 2025 ~7 AM Total Precipitation Ranks by Climate District
Based on IEM Estimates, 1 is wettest out of 133 total years (1893-2025)

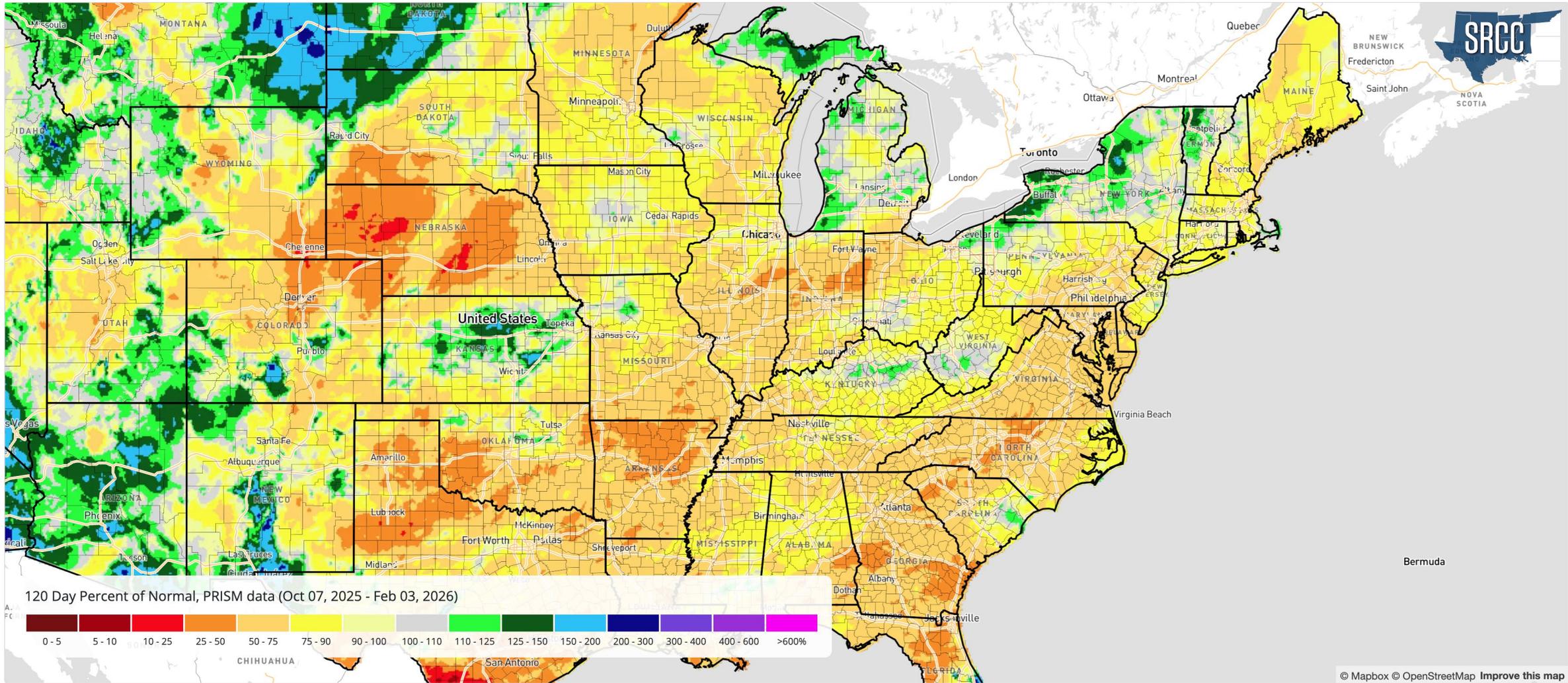


Generated at 11 Nov 2025 2:24 PM CST in 42.01s

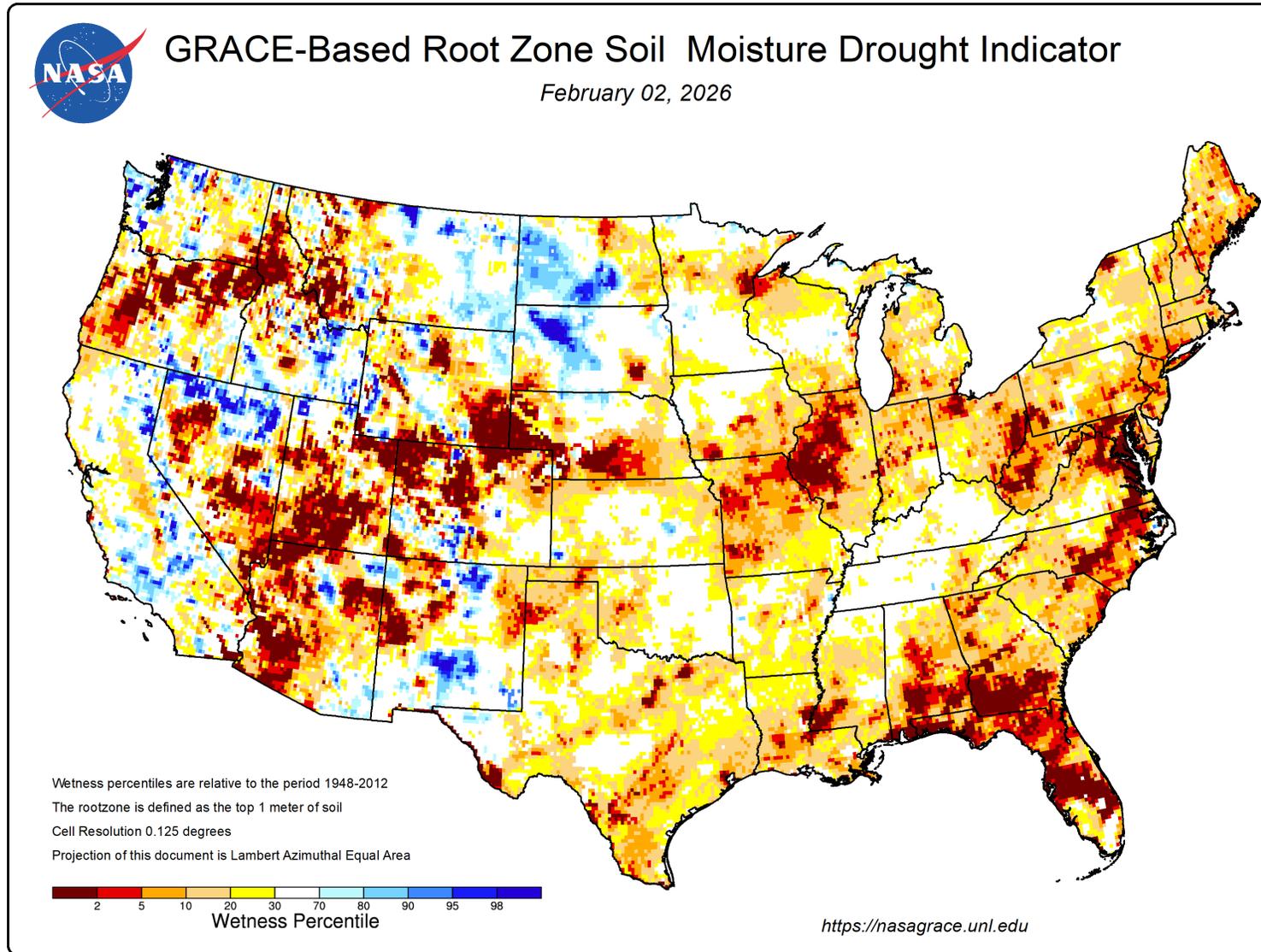
data units ::
IEM Autoplot App #24

120-day percent of normal

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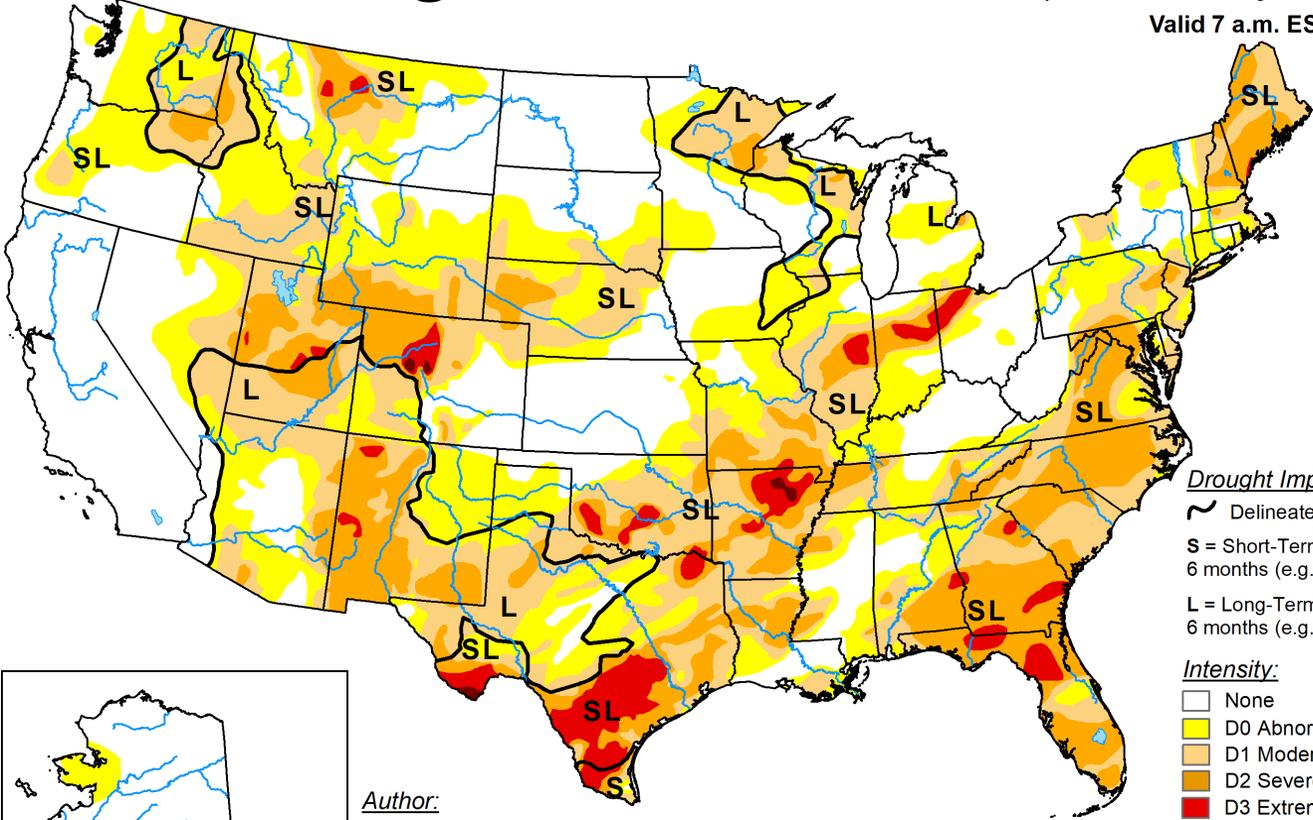
Soil moisture percentiles



Drought Monitor

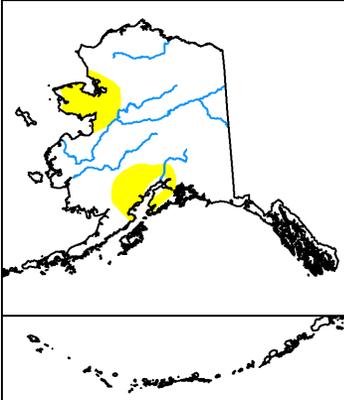
U.S. Drought Monitor

January 27, 2026
 (Released Thursday, Jan. 29, 2026)
 Valid 7 a.m. EST

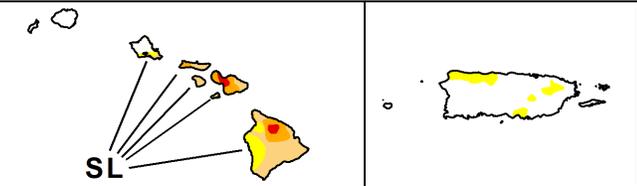


Drought Impact Types:
 ~ Delineates dominant impacts
 S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
 L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

Intensity:
 None
 D0 Abnormally Dry
 D1 Moderate Drought
 D2 Severe Drought
 D3 Extreme Drought
 D4 Exceptional Drought



Author:
 Richard Tinker
 CPC/NOAA/NWS/NCEP



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

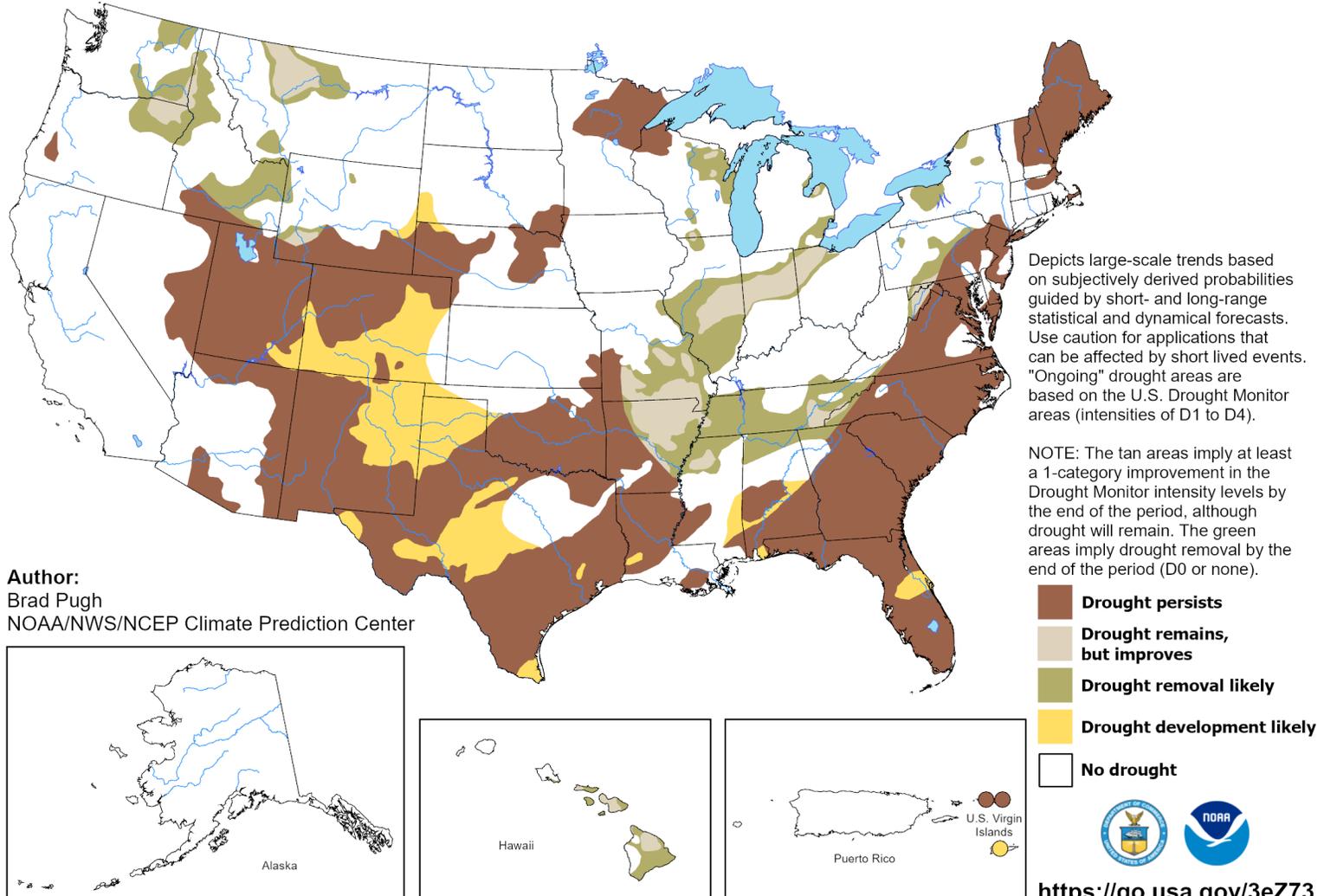


droughtmonitor.unl.edu

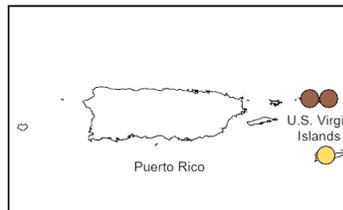
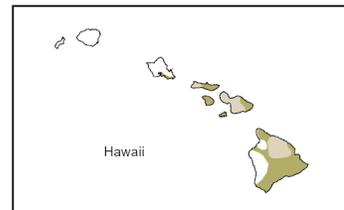
Drought outlook

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

Valid for January 15 - April 30, 2026
Released January 15, 2026



Author:
Brad Pugh
NOAA/NWS/NCEP Climate Prediction Center



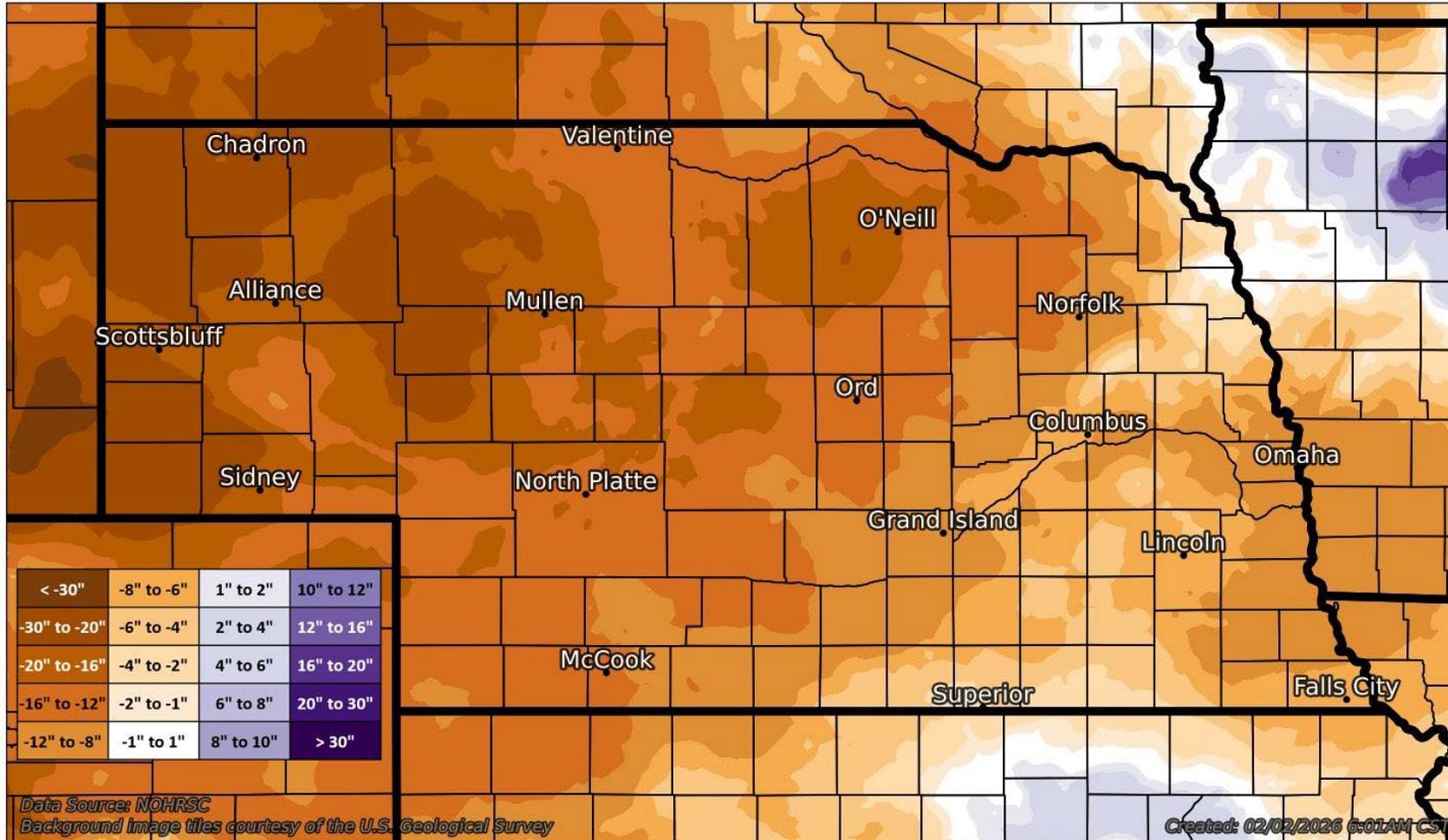
<https://go.usa.gov/3eZ73>

Lack of snow

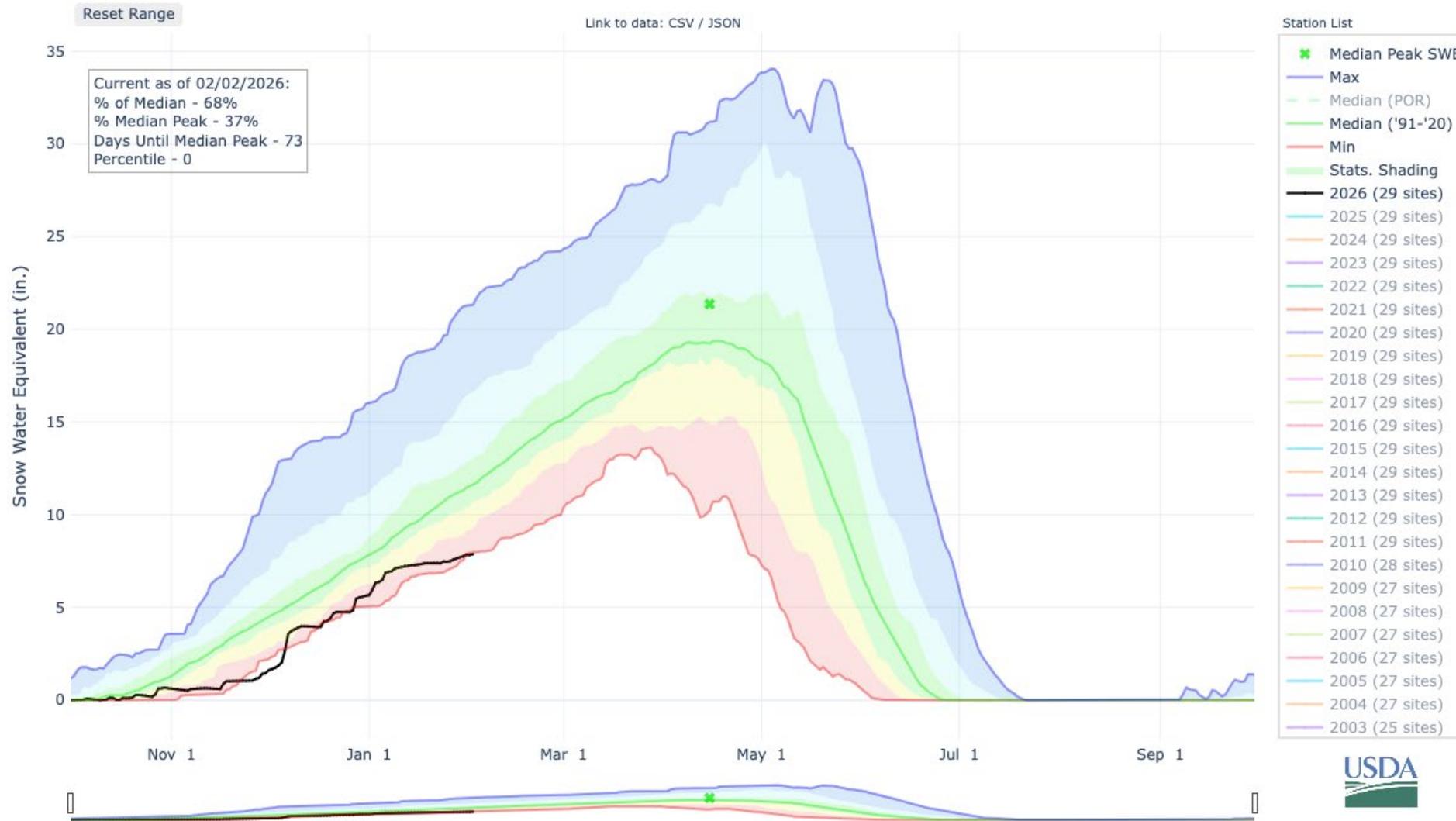


Season Snow Departure

As of: February 01, 2026 - 6AM CST



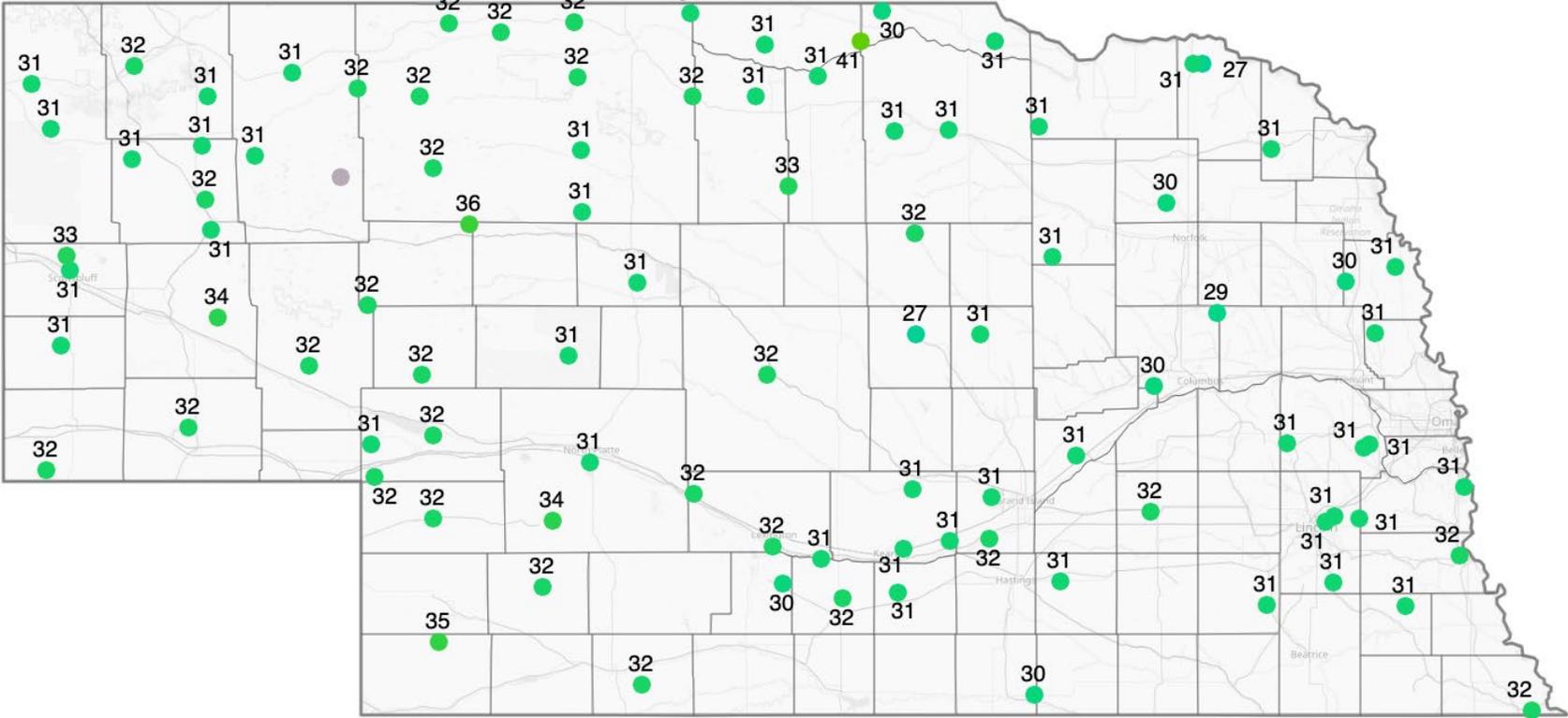
Lack of snow: North Platte basin



Ground starting to thaw

Bare Soil Temperature 4in - Average

Real-Time Past Hour Since 12 AM Yesterday



2/3/2026, 12:00 AM CST - 2/4/2026, 12:00 AM CST

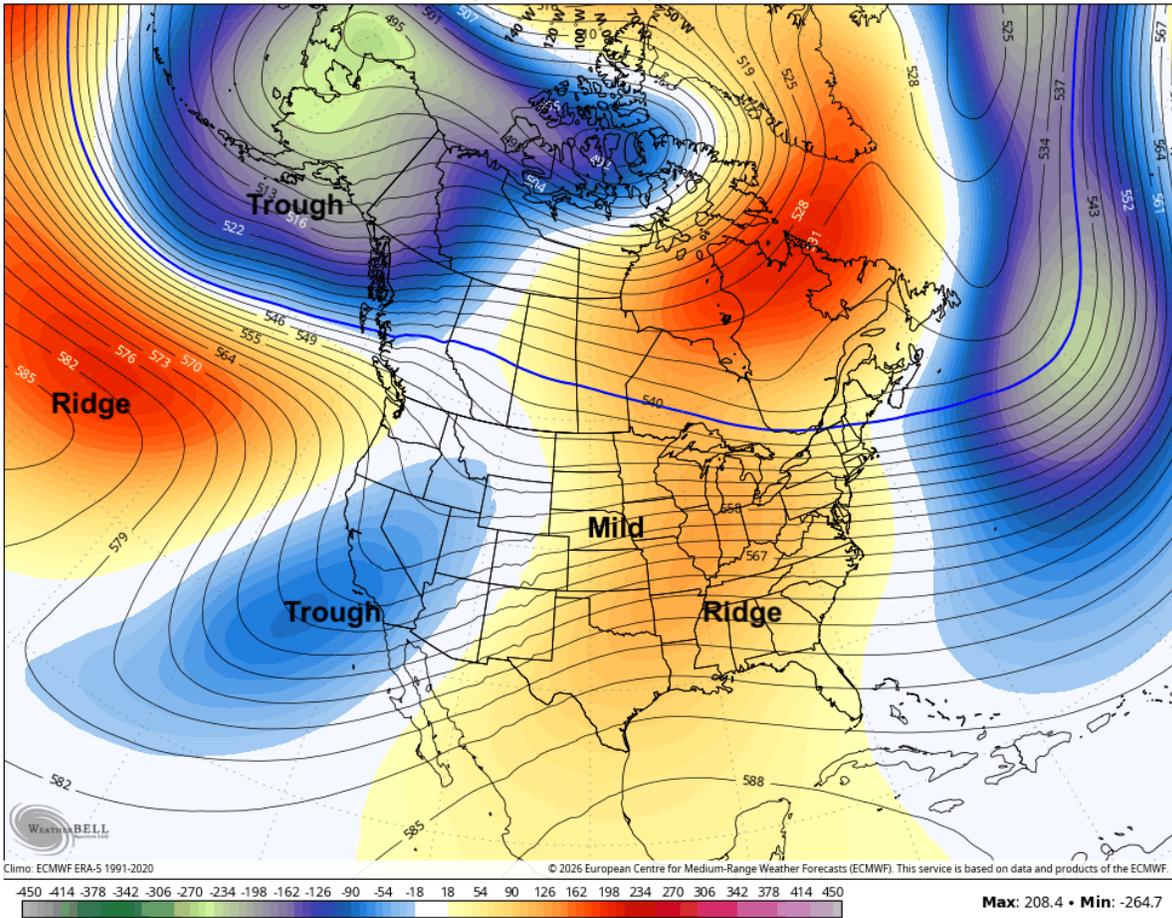
Leaflet | © Nebraska Mesonet 2026 nemesonet.unl.edu, Map data from OpenStreetMap



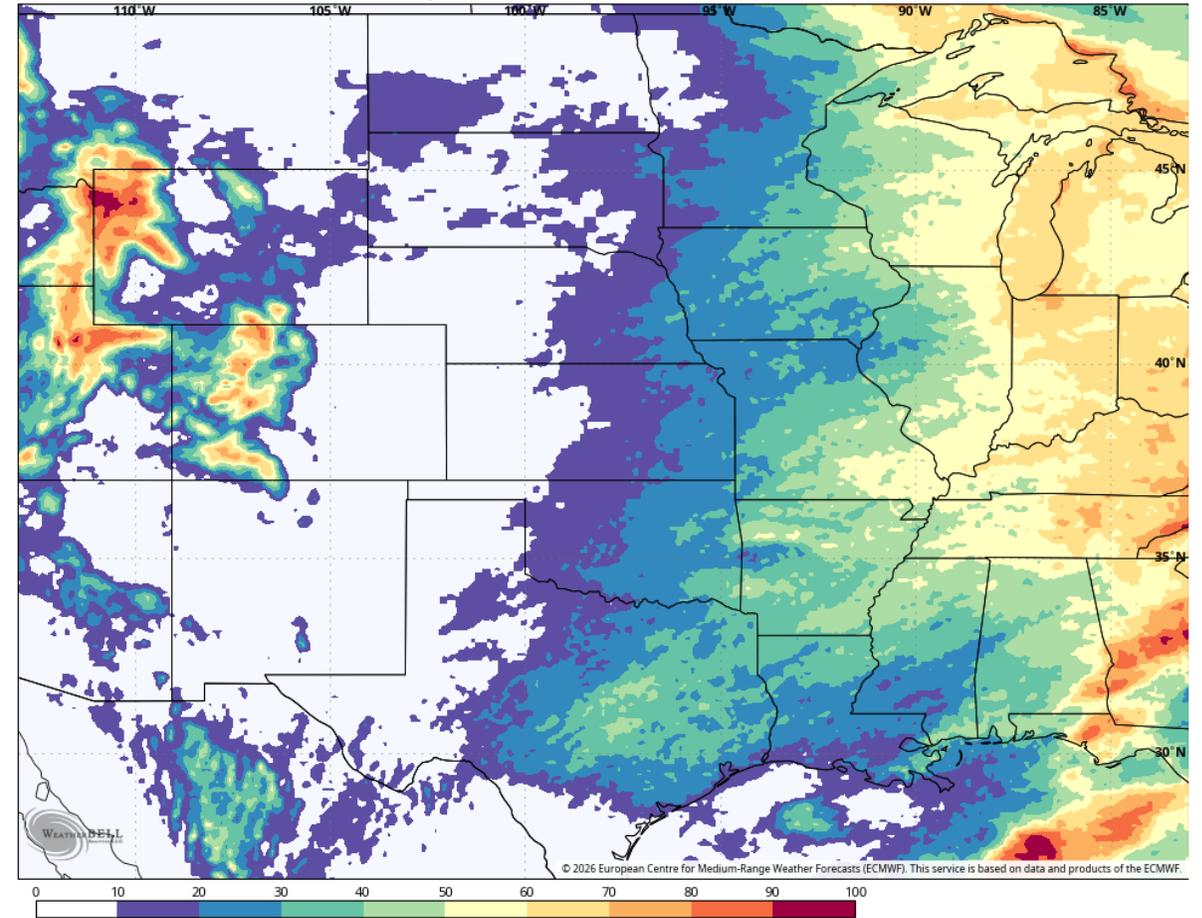
Source, Nebraska Mesonet (<https://nemesonet.unl.edu>)

Pattern change coming?

ECMWF Ens [M] 0.25° Init 12z 4 Feb 2026 • 500mb Height (dam) and Anomaly (m) Hour: 180 • Valid: 00z Thu 12 Feb 2026



ECMWF Ens 0.1° Init 12z 4 Feb 2026 • Probability of Total QPF ≥ 0.5 in. (%) Hour: 240 • Valid: 12z Sat 14 Feb 2026

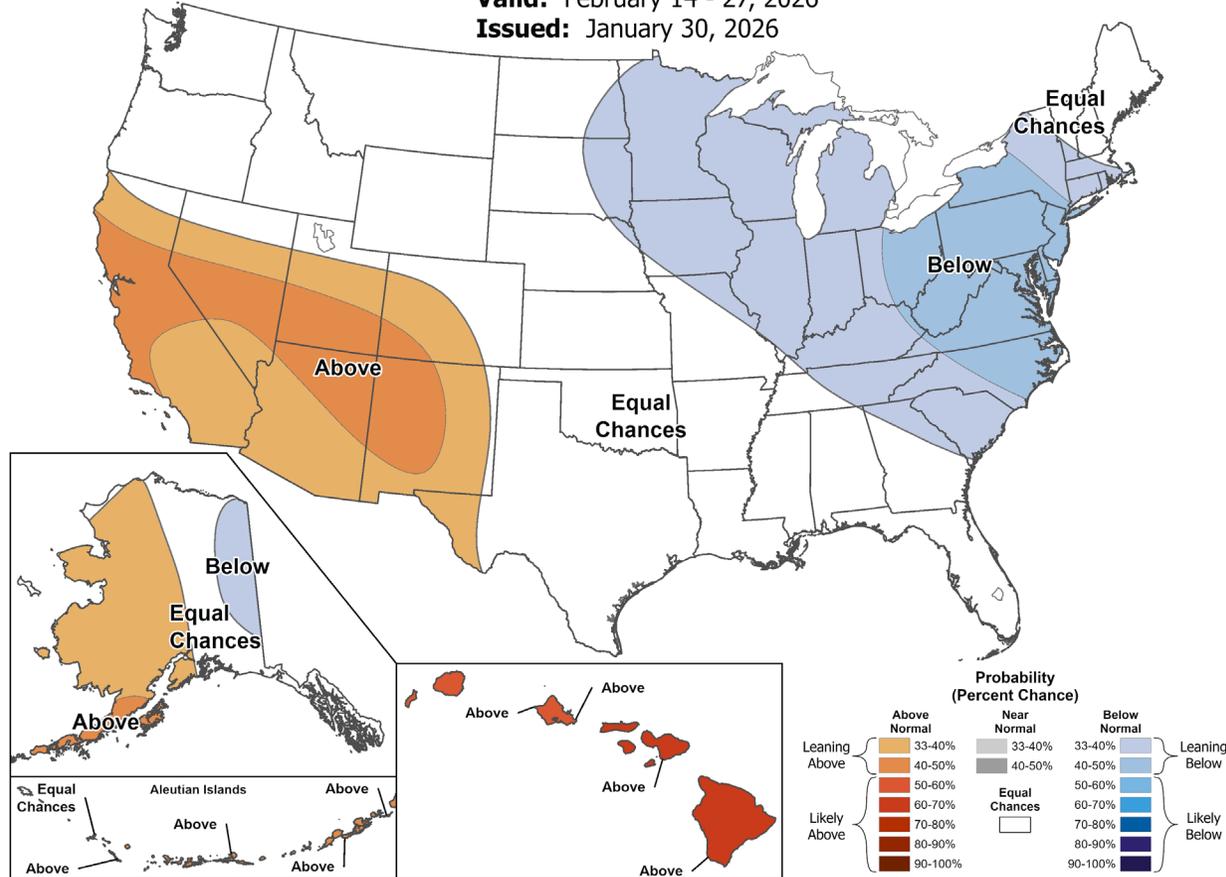


Extended forecast



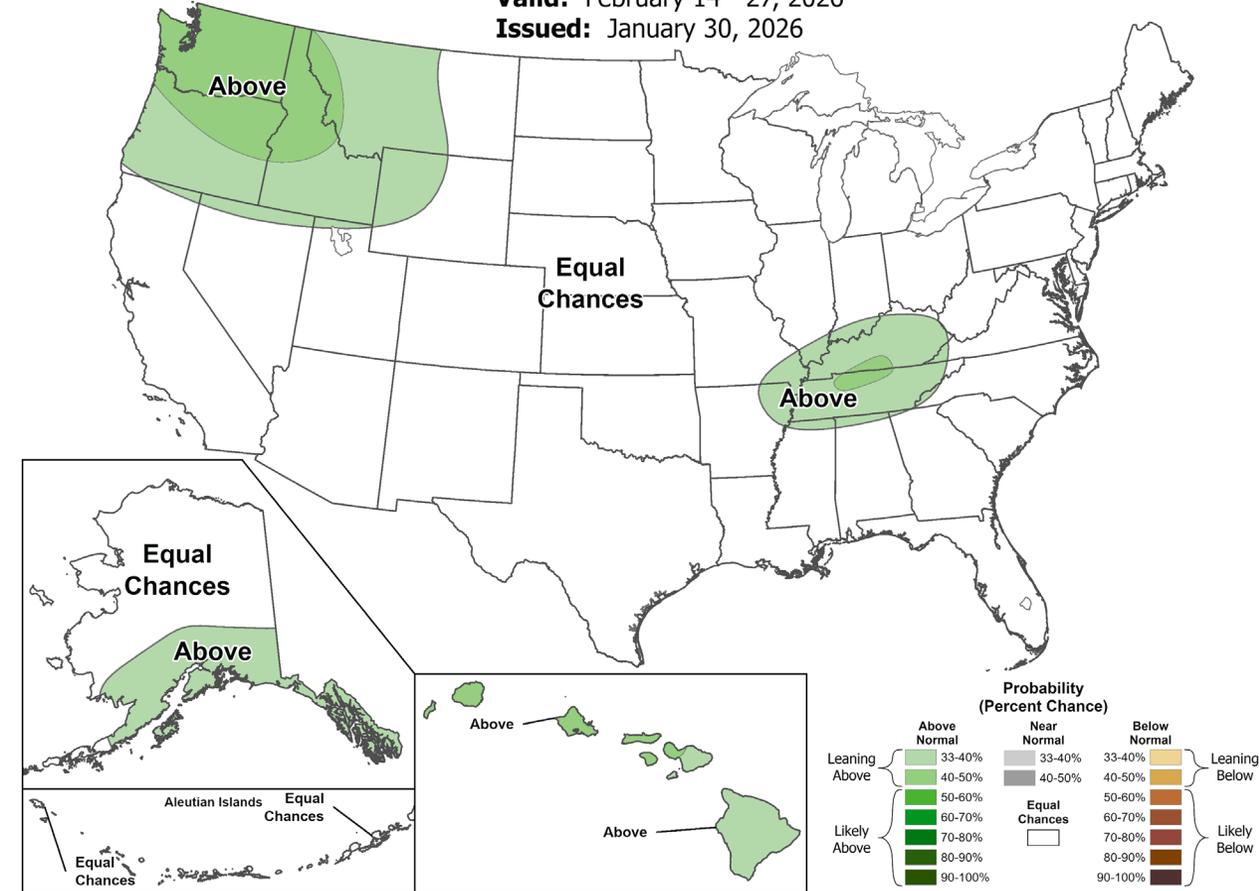
Week 3-4 Temperature Outlook

Valid: February 14 - 27, 2026
Issued: January 30, 2026



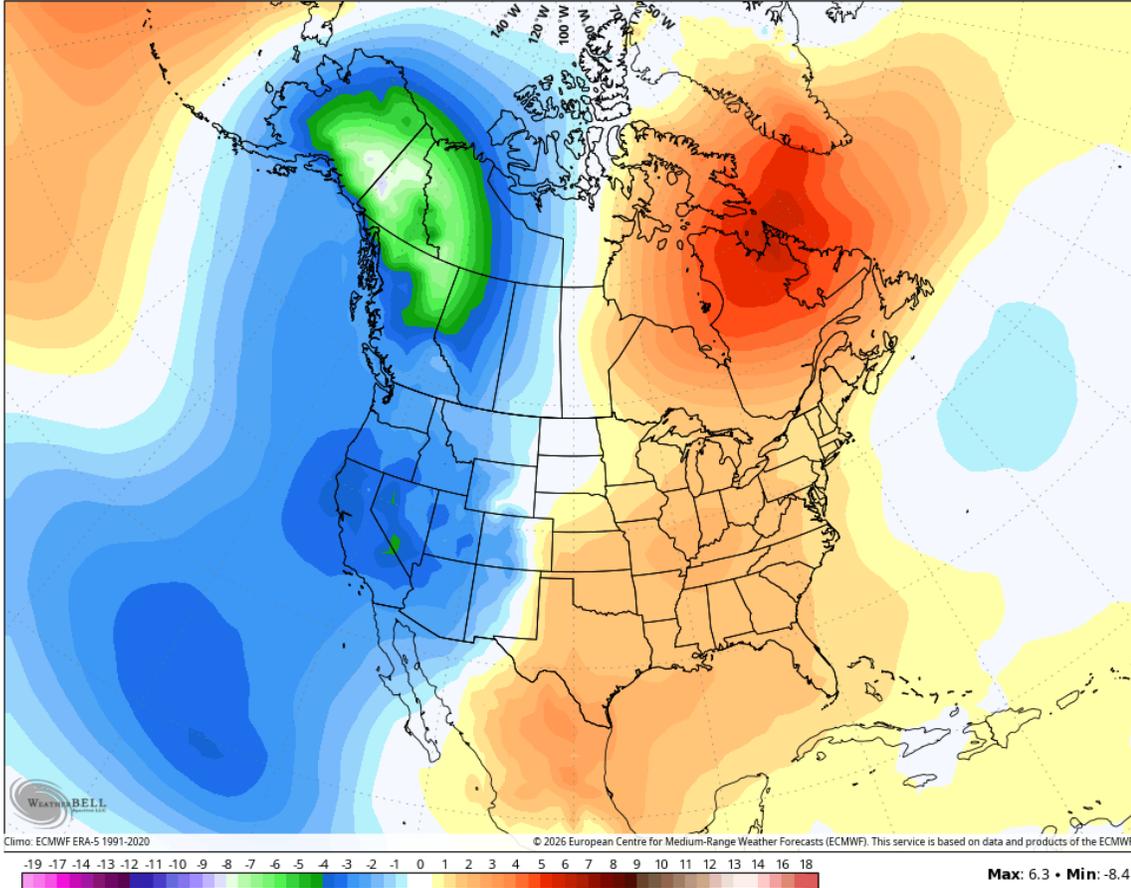
Week 3-4 Precipitation Outlook

Valid: February 14 - 27, 2026
Issued: January 30, 2026

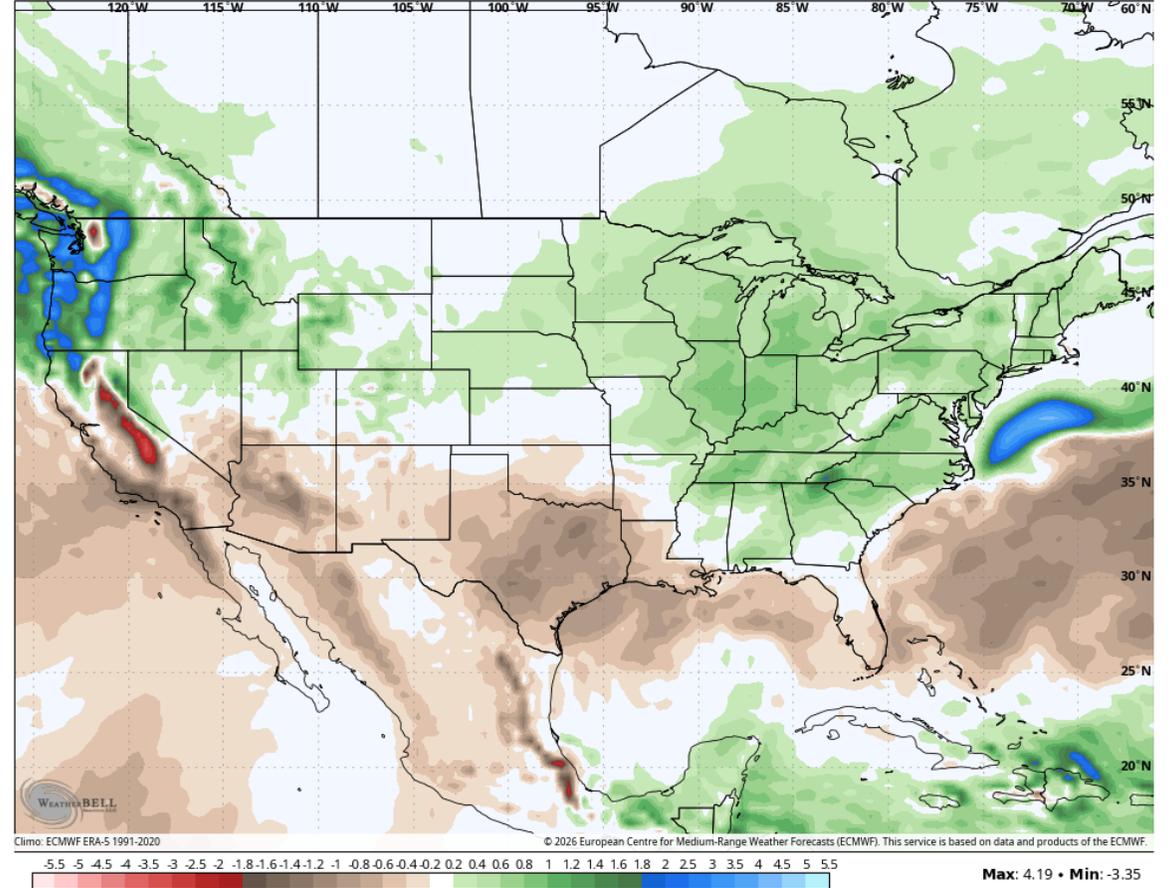


Extended forecast

ECMWF Ext. Ens [M] 1.0° Init 00z 4 Feb 2026 • 850mb Temperature Anomaly (°C) Days 13–20 • 00z Tue 17 Feb 2026–00z Tue 24 Feb 2026

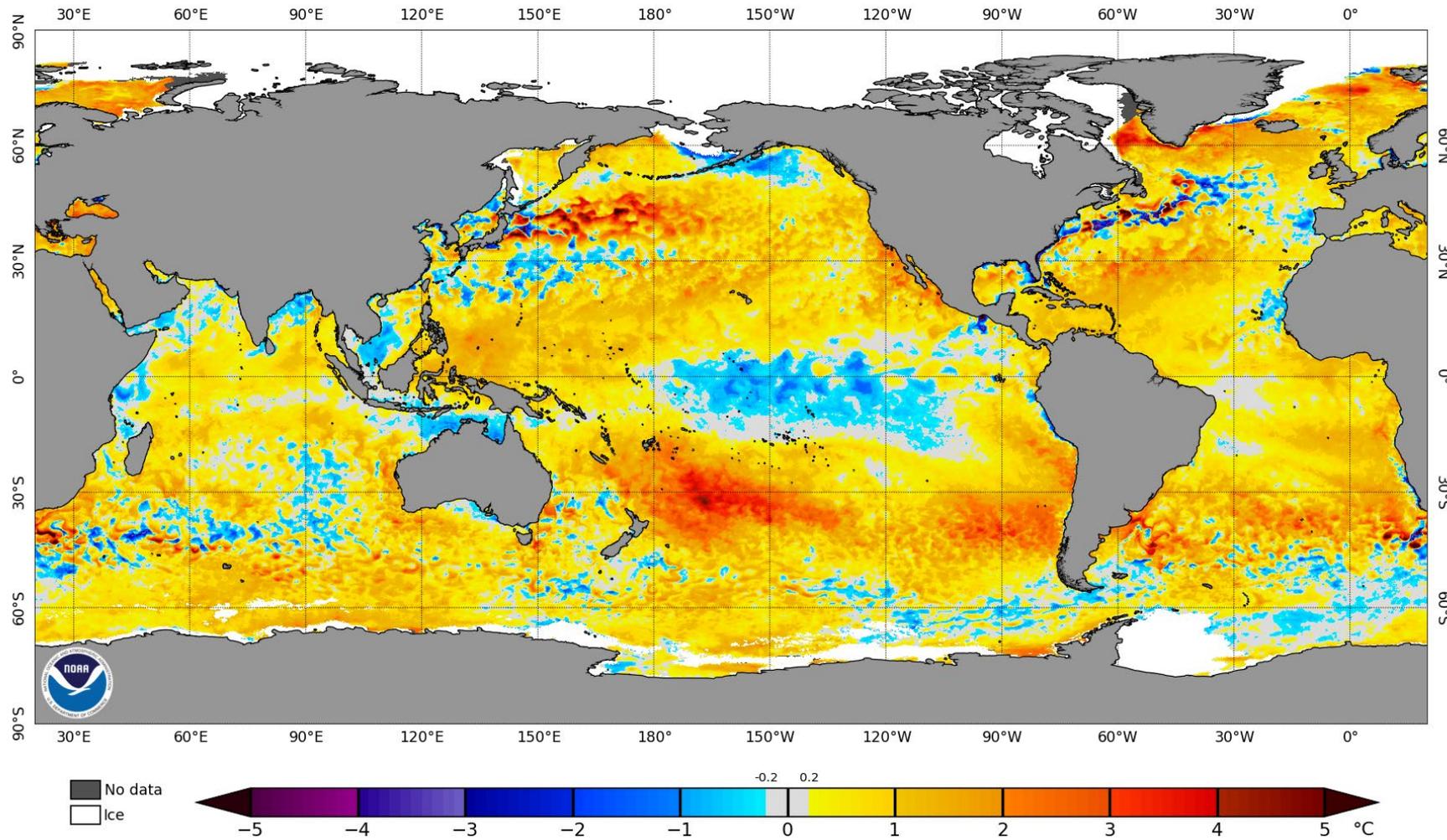


ECMWF Ext. Ens [M] 0.4° Init 00z 1 Feb 2026 • QPF 30-Day Anomaly (Inches) Hour: 1104 • Valid: 00z Thu 19 Mar 2026



La Nina in place but weakening

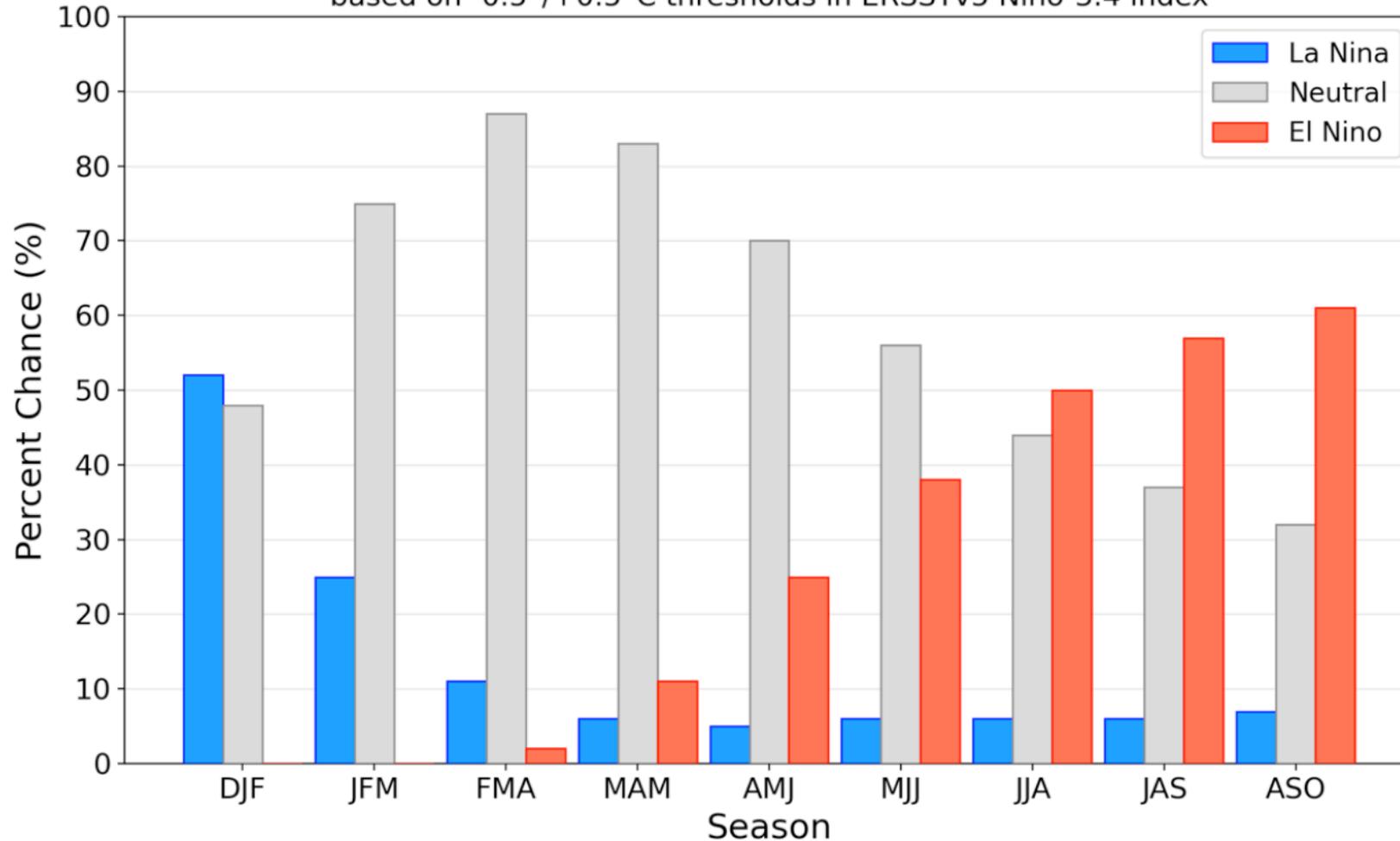
NOAA Coral Reef Watch Daily 5km SST Anomalies (v3.1) 1 Feb 2026



El Nino this summer?

Official NOAA CPC ENSO Probabilities (issued January 2026)

based on $-0.5^{\circ}/+0.5^{\circ}\text{C}$ thresholds in ERSSTv5 Niño-3.4 index



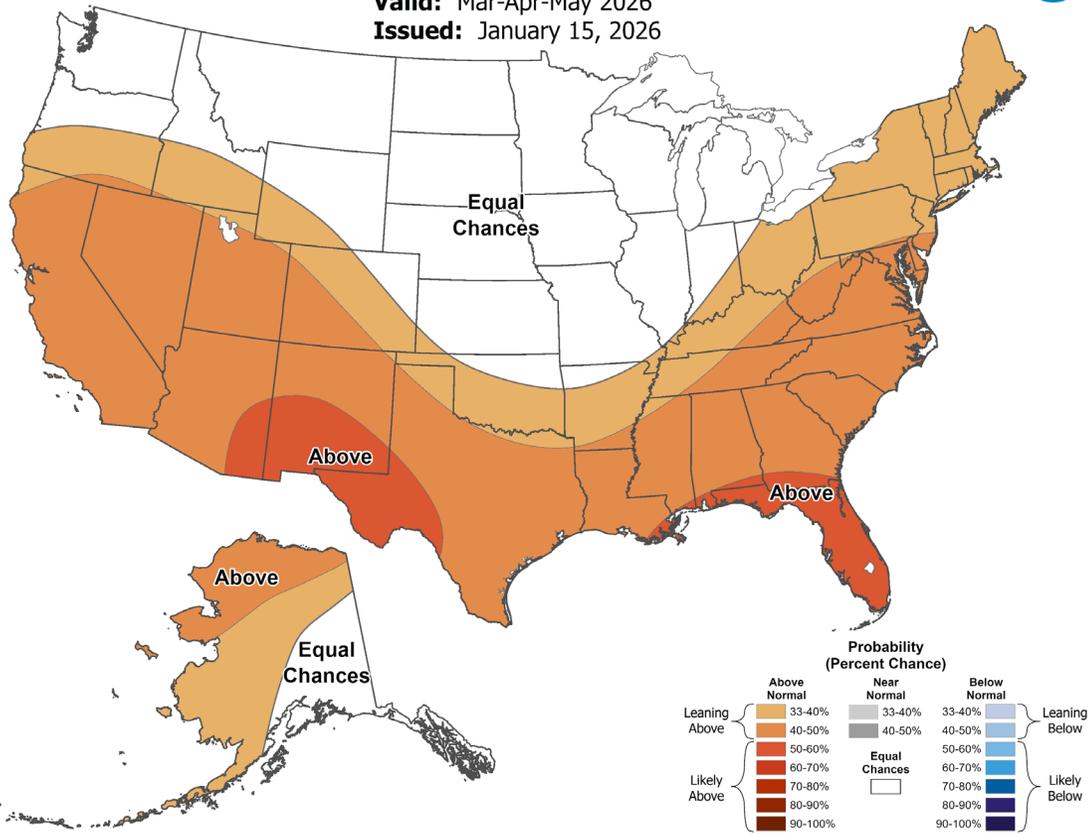
CPC Spring Outlook

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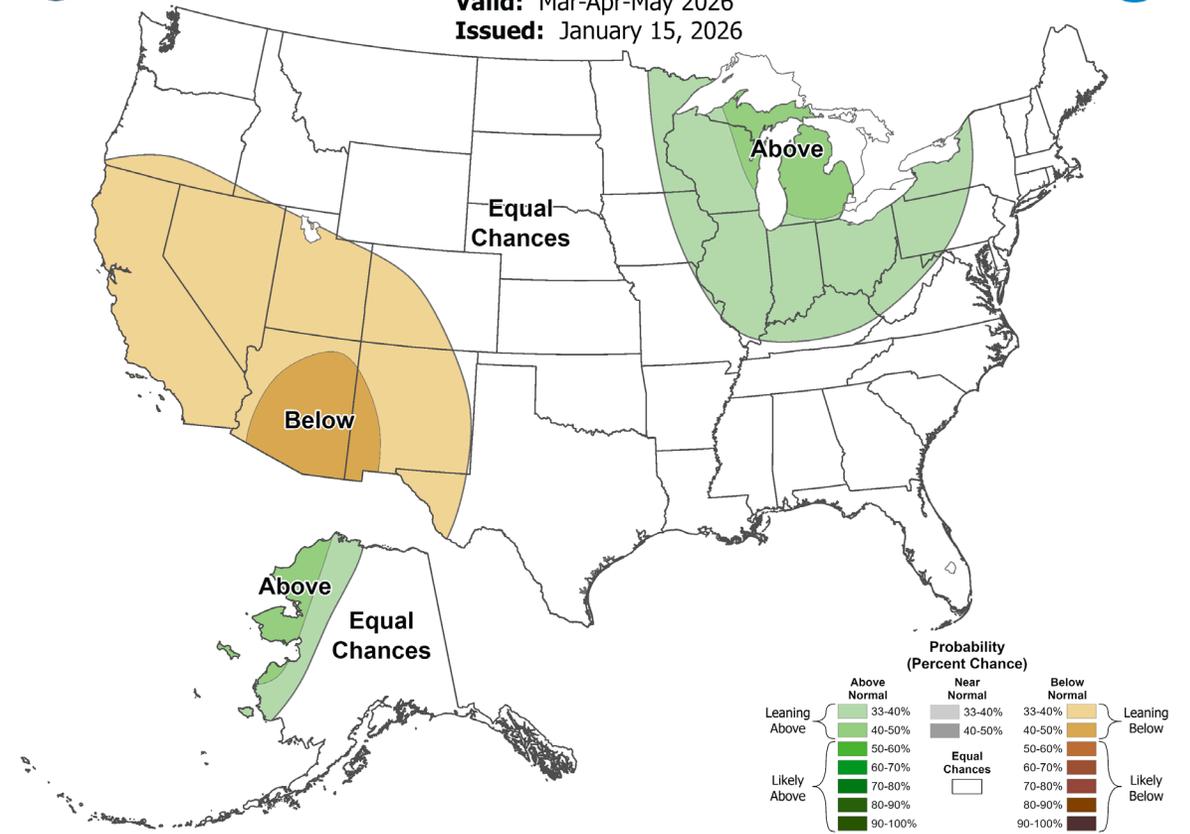
Seasonal Temperature Outlook

Valid: Mar-Apr-May 2026
Issued: January 15, 2026



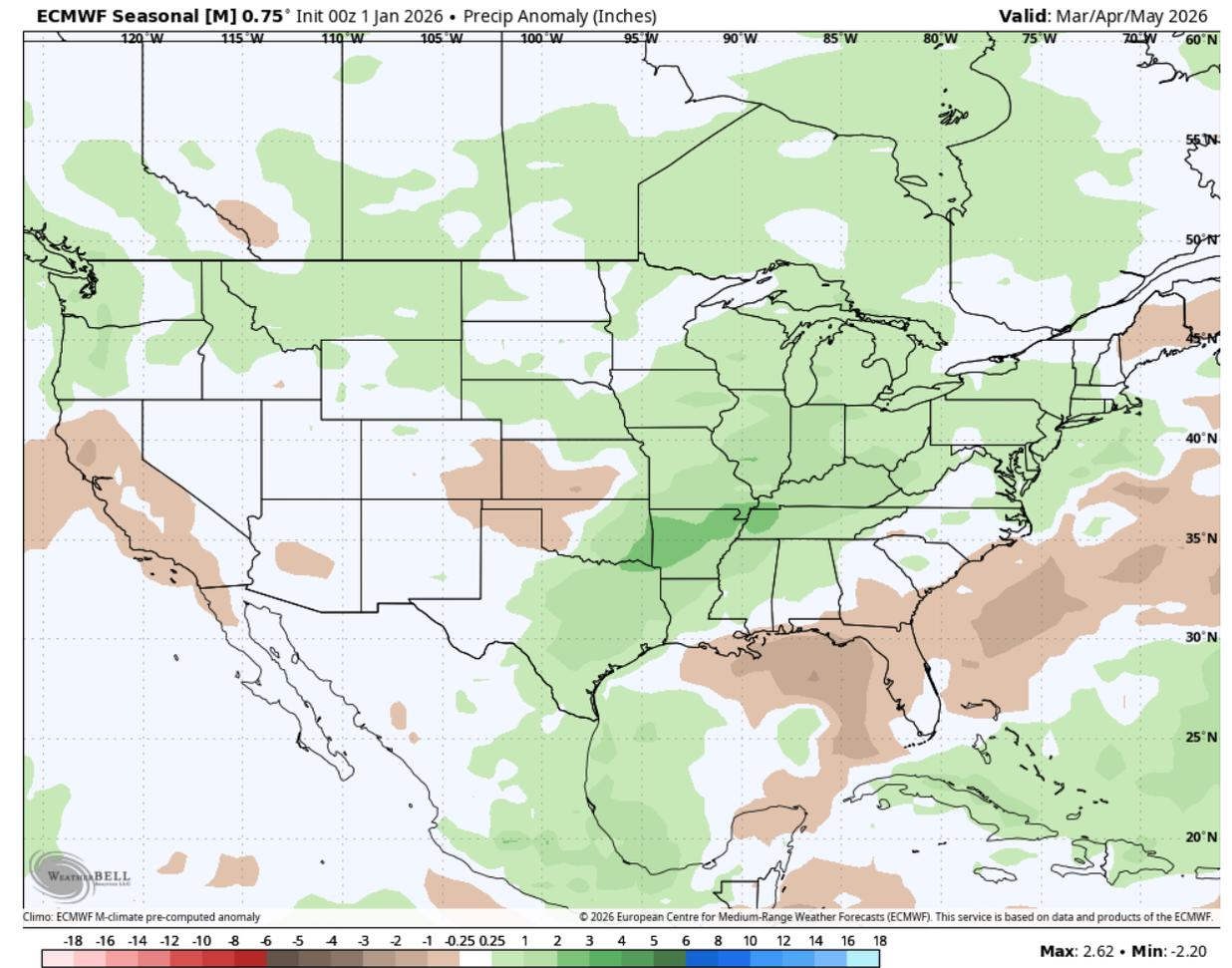
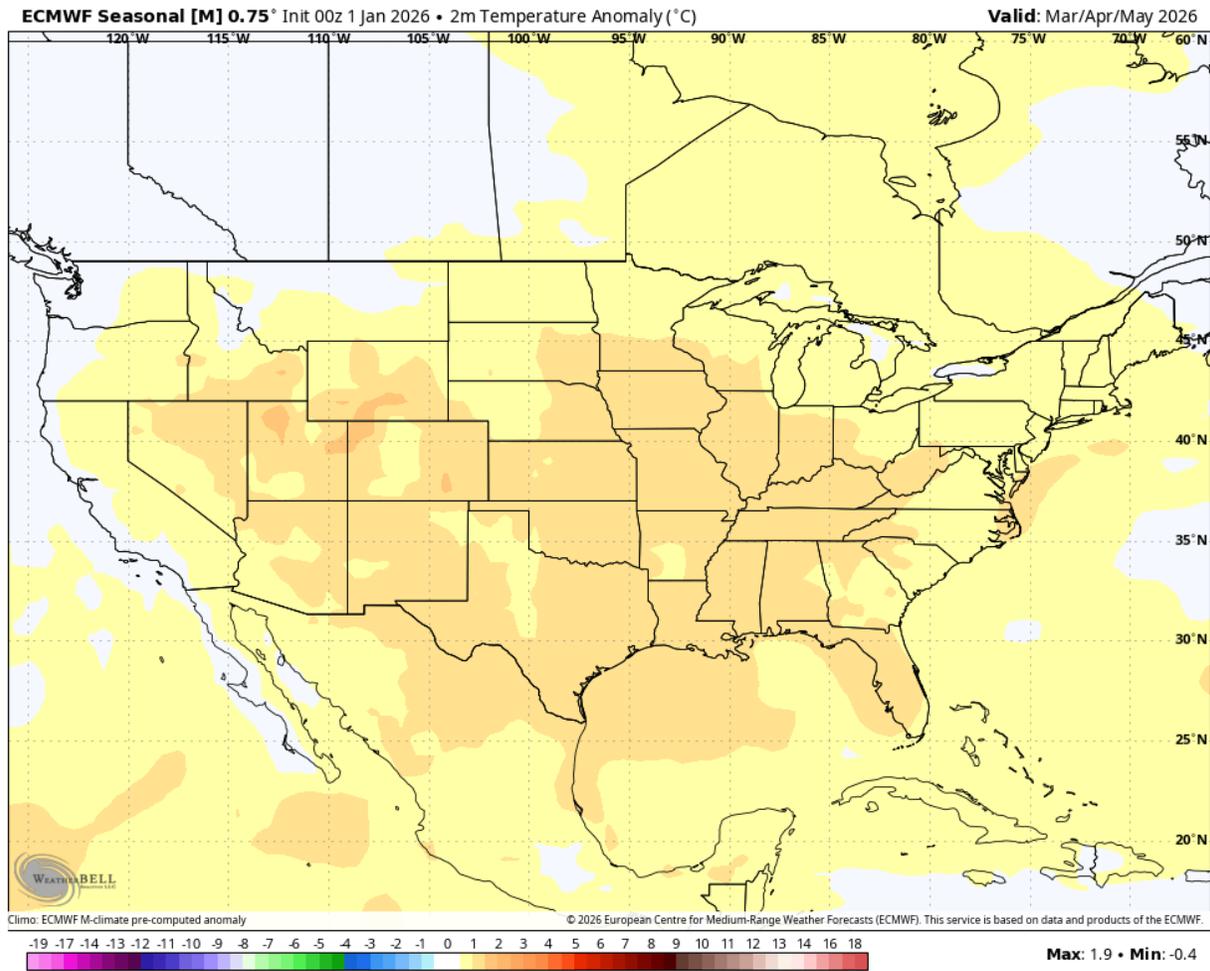
Seasonal Precipitation Outlook

Valid: Mar-Apr-May 2026
Issued: January 15, 2026



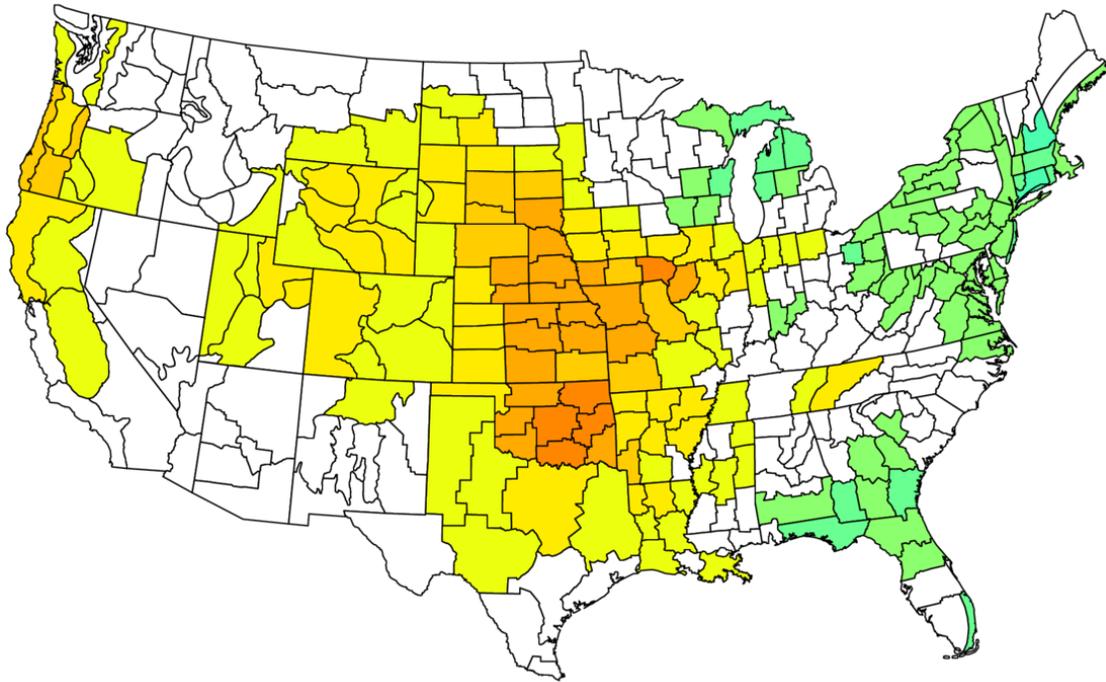
ECMWF Spring 2026 preview

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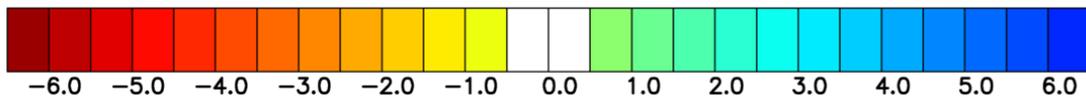


Analog springs

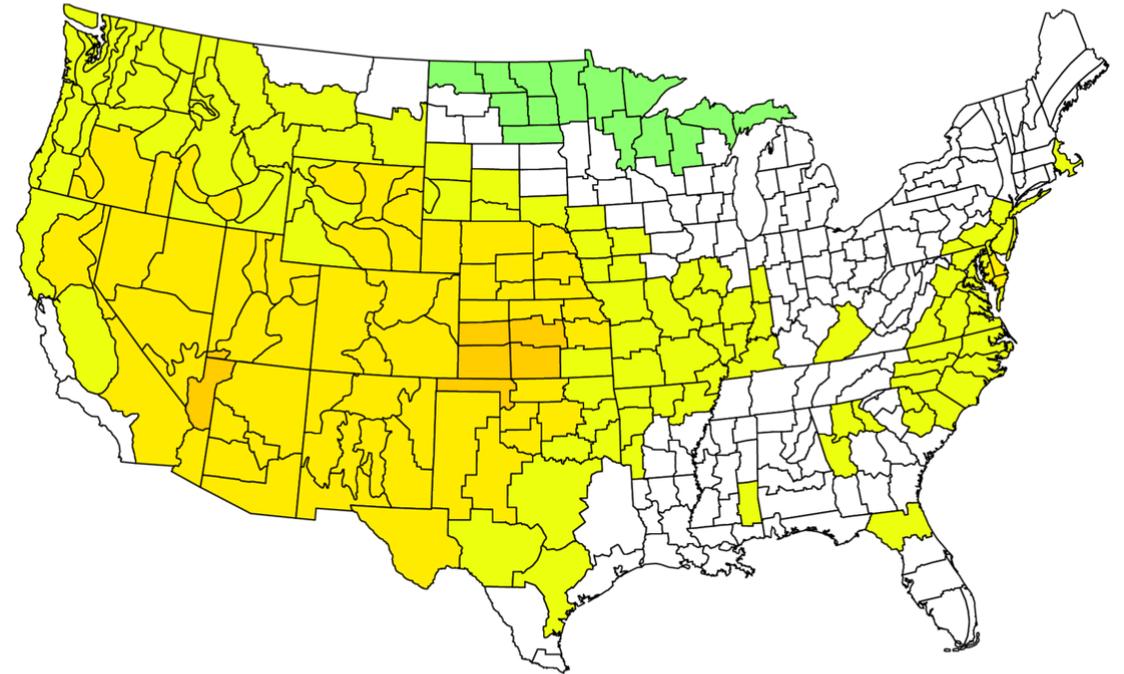
NOAA/NCEI Climate Division Composite Precipitation Anomalies (in)
Apr to May 2002,2004,2006,2014,2018,2023
Versus 1991–2020 Longterm Average



NOAA PSL and CIRES-CU



NOAA/NCEI Climate Division Composite Temperature Anomalies (F)
Apr to May 2002,2004,2006,2014,2018,2023
Versus 1991–2020 Longterm Average



NOAA PSL and CIRES-CU



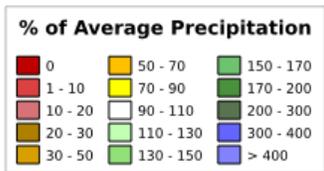
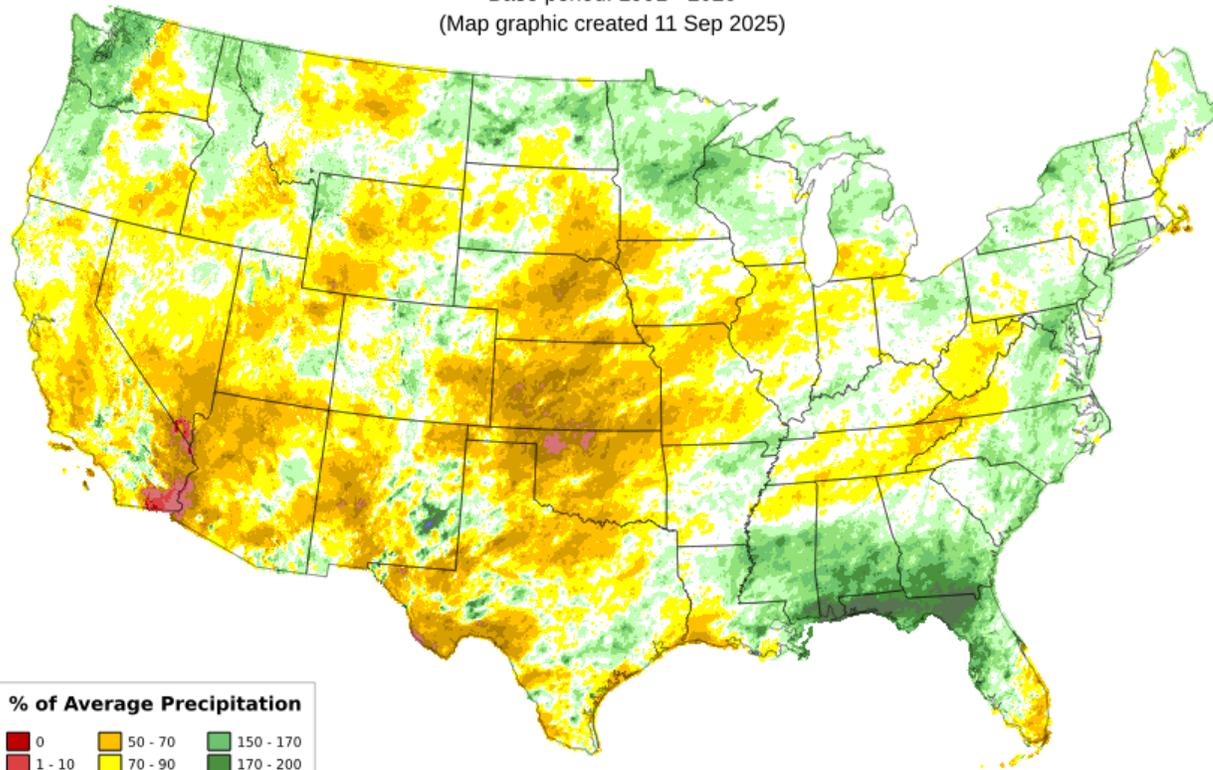
Spring 2014 vs 2018 precip

Total Precipitation Anomaly: Mar 2014 - May 2014

Period ending 7 AM EST 31 May 2014

Base period: 1991 - 2020

(Map graphic created 11 Sep 2025)



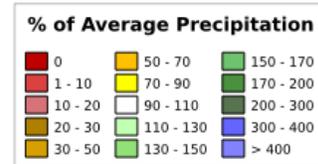
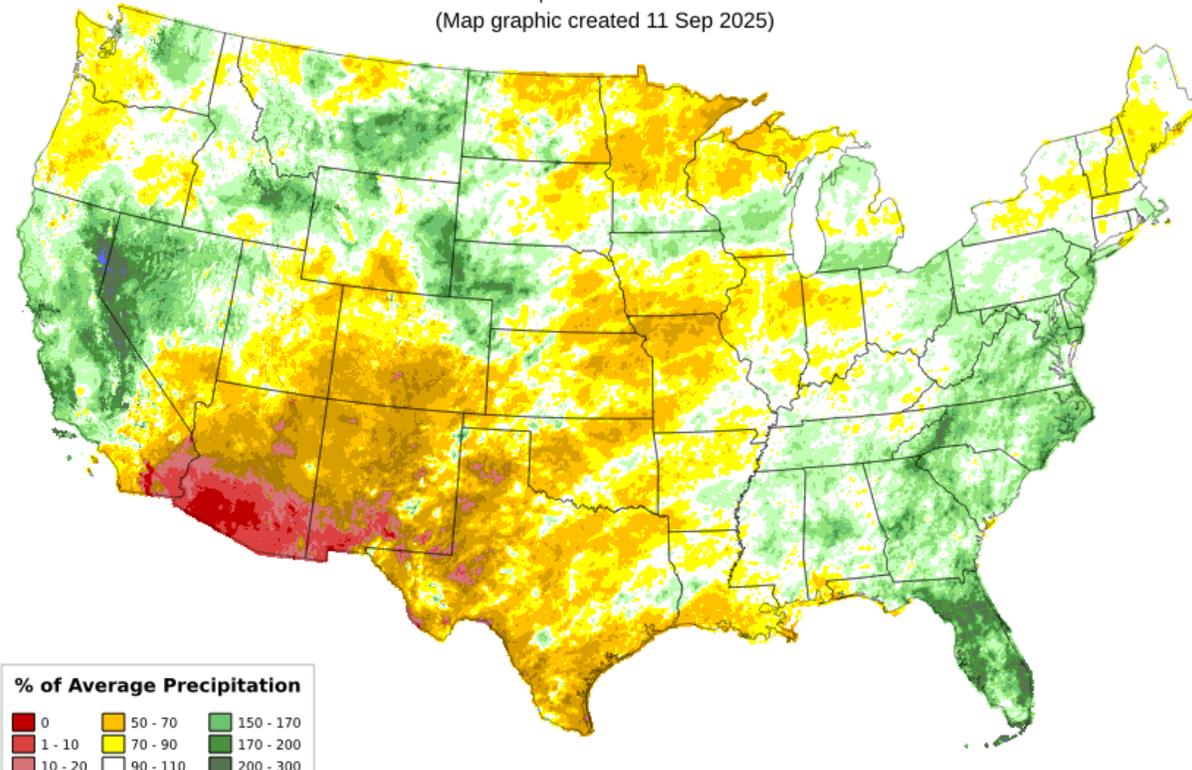
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Total Precipitation Anomaly: Mar 2018 - May 2018

Period ending 7 AM EST 31 May 2018

Base period: 1991 - 2020

(Map graphic created 11 Sep 2025)



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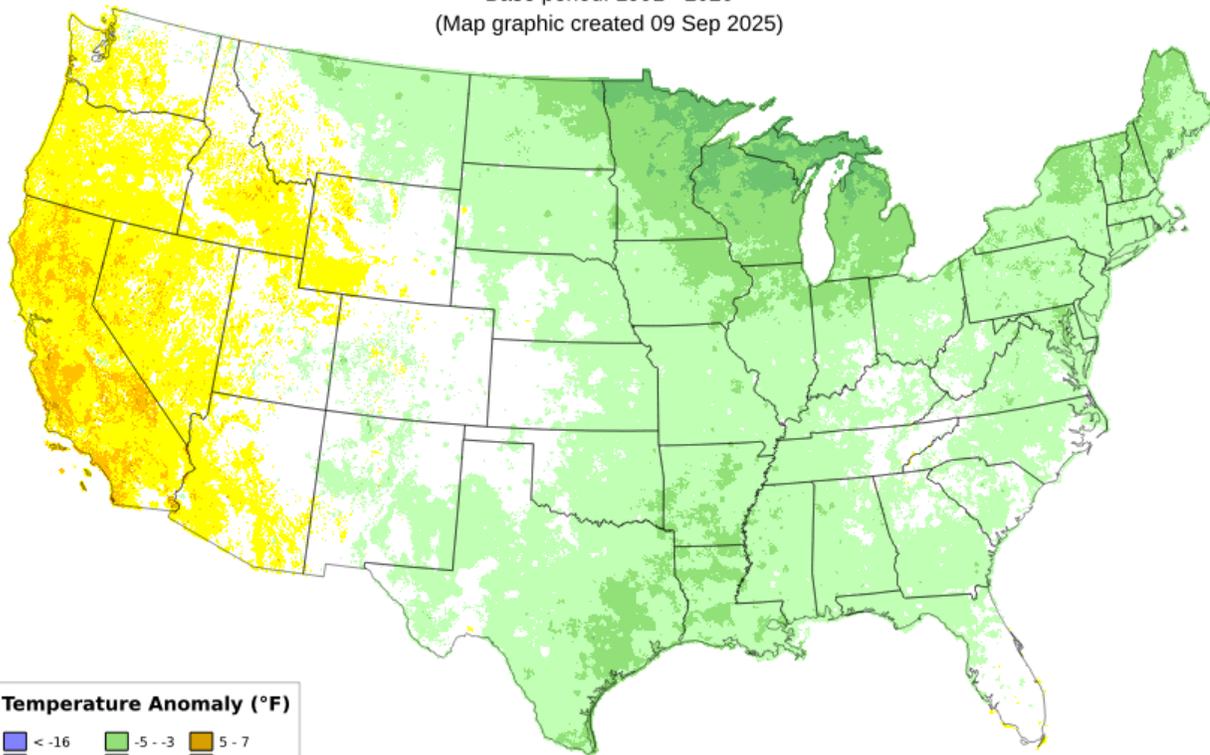
Spring 2014 vs 2018 temps

Daily Mean Temperature Anomaly: Mar 2014 - May 2014

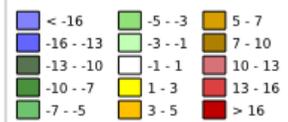
Period ending 7 AM EST 31 May 2014

Base period: 1991 - 2020

(Map graphic created 09 Sep 2025)



Temperature Anomaly (°F)



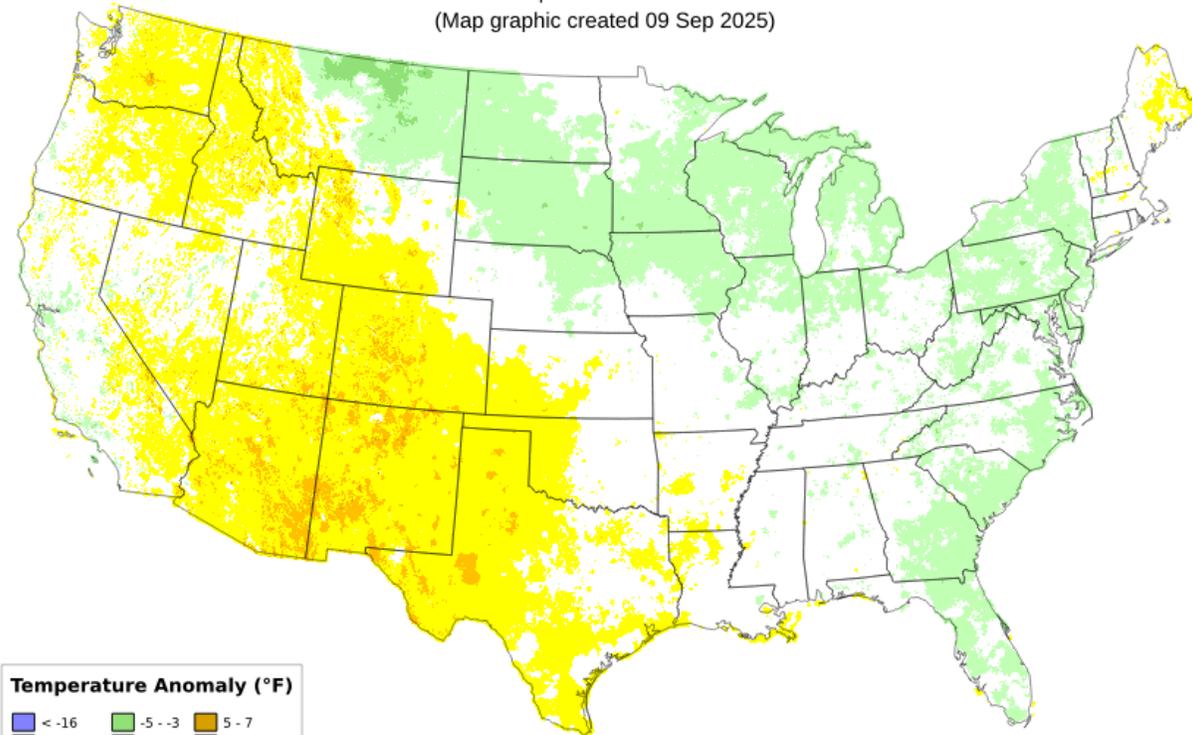
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Daily Mean Temperature Anomaly: Mar 2018 - May 2018

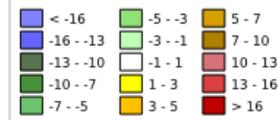
Period ending 7 AM EST 31 May 2018

Base period: 1991 - 2020

(Map graphic created 09 Sep 2025)

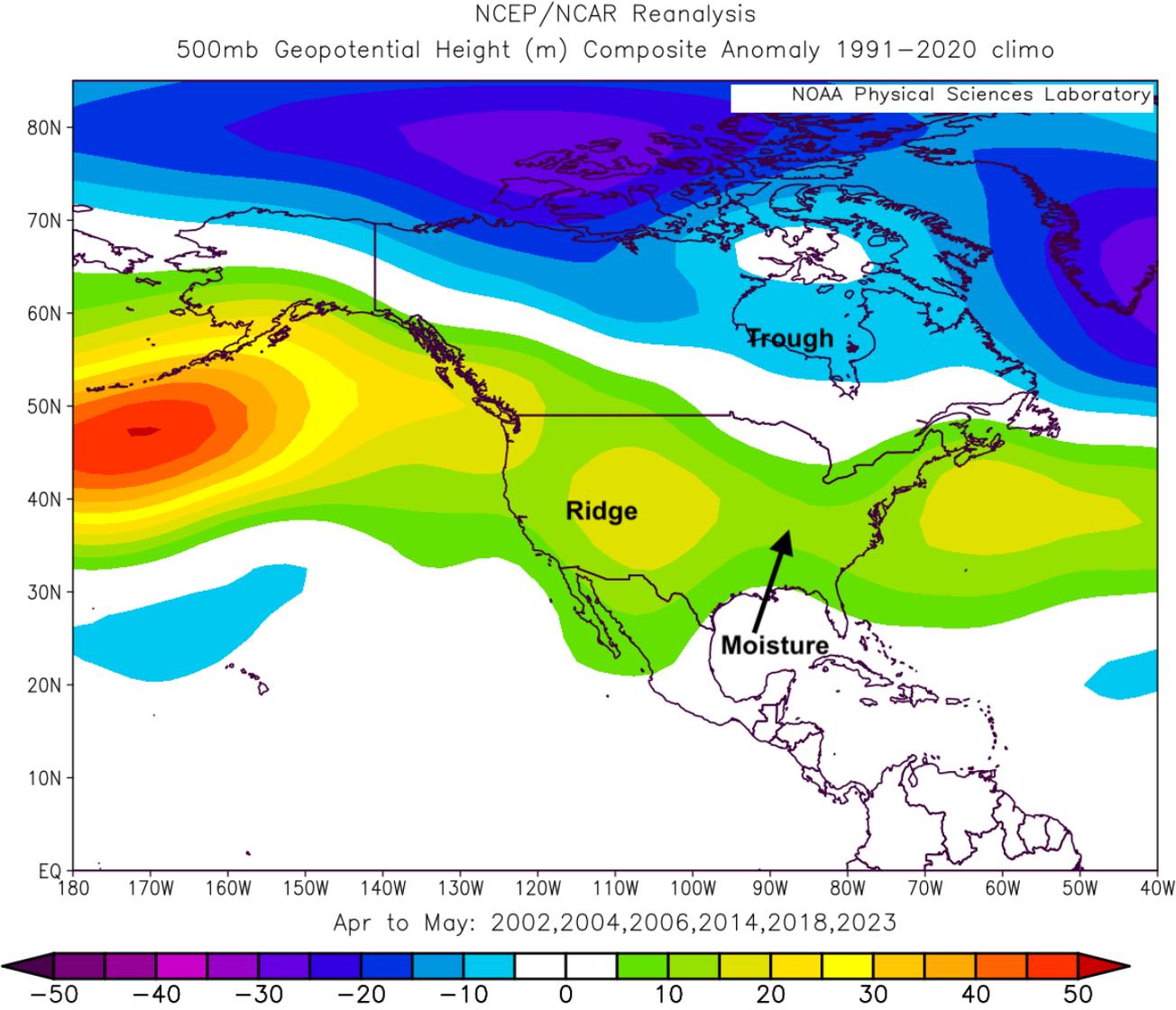


Temperature Anomaly (°F)



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Developing El Nino composite



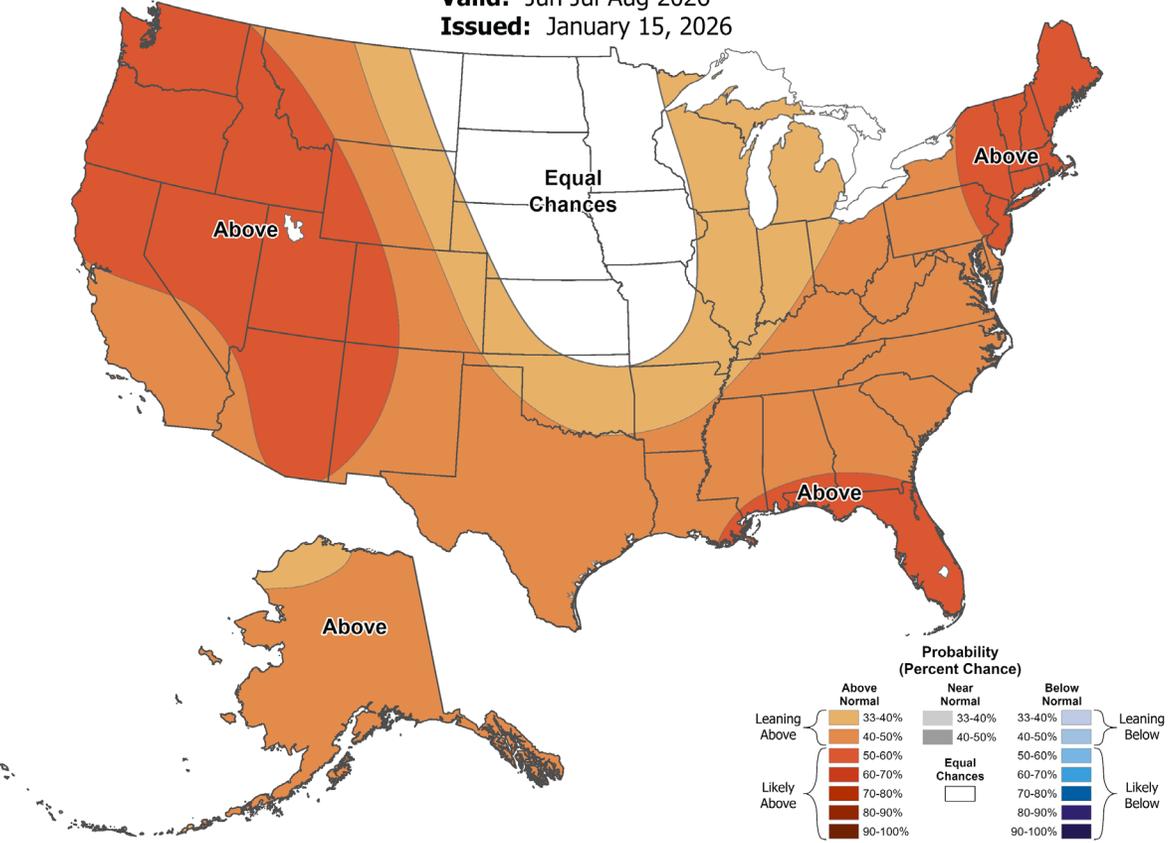
Source, NOAA

CPC Summer 2026 preview



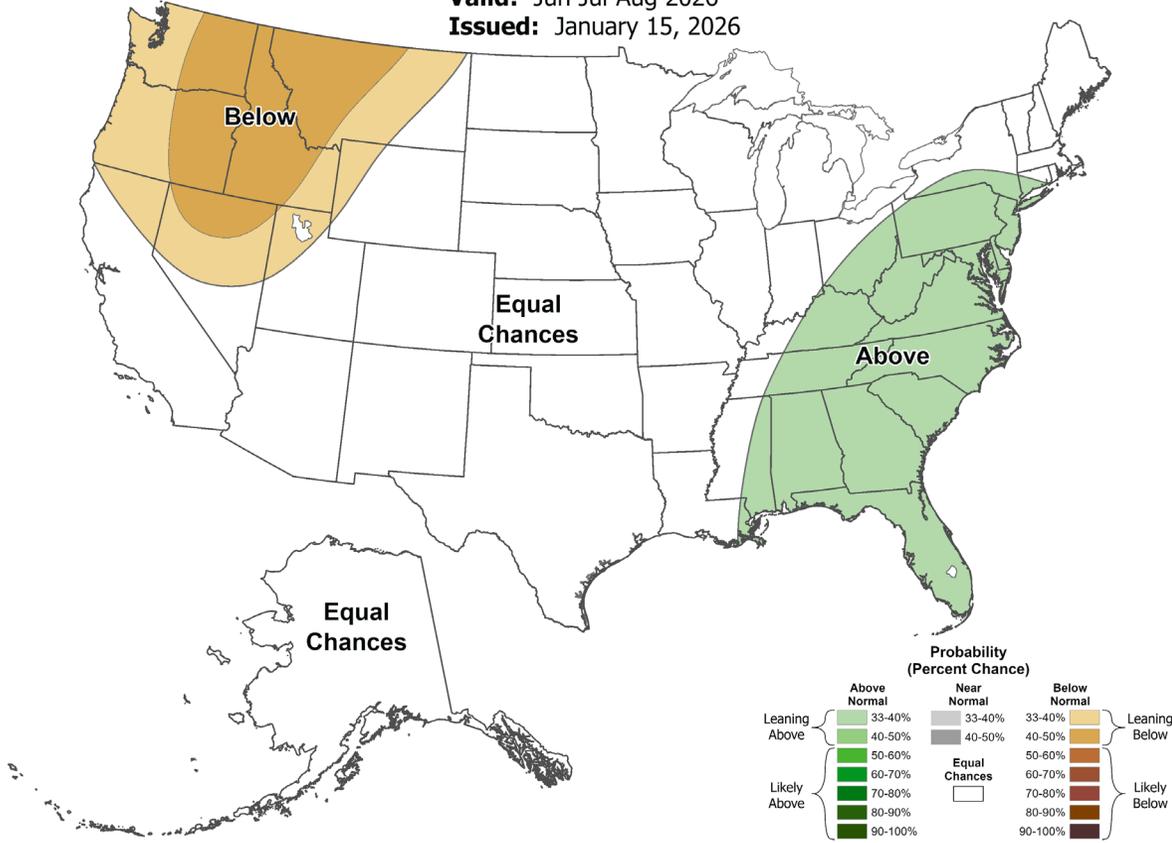
Seasonal Temperature Outlook

Valid: Jun-Jul-Aug 2026
 Issued: January 15, 2026



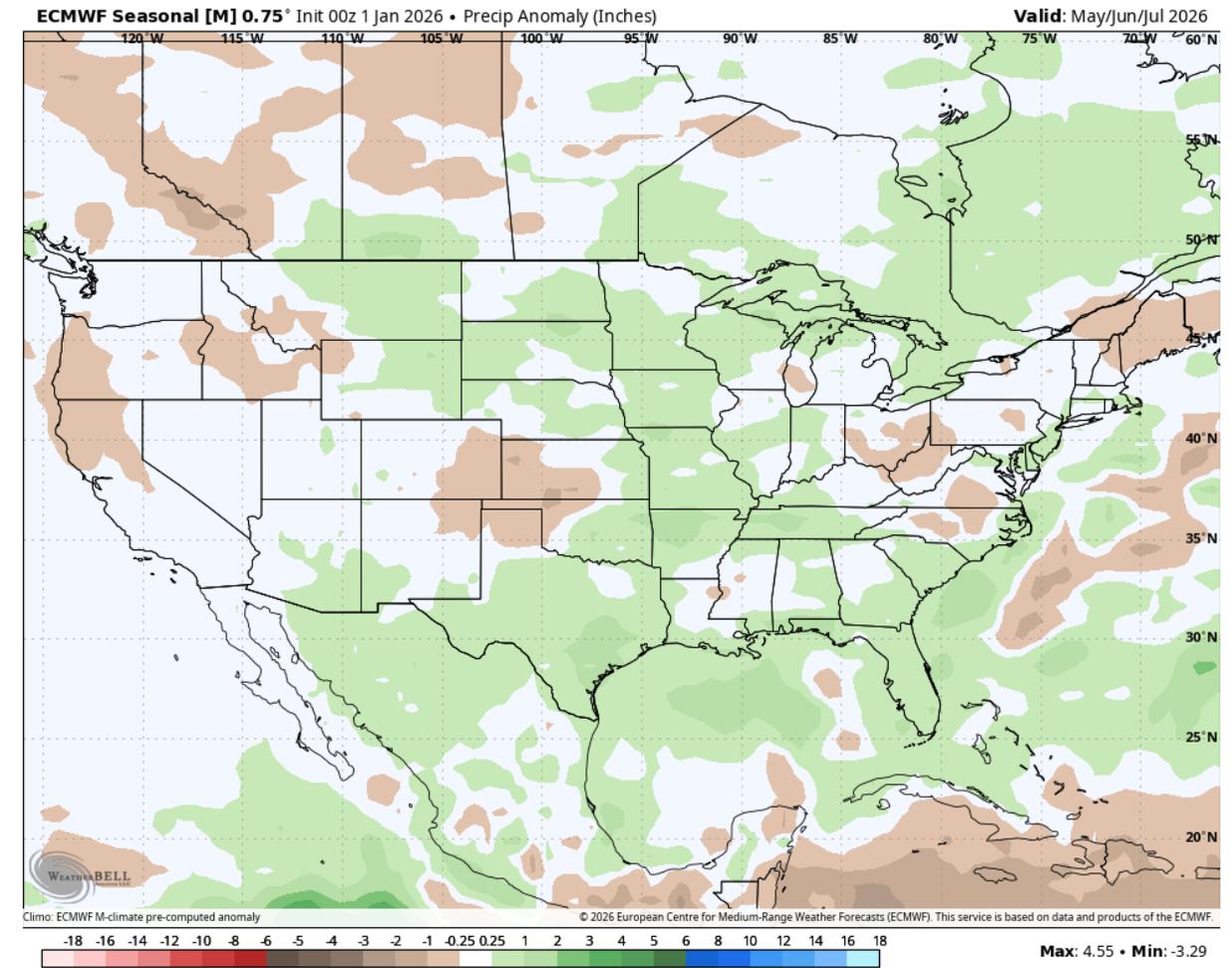
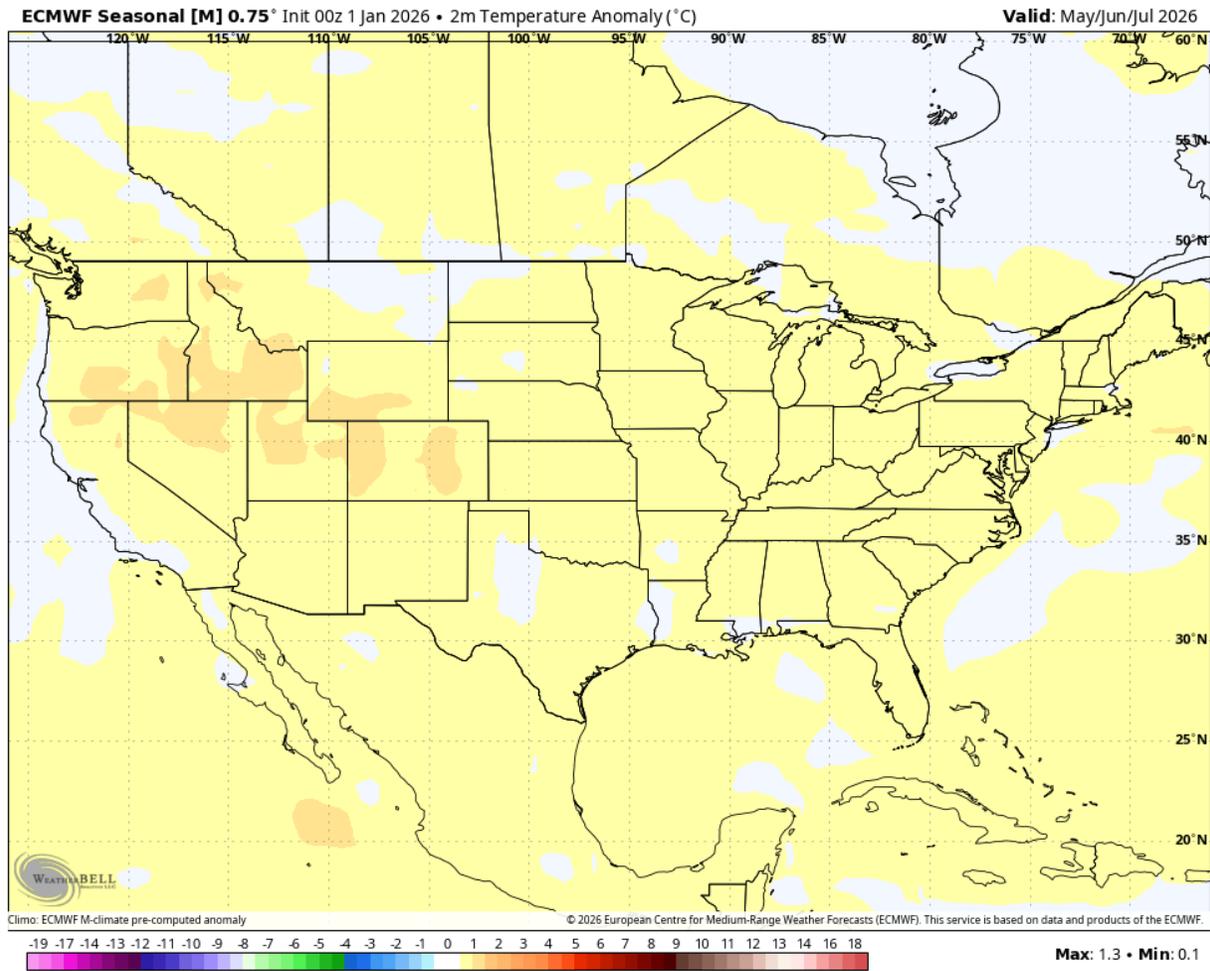
Seasonal Precipitation Outlook

Valid: Jun-Jul-Aug 2026
 Issued: January 15, 2026



ECMWF Summer 2026 preview

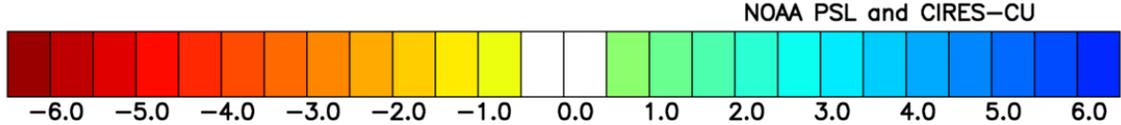
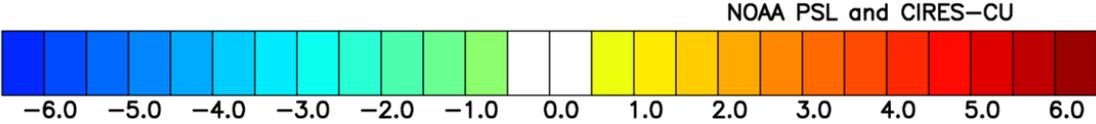
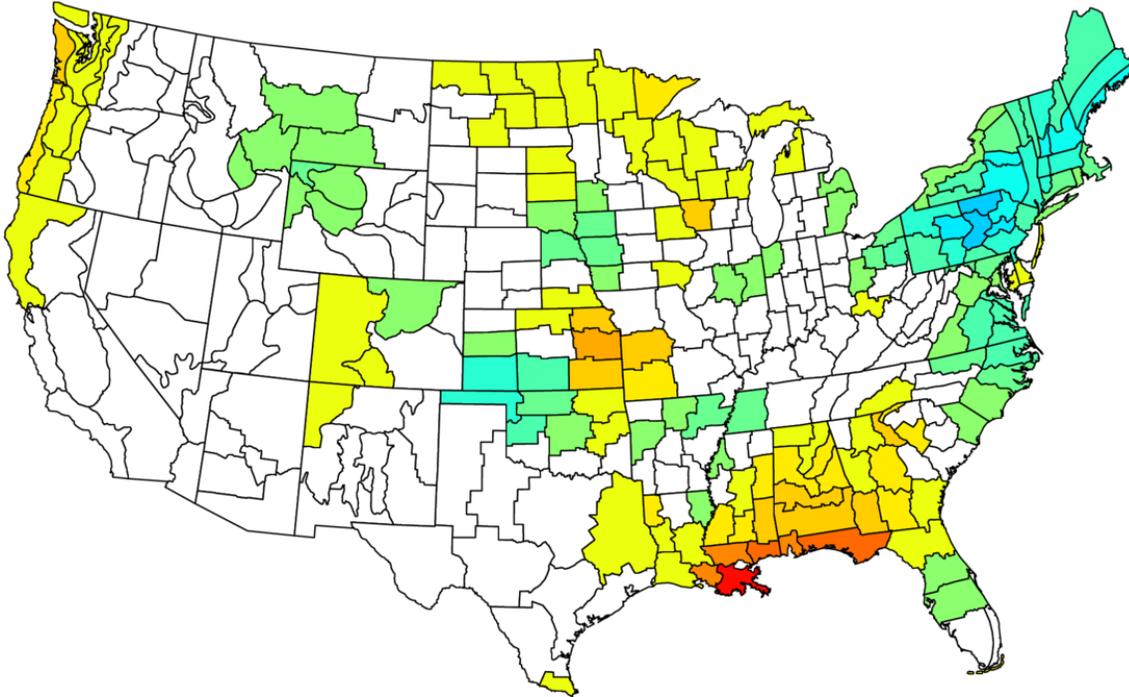
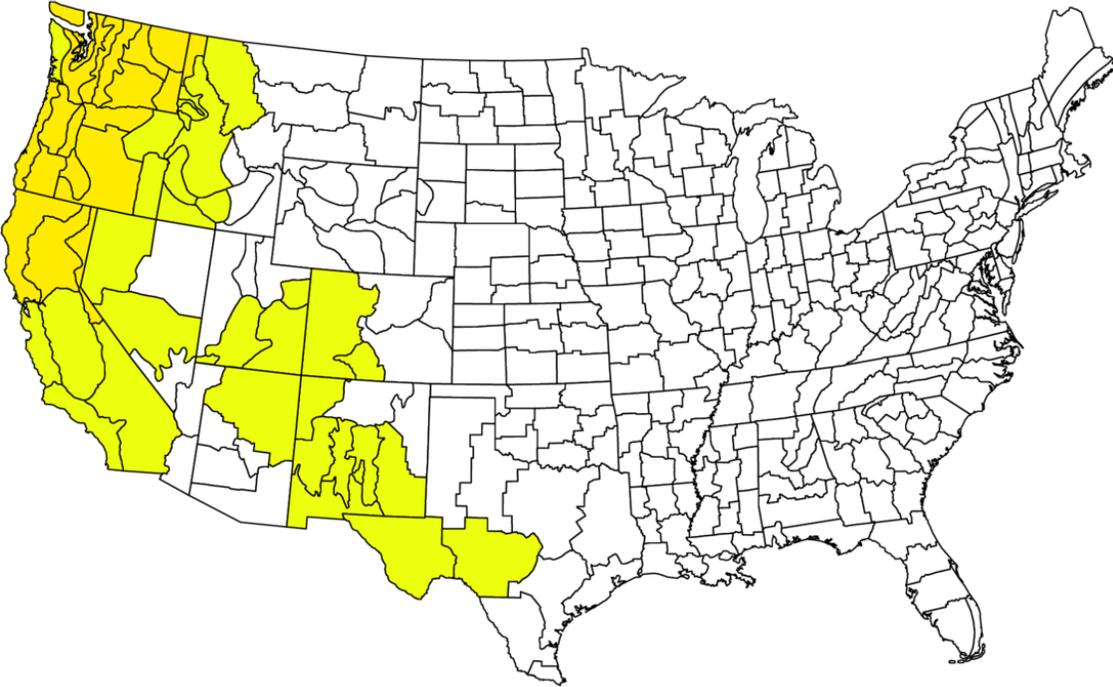
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Summer 2026 preview

NOAA/NCEI Climate Division Composite Temperature Anomalies (F)
Jun to Aug 2002,2004,2006,2014,2018,2023
Versus 1991–2020 Longterm Average

NOAA/NCEI Climate Division Composite Precipitation Anomalies (in)
Jun to Aug 2002,2004,2006,2014,2018,2023
Versus 1991–2020 Longterm Average



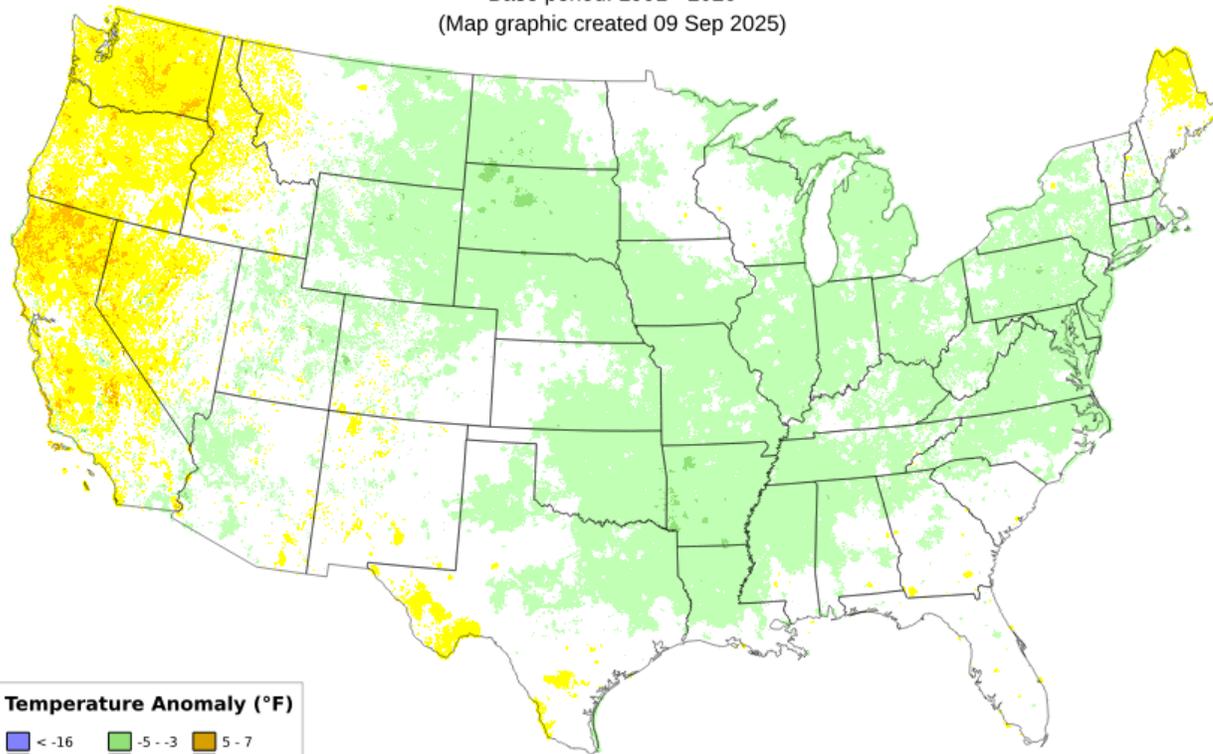
Summer 2014 vs 2018 temps

Daily Mean Temperature Anomaly: Jun 2014 - Aug 2014

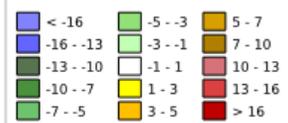
Period ending 7 AM EST 31 Aug 2014

Base period: 1991 - 2020

(Map graphic created 09 Sep 2025)



Temperature Anomaly (°F)



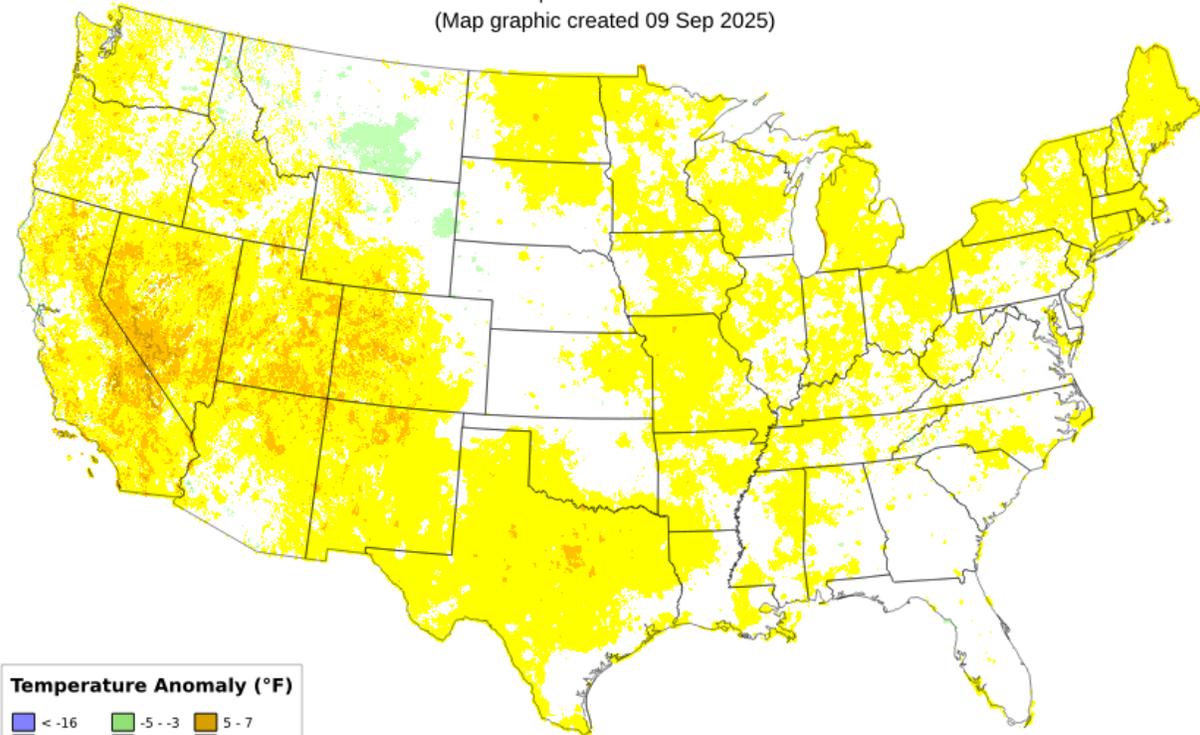
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Daily Mean Temperature Anomaly: Jun 2018 - Aug 2018

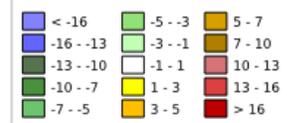
Period ending 7 AM EST 31 Aug 2018

Base period: 1991 - 2020

(Map graphic created 09 Sep 2025)



Temperature Anomaly (°F)



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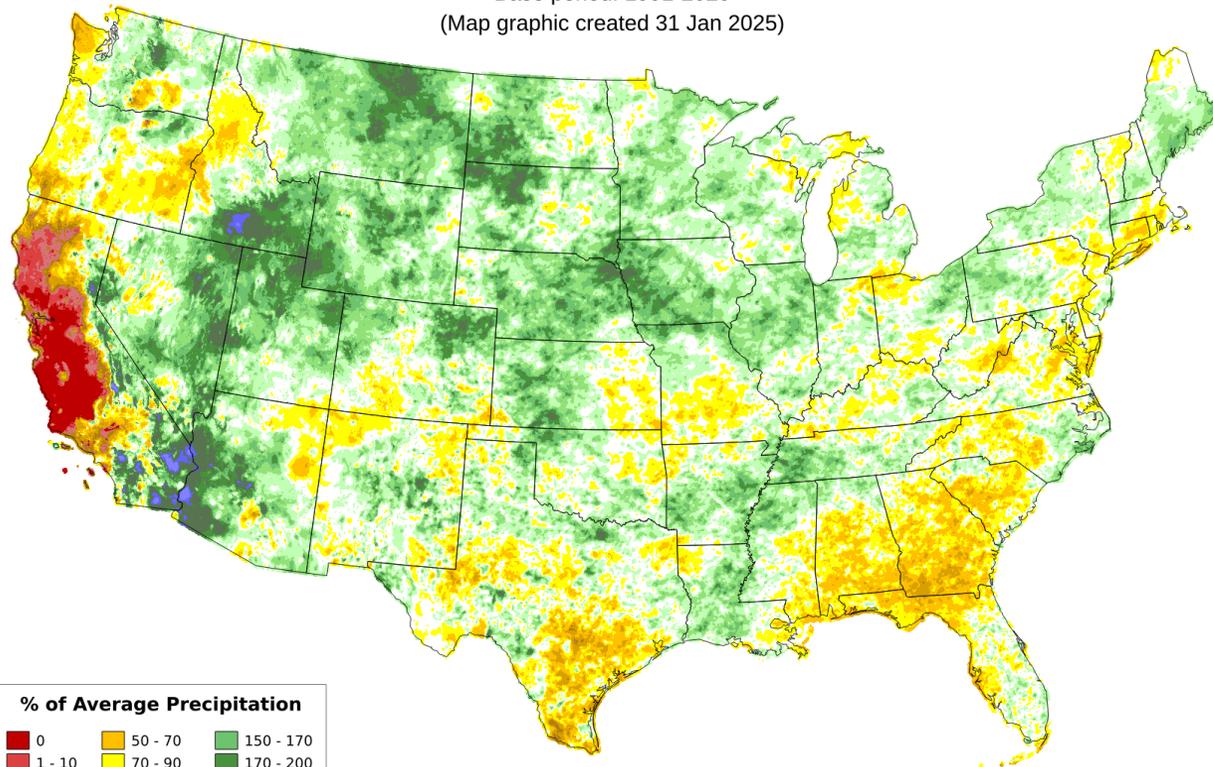
Summer 2014 vs 2018 precip

Total Precipitation Anomaly: Jun 2014 - Aug 2014

Period ending 7 AM EST 31 Aug 2014

Base period: 1991-2020

(Map graphic created 31 Jan 2025)



% of Average Precipitation

0	50 - 70	150 - 170
1 - 10	70 - 90	170 - 200
10 - 20	90 - 110	200 - 300
20 - 30	110 - 130	300 - 400
30 - 50	130 - 150	> 400

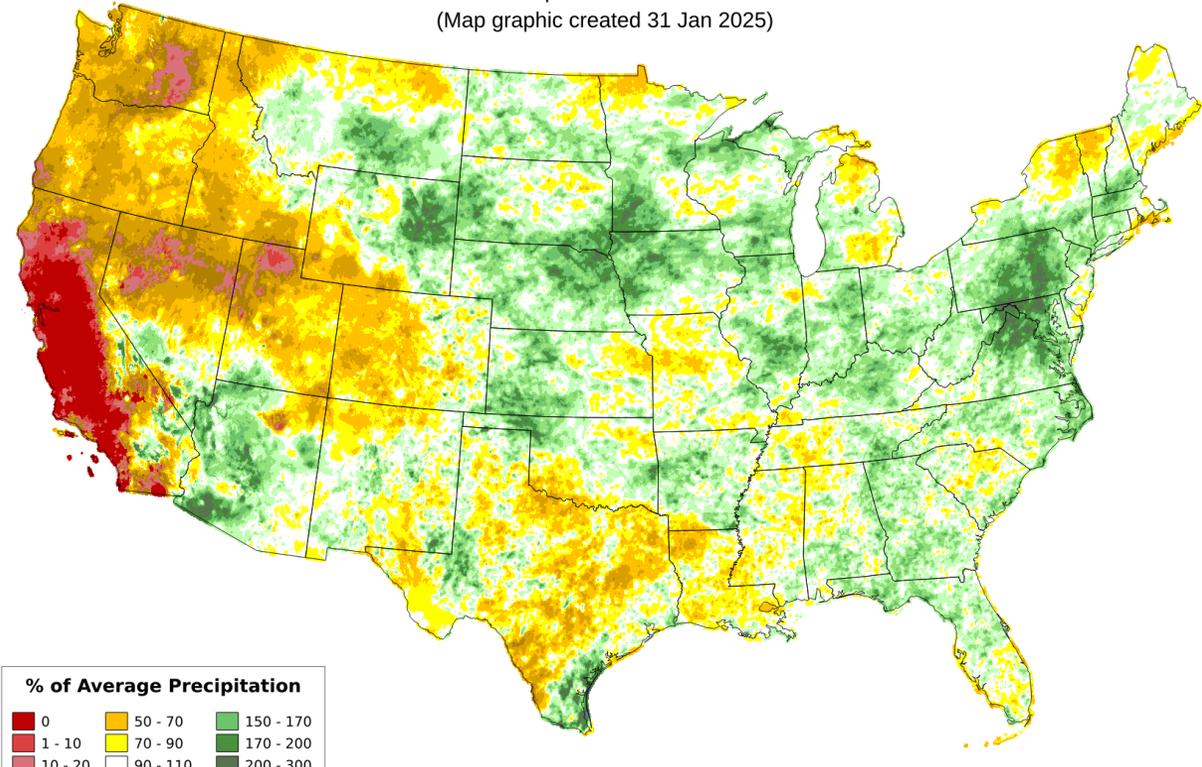
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Total Precipitation Anomaly: Jun 2018 - Aug 2018

Period ending 7 AM EST 31 Aug 2018

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(Map graphic created 31 Jan 2025)



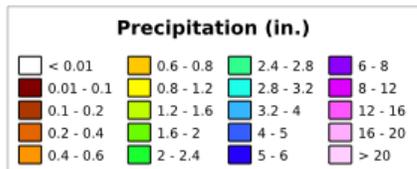
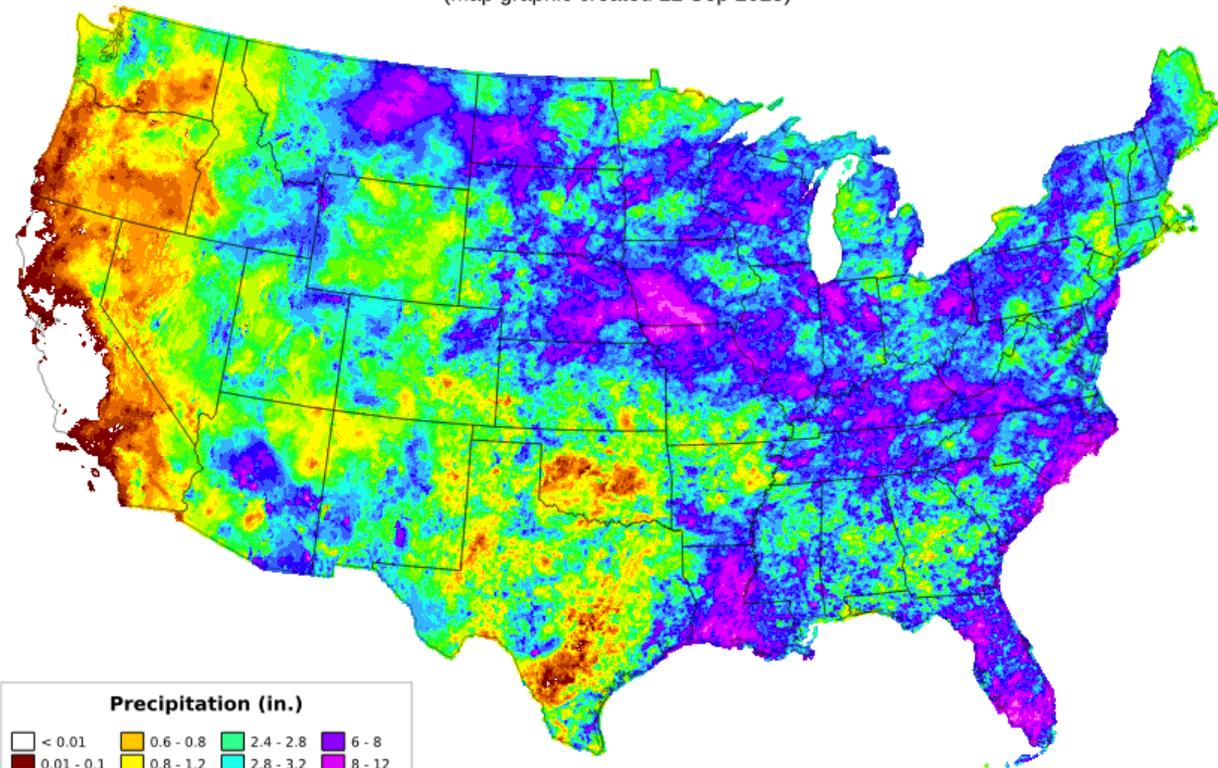
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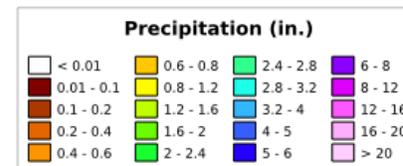
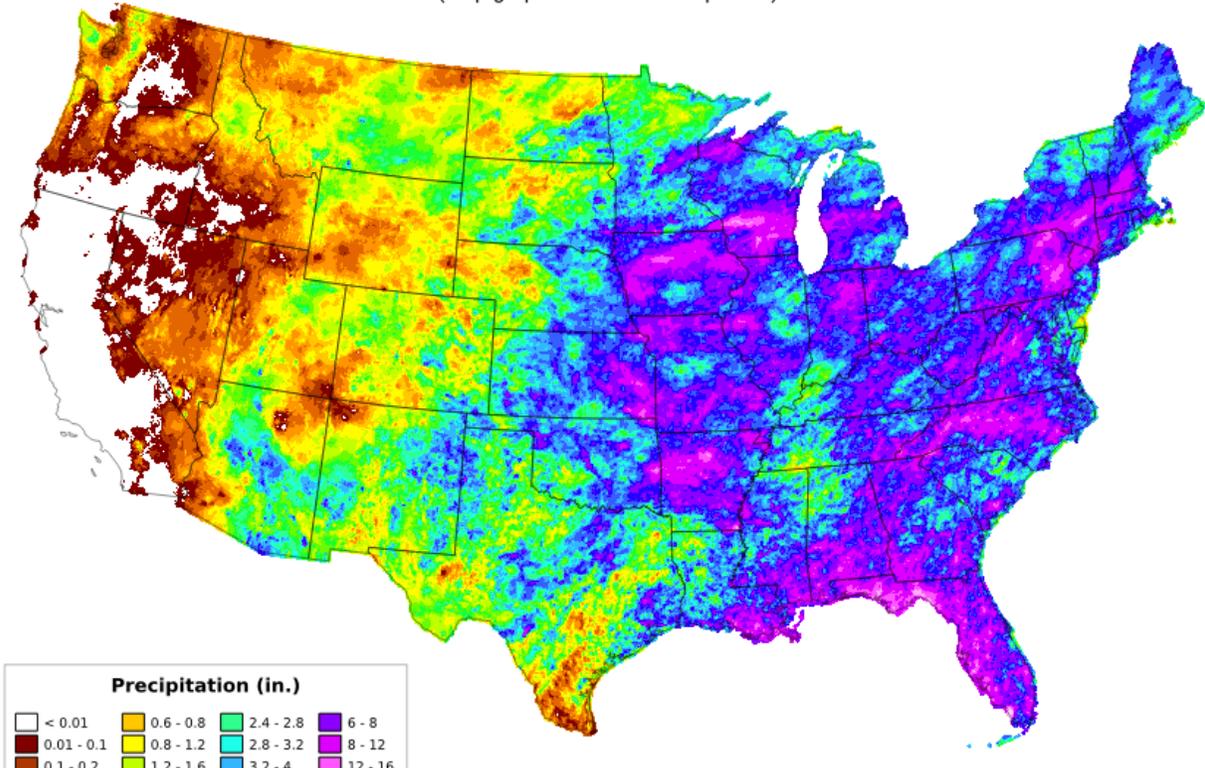
August 2014 vs 2018 precip

Total Precipitation: 01 Aug 2014 - 31 Aug 2014
Period ending 7 AM EST 31 Aug 2014
(Map graphic created 12 Sep 2025)



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Total Precipitation: 01 Aug 2018 - 31 Aug 2018
Period ending 7 AM EST 31 Aug 2018
(Map graphic created 12 Sep 2025)



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Contact

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CLIMATE OFFICE

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Phone: 402-617-4190

Find me on: Market Journal on Saturday mornings, Crop Watch podcast, and
Nebraska State Climate Office website (nsco.unl.edu)

TikTok: [@neclimateoffice](https://www.tiktok.com/@neclimateoffice)