National Weather Service Daily Briefing

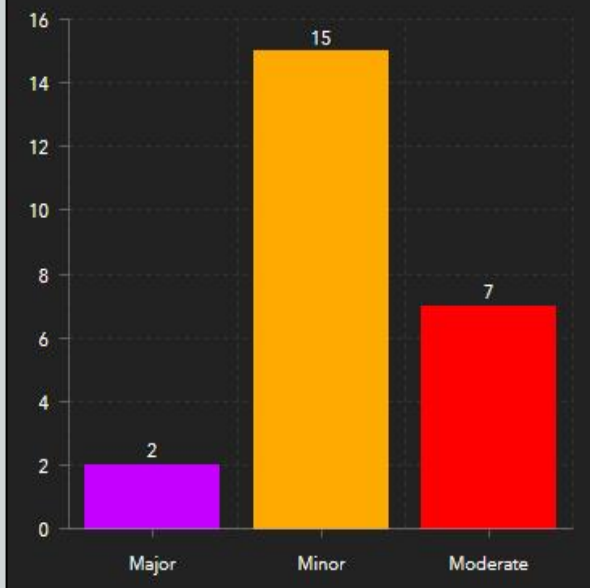
Monday, November 15, 2021

By Anna Wolverton

Current Conditions

Current Gauges At or Above Flood Stage

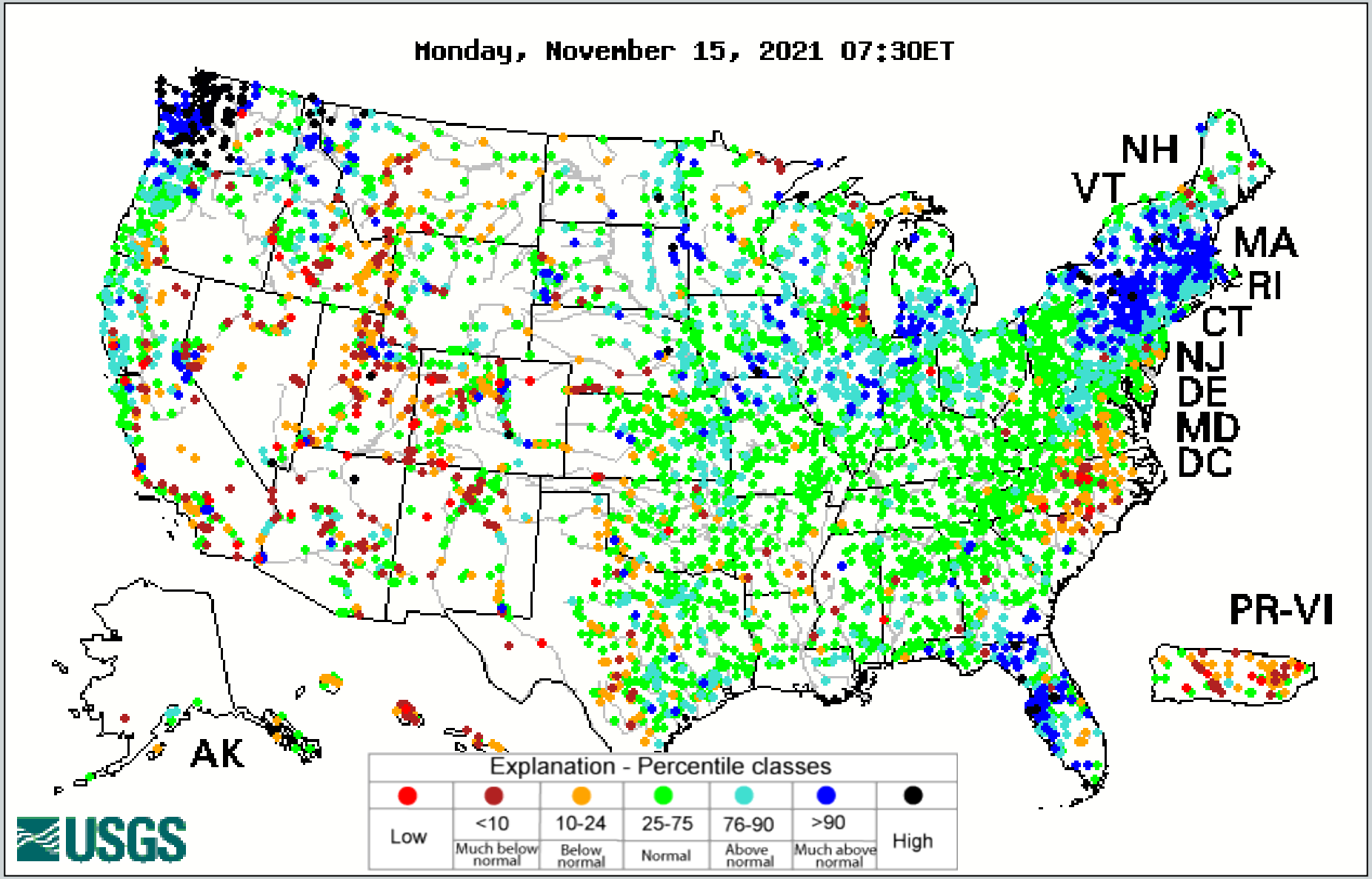
Gauge Count Above Flood Stage



Gauges Above Moderate Stage

- **Snoqualmie River at Carnation**
  Stage: 56.67 ft
- **Snohomish River at Monroe**
  Stage: 16.52 ft
- **Nooksack River at North Cedarvillle**
  Stage: 149.85 ft

Current Streamflow

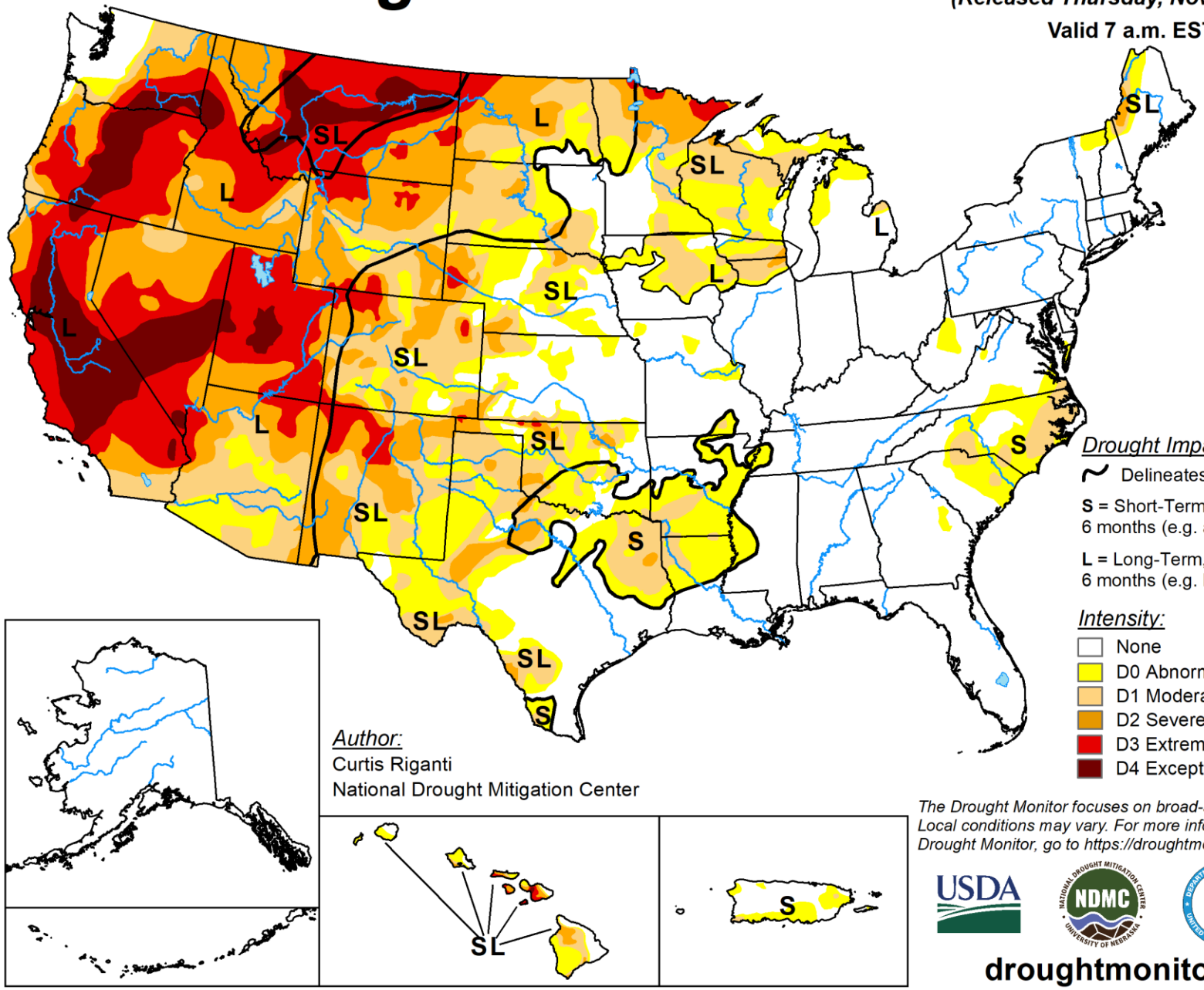


U.S. Drought Monitor

November 9, 2021

(Released Thursday, Nov. 11, 2021)

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:

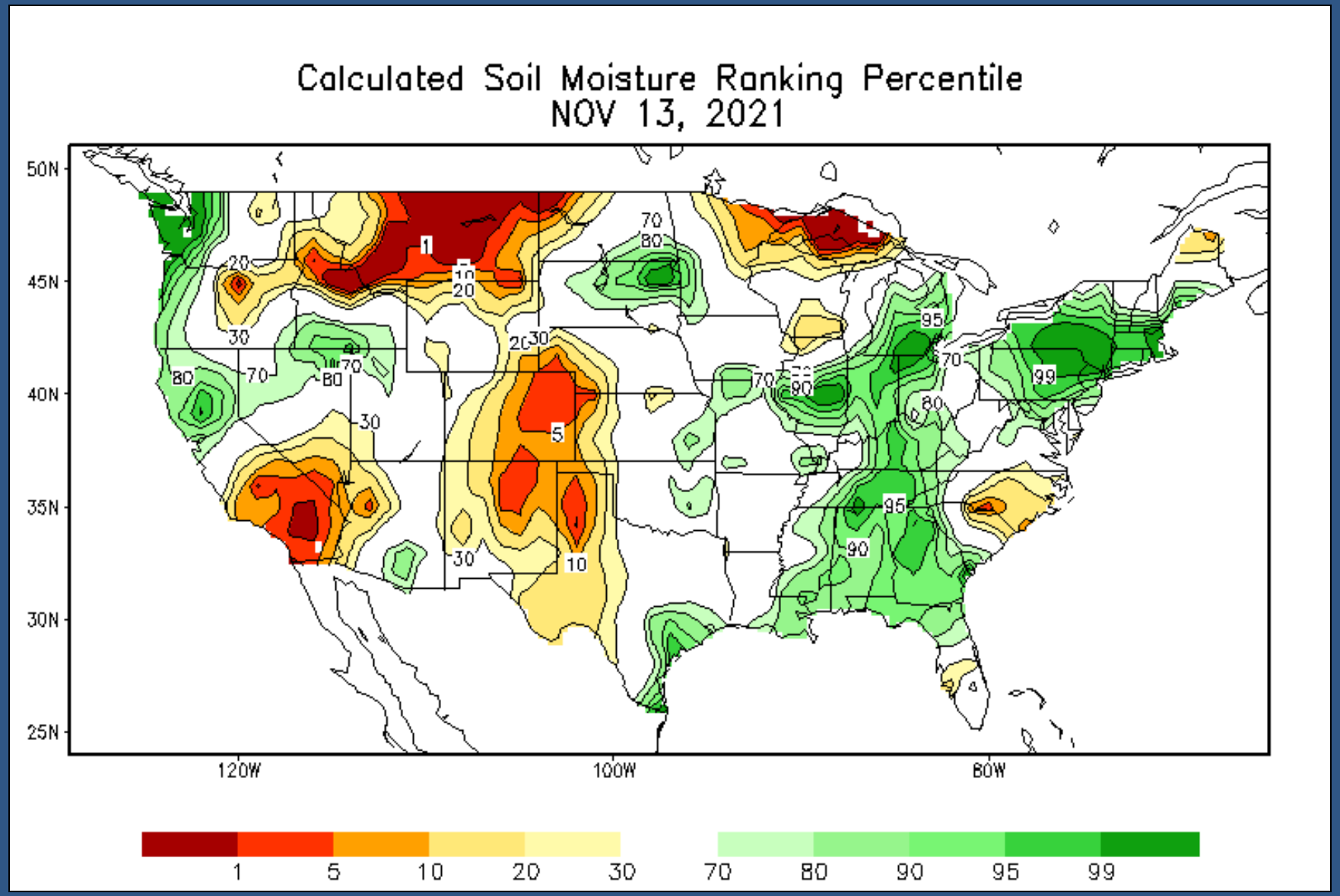
- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

Author:
Curtis Riganti
National Drought Mitigation Center

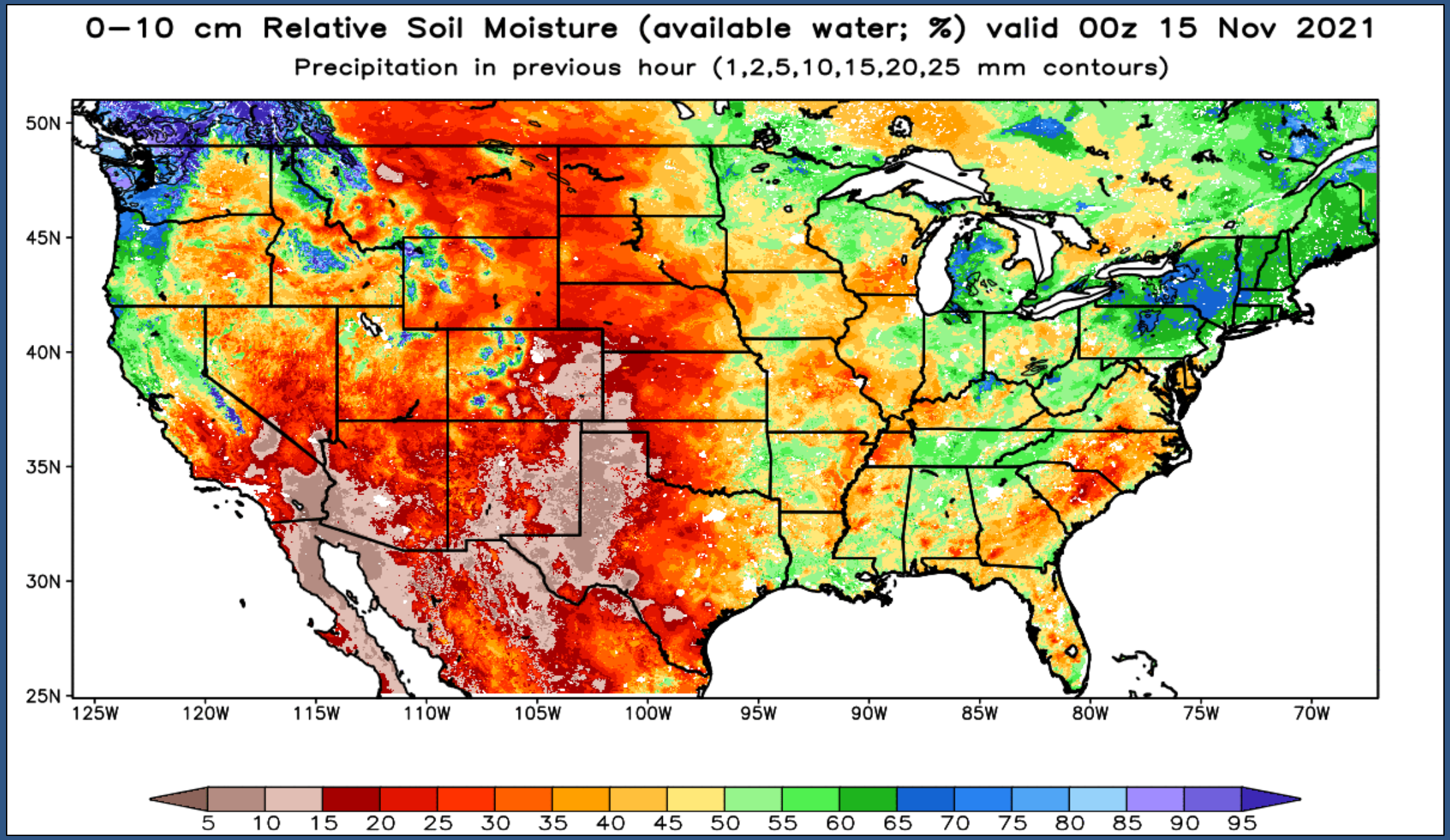
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx

droughtmonitor.unl.edu

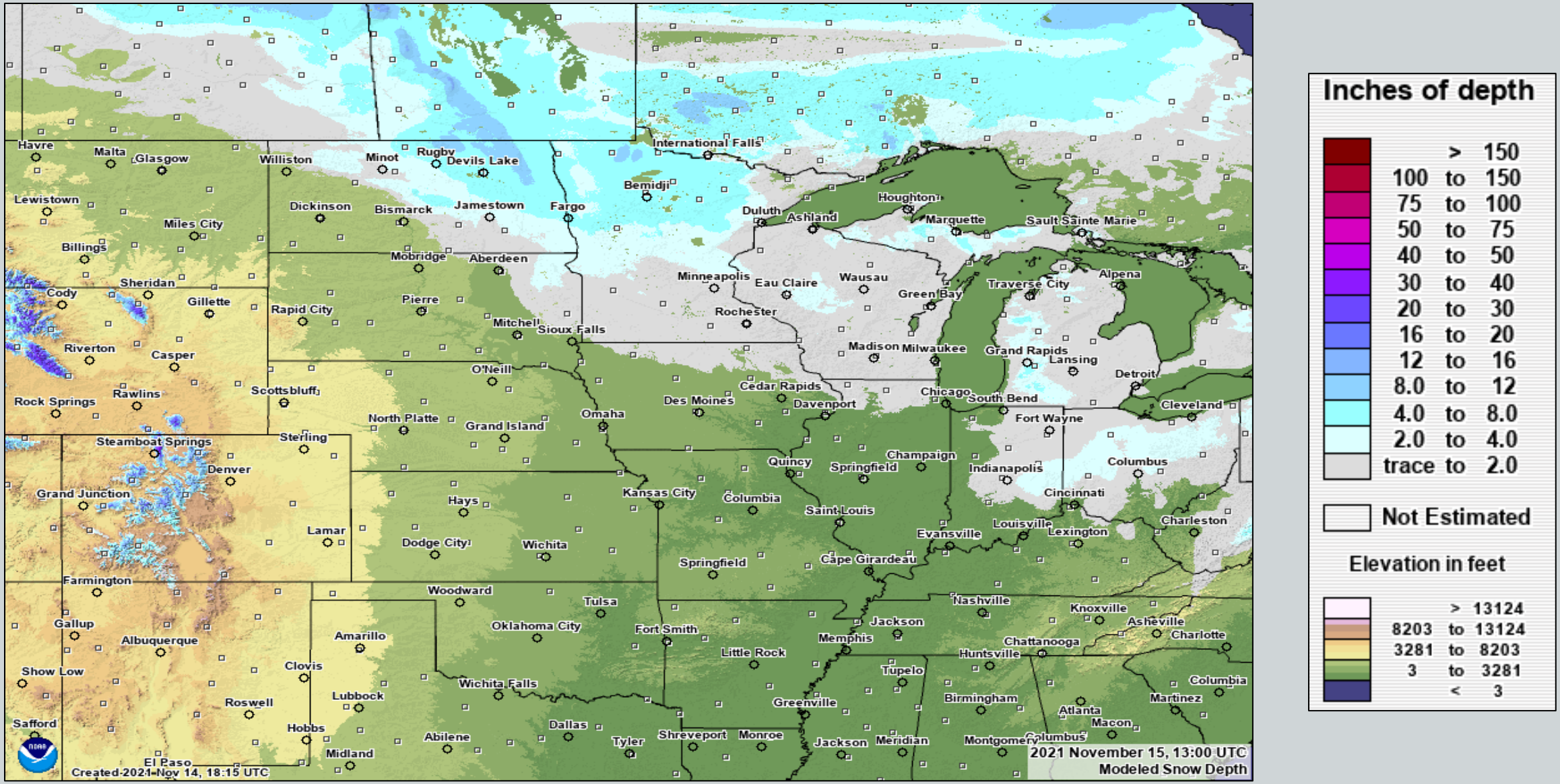
Soil Moisture Percentile



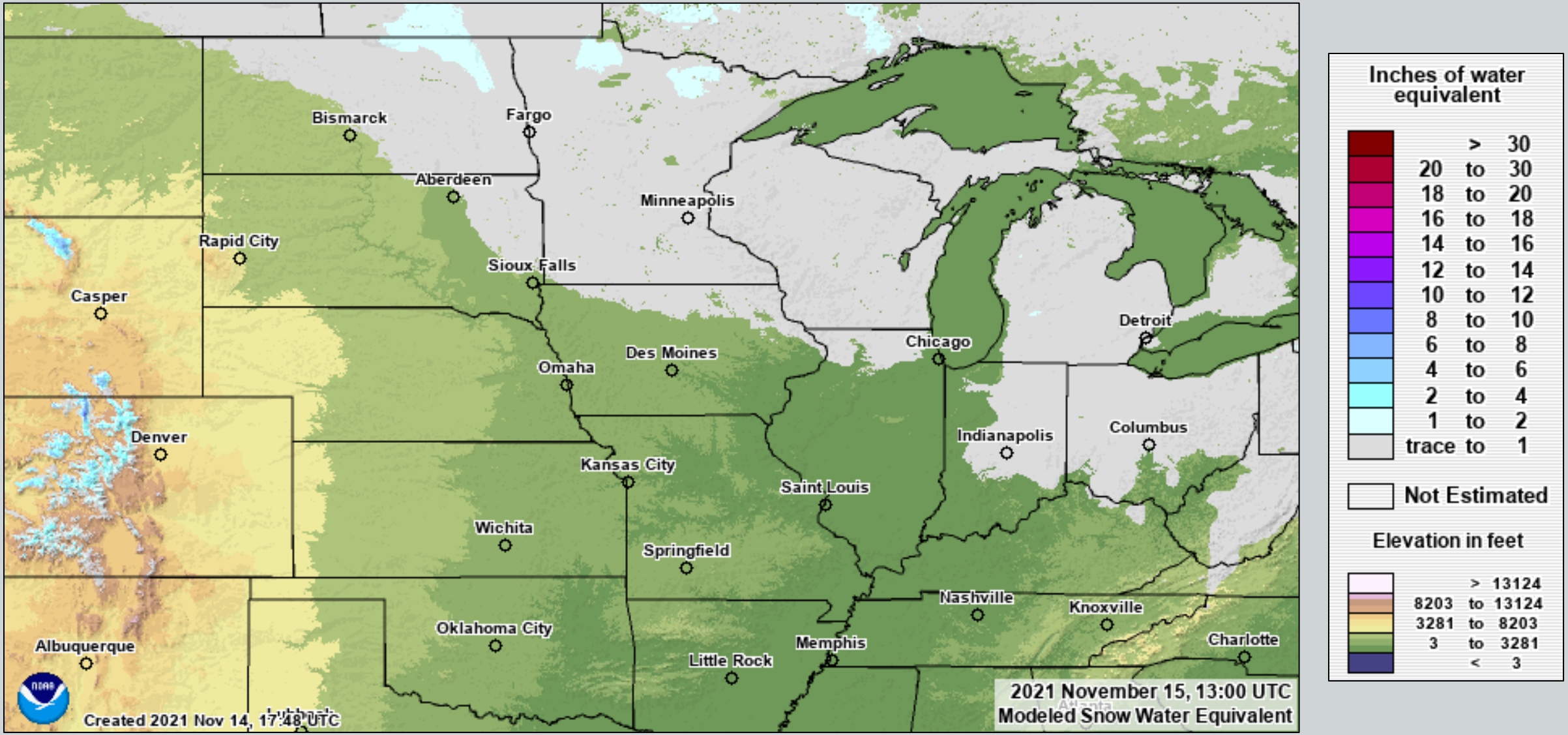
Soil Moisture



Snow Depth

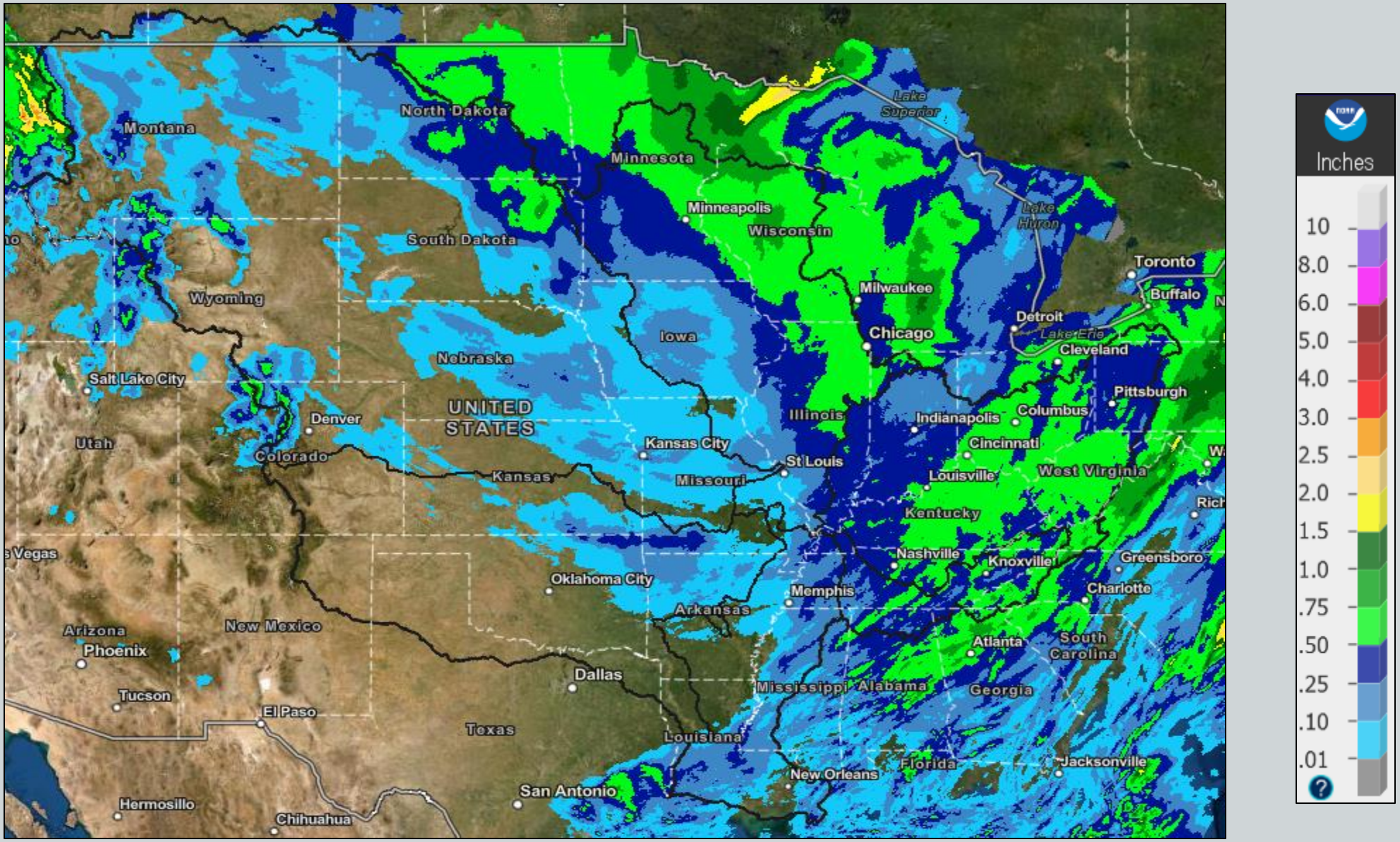

Havre
Malta
Glasgow
Williston
Minot
Rugby
Devils Lake
International Falls
Bemidji
Lewistown
Dickinson
Bismarck
Jamestown
Fargo
Duluth
Ashland
Houghton
Marquette
Sault Sainte Marie
Miles City
Billings
Mobridge
Aberdeen
Minneapolis
Eau Claire
Wausau
Green Bay
Traverse City
Alpena
Sheridan
Cody
Gillette
Rapid City
Pierre
Rochester
Mitchell
Sioux Falls
Madison
Milwaukee
Grand Rapids
Lansing
Detroit
Riverton
Casper
O'Neill
Rawlins
Scottsbluff
Rock Springs
Cedar Rapids
Des Moines
Davenport
Chicago
South Bend
Cleveland
North Platte
Grand Island
Omaha
Fort Wayne
Steamboat Springs
Sterling
Denver
Quincy
Springfield
Champaign
Indianapolis
Columbus
Grand Junction
Kansas City
Columbia
Cincinnati
Hays
Saint Louis
Lamar
Dodge City
Wichita
Evansville
Louisville
Lexington
Charleston
Springfield
Cape Girardeau
Farmington
Woodward
Tulsa
Nashville
Knoxville
Asheville
Gallup
Albuquerque
Amarillo
Oklahoma City
Fort Smith
Jackson
Memphis
Charlotte
Chattanooga
Little Rock
Huntsville
Show Low
Clovis
Tupelo
Wichita Falls
Columbia
Lubbock
Roswell
Greenville
Birmingham
Martinez
Atlanta
Safford
Hobbs
Dallas
Macon
Abilene
Tyler
Shreveport
Monroe
Jackson
Meridian
Montgomery
Columbus
Midland
El Paso
Created 2021-Nov 14, 18:15 UTC
2021 November 15, 13:00 UTC
Modeled Snow Depth
Inches of depth
> 150
100 to 150
75 to 100
50 to 75
40 to 50
30 to 40
20 to 30
16 to 20
12 to 16
8.0 to 12
4.0 to 8.0
2.0 to 4.0
trace to 2.0
Not Estimated
Elevation in feet
> 13124
8203 to 13124
3281 to 8203
3 to 3281
< 3

Snow Water Equivalent

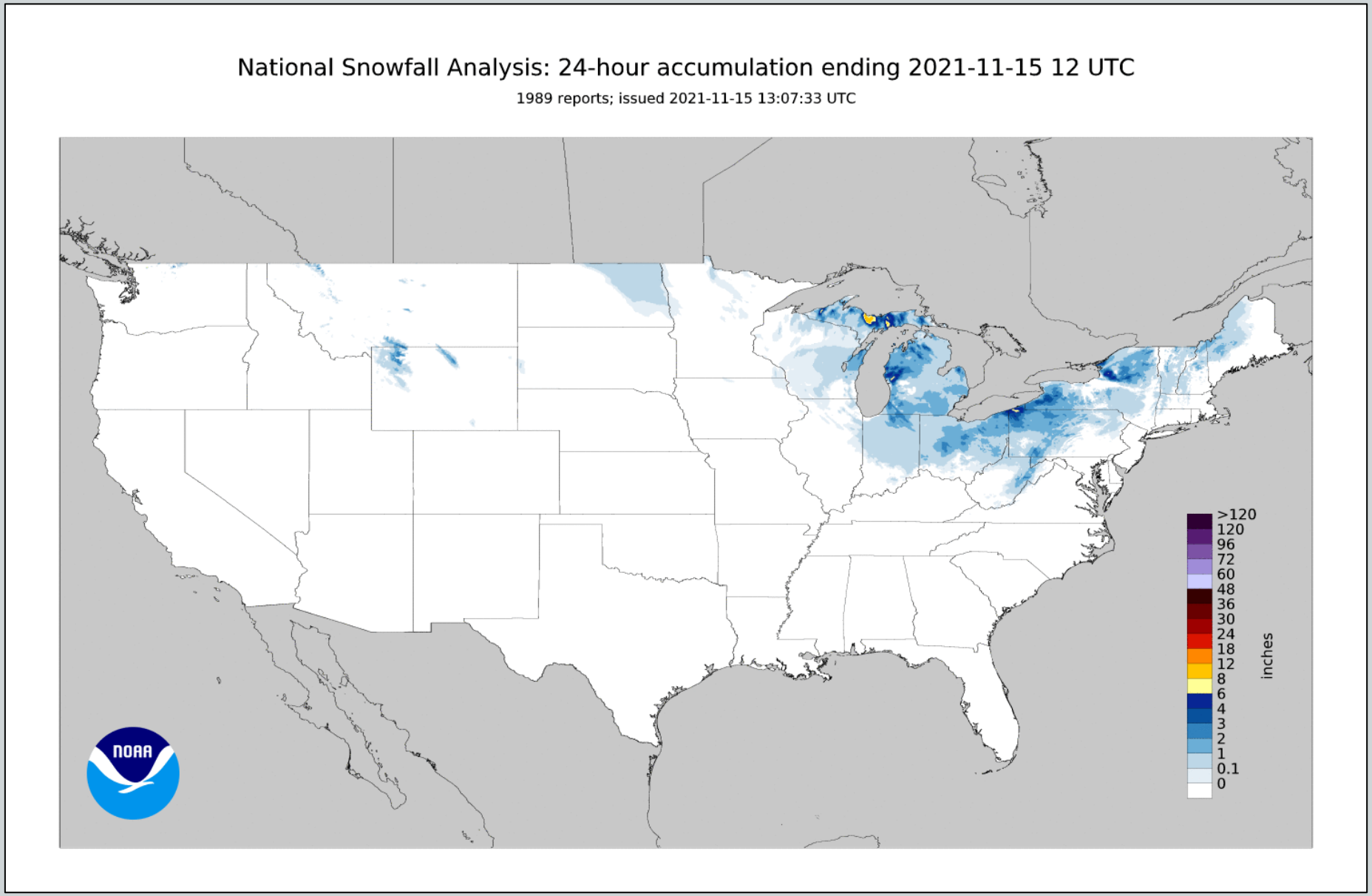


Past Precipitation

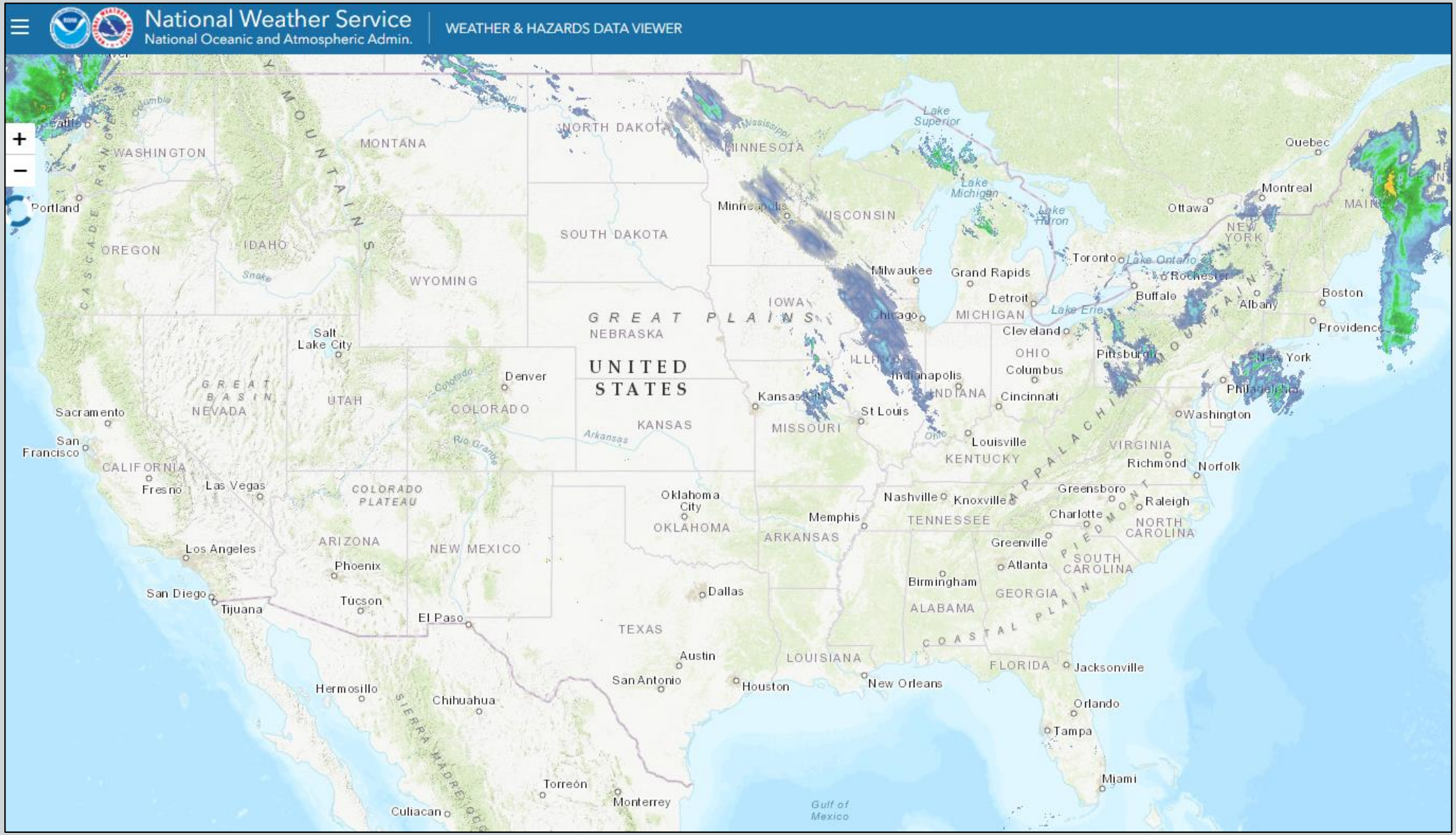
Past 72 hr Precip Ending at 7 AM



24 hr Snowfall Ending at 7 AM

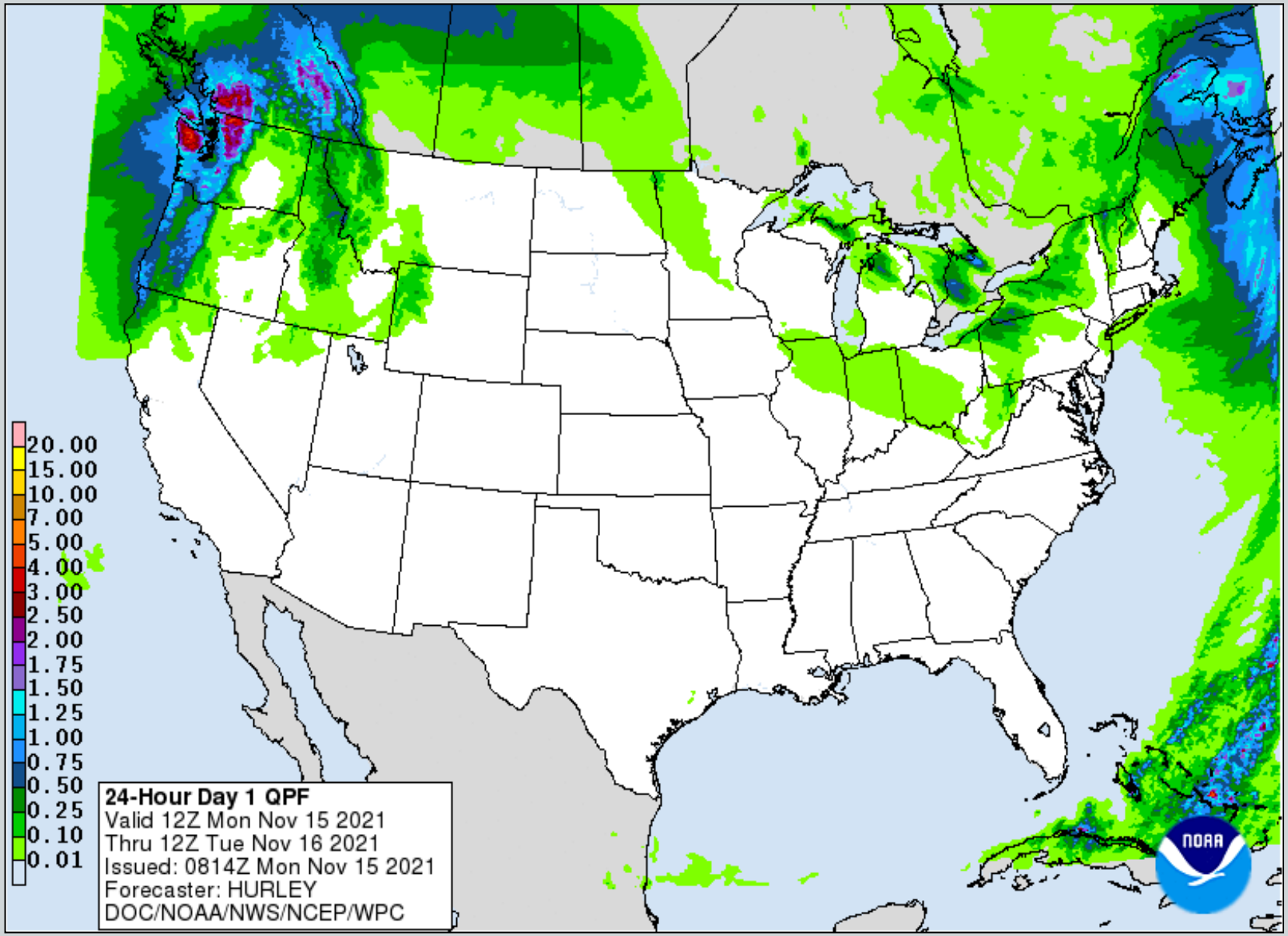


Current Radar

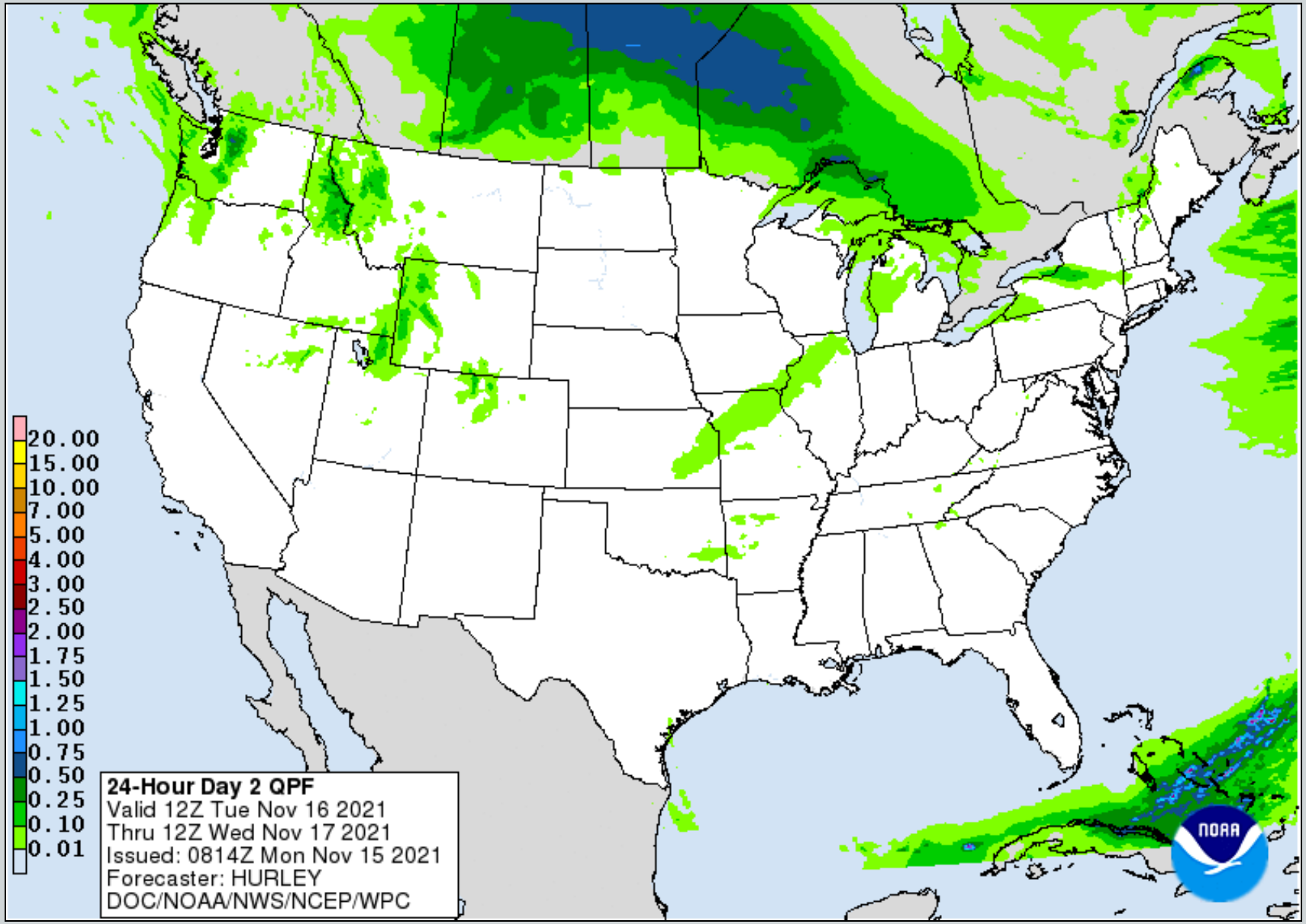


Forecast Precipitation

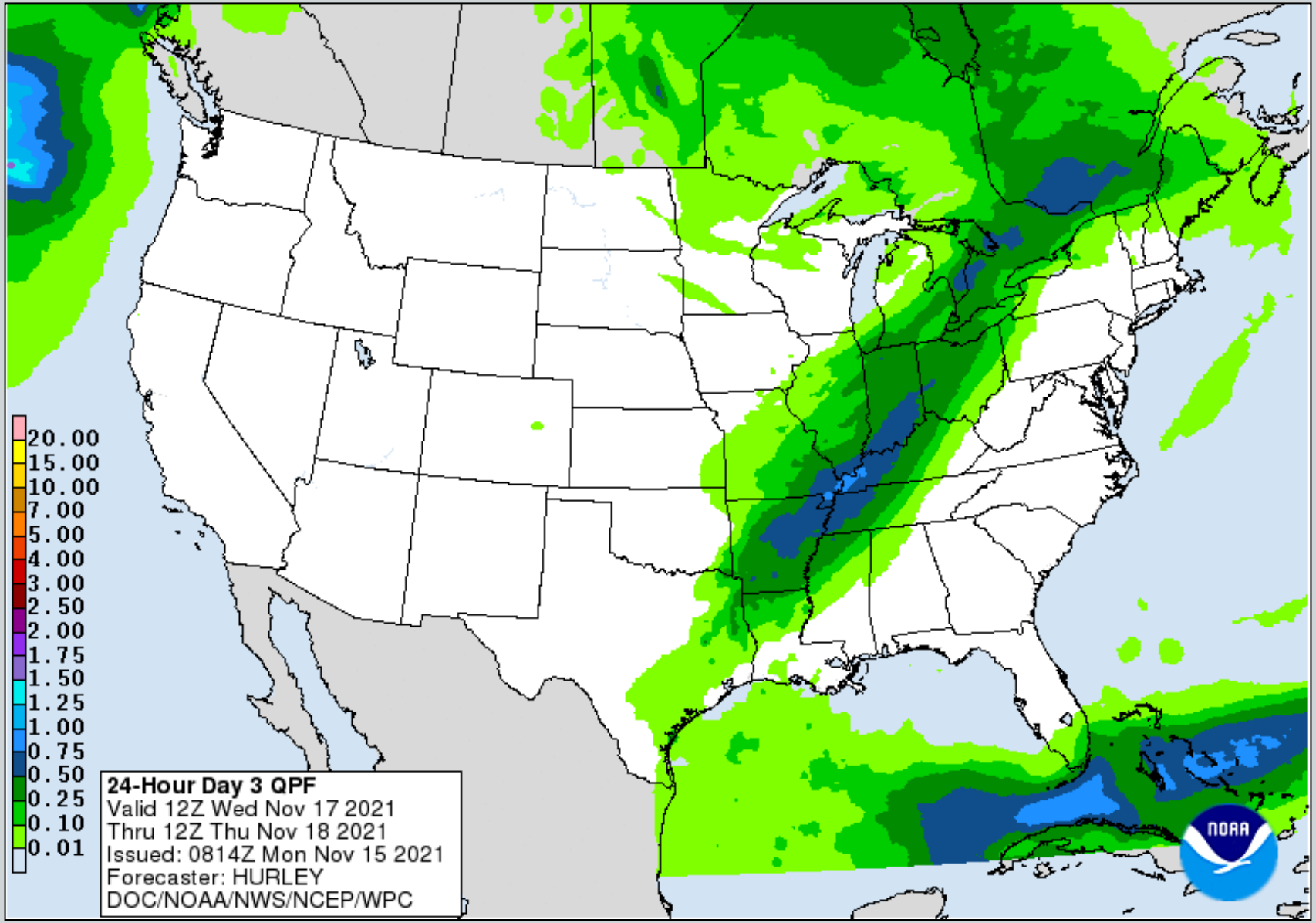
Day 1 Precip Forecast



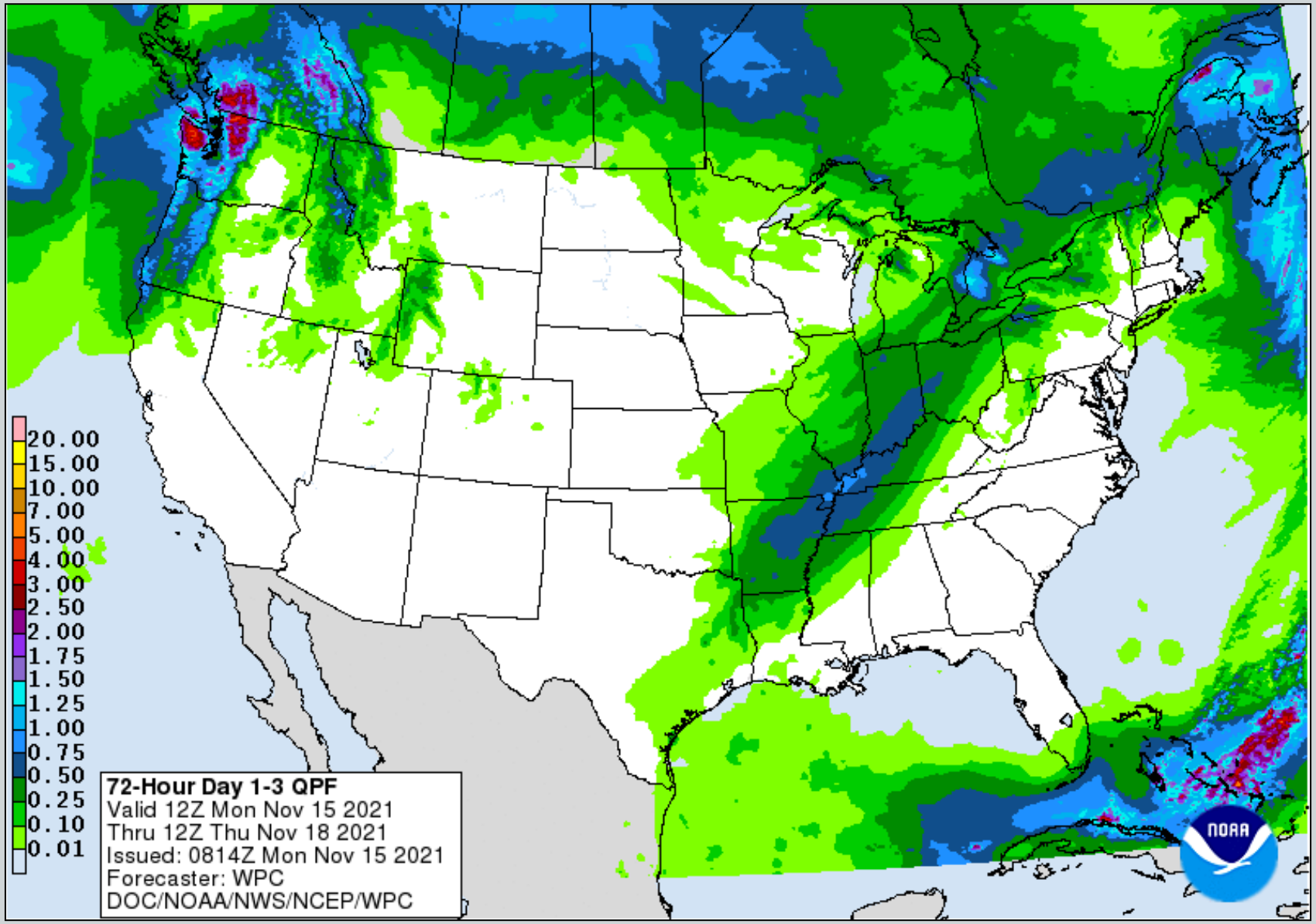
Day 2 Precip Forecast



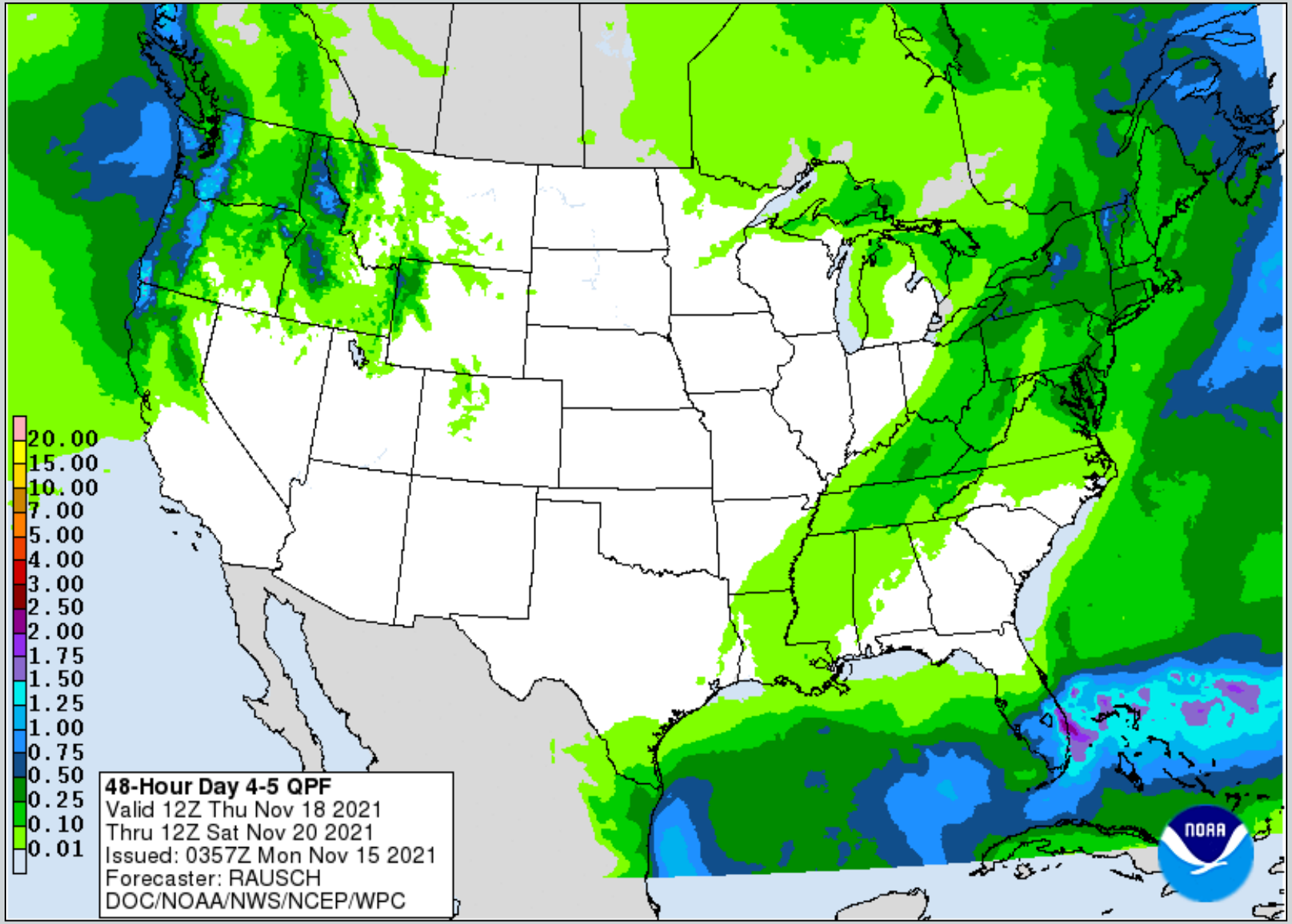
Day 3 Precip Forecast



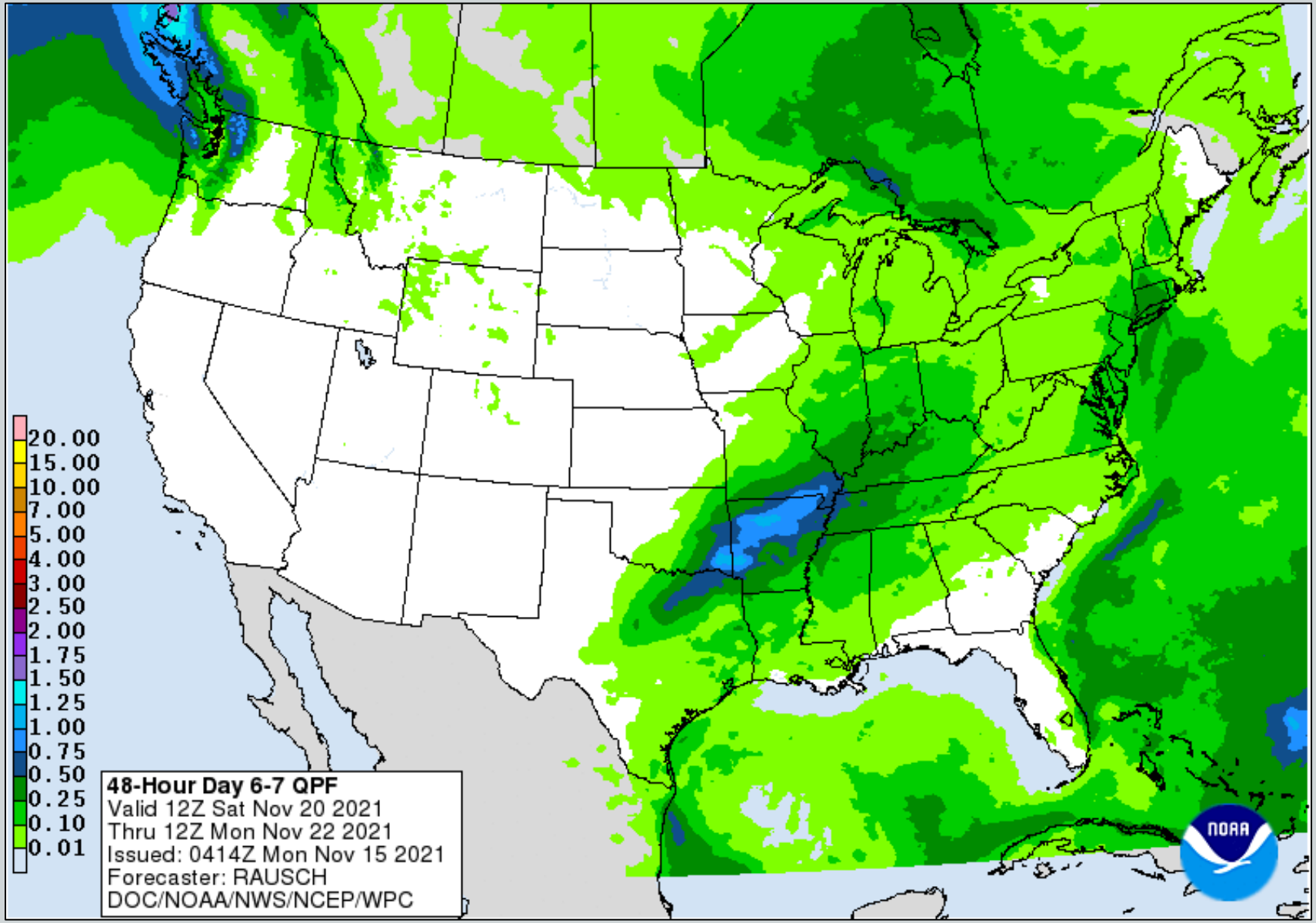
Days 1-3 Precip Forecast



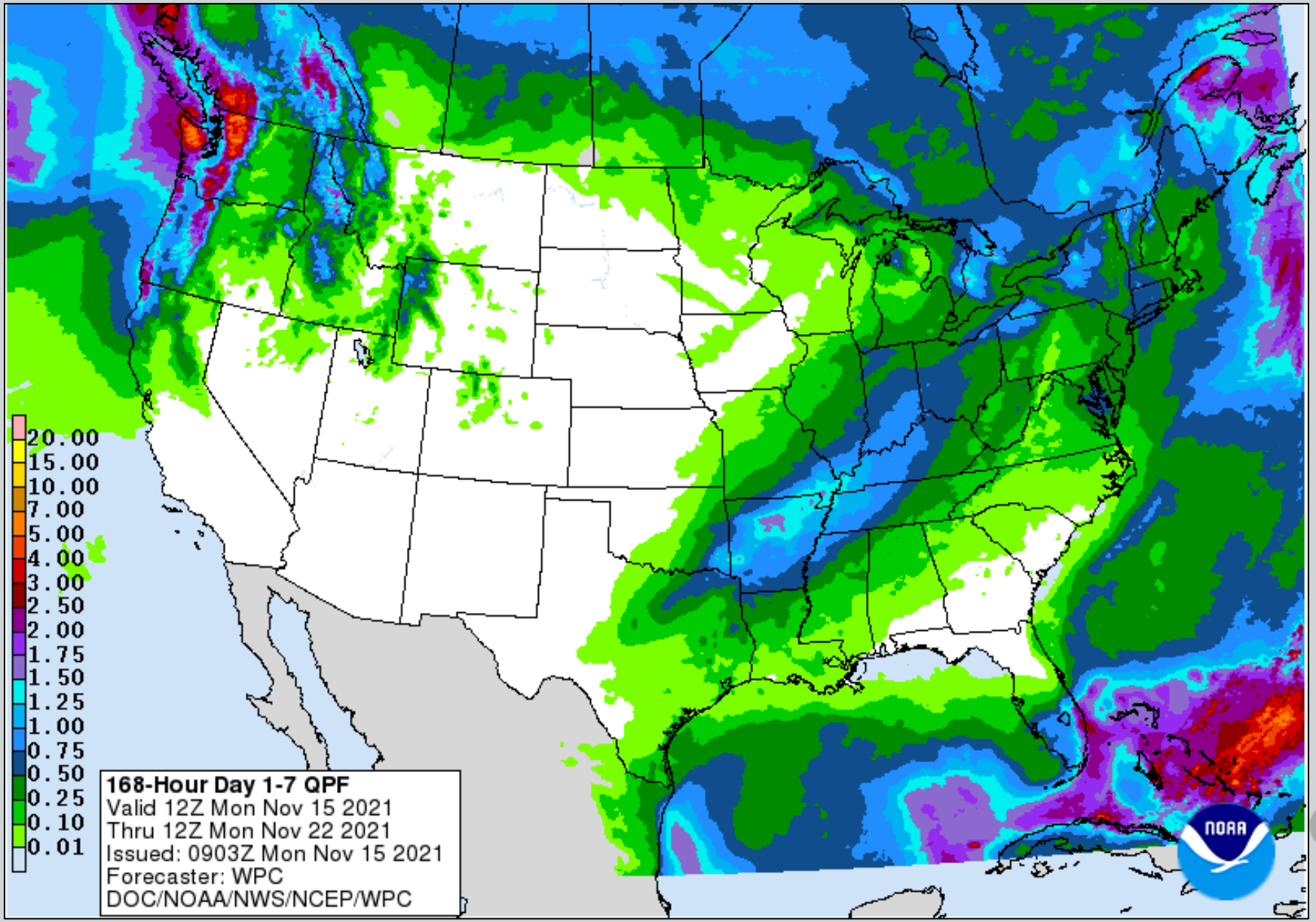
Days 4-5 Precip Forecast



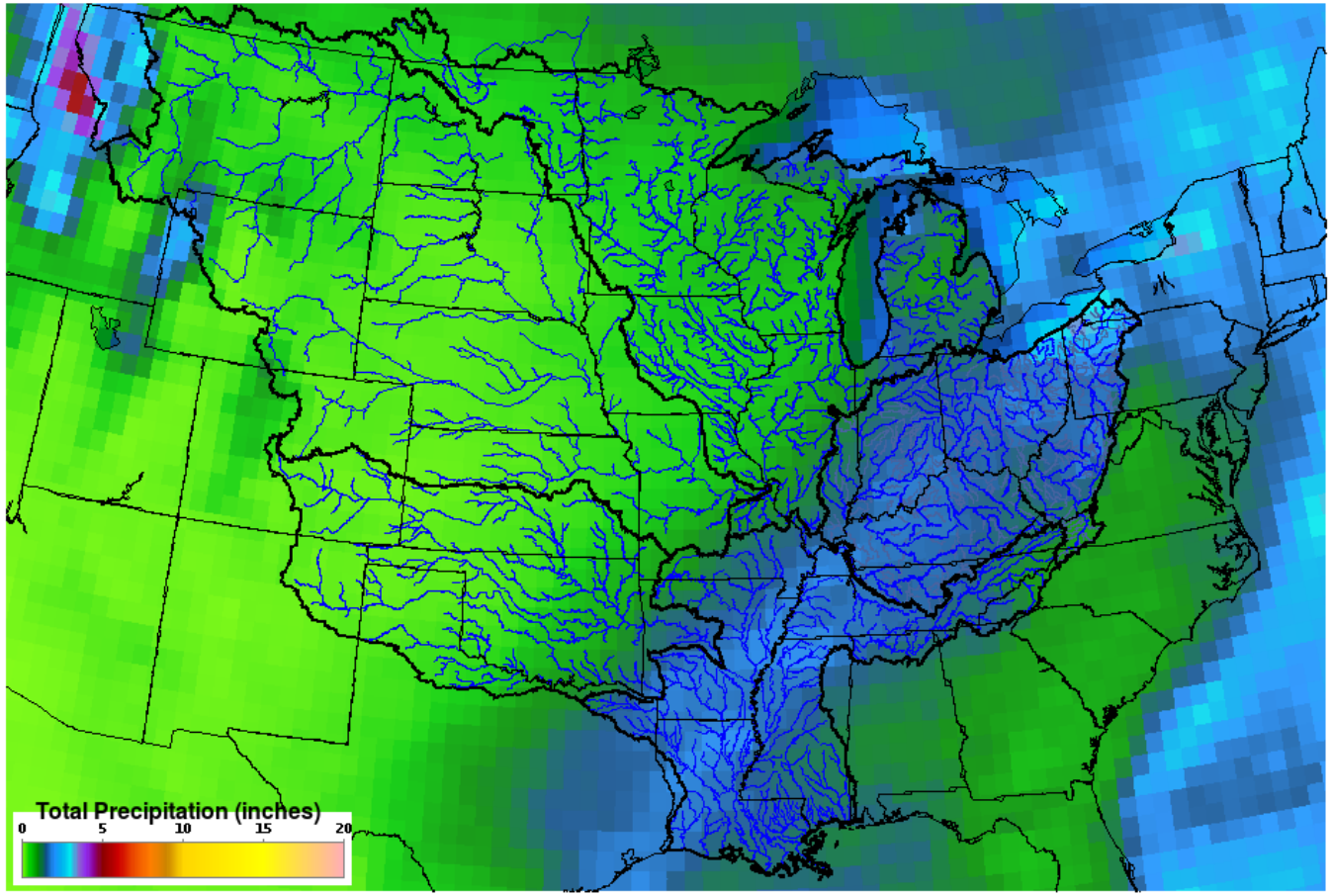
Days 6-7 Precip Forecast



7 Day Precip Forecast



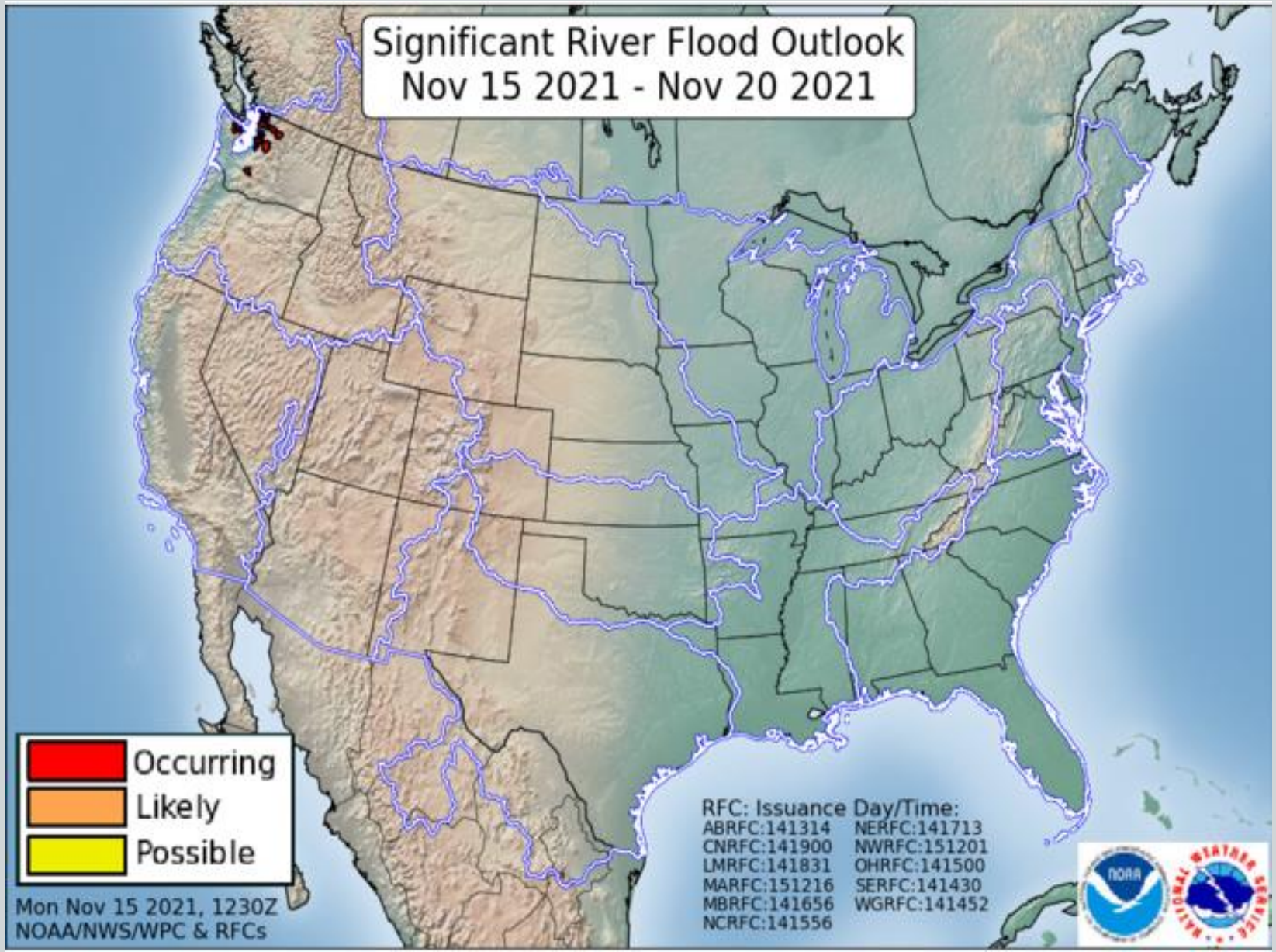
16-Day Ensemble Mean QPF



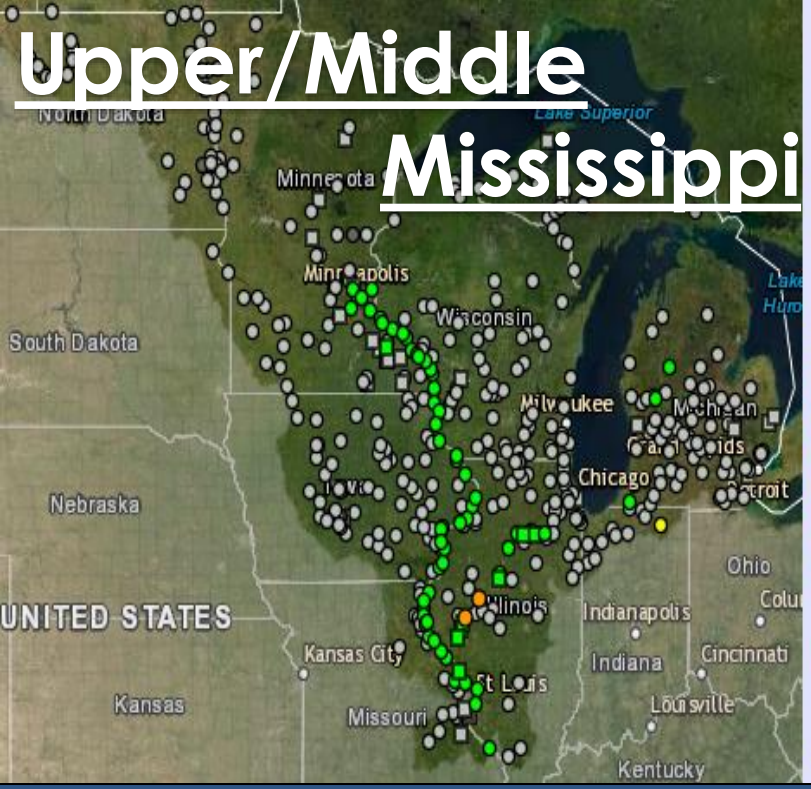
Hydrology

Mississippi River
Missouri River
Ohio River
Arkansas River

5 Day River Flood Outlook



Upper/Middle Mississippi



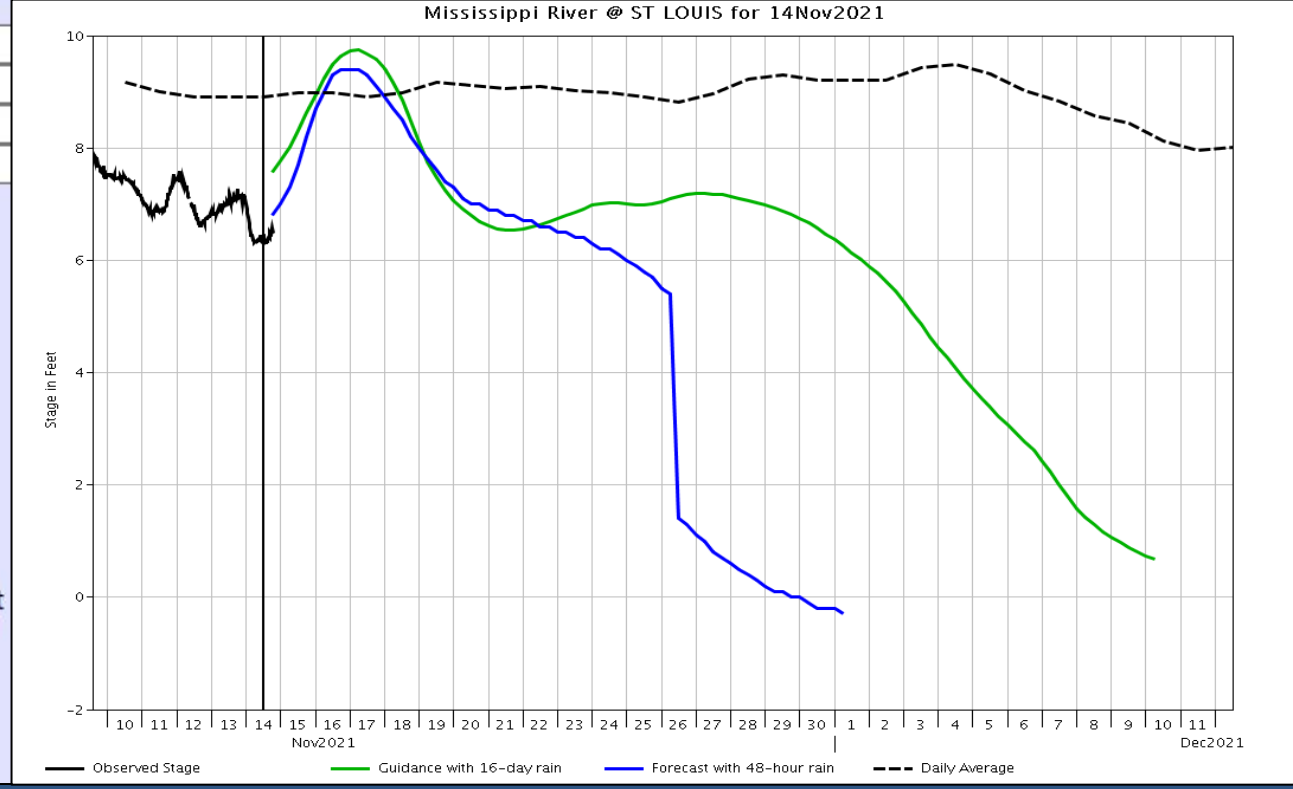
United States
NWS Weather Forecast Offices
North Central River Forecast Center
Water Resources Regions

Probability and forecasts available
Forecasts available

478 total gauges
Show all locations in flood (2)

- 0 Gauges: Major Flooding
- 0 Gauges: Moderate Flooding
- 2 Gauges: Minor Flooding
- 1 Gauges: Near Flood Stage
- 64 Gauges: No Flooding
- 0 Flood Category Not Defined
- 0 At or Below Low Water Threshold
- 409 Gauges: Forecasts Are Not Current
- 0 Gauges: No forecast within selected timeframe
- 2 Gauges: Out of Service

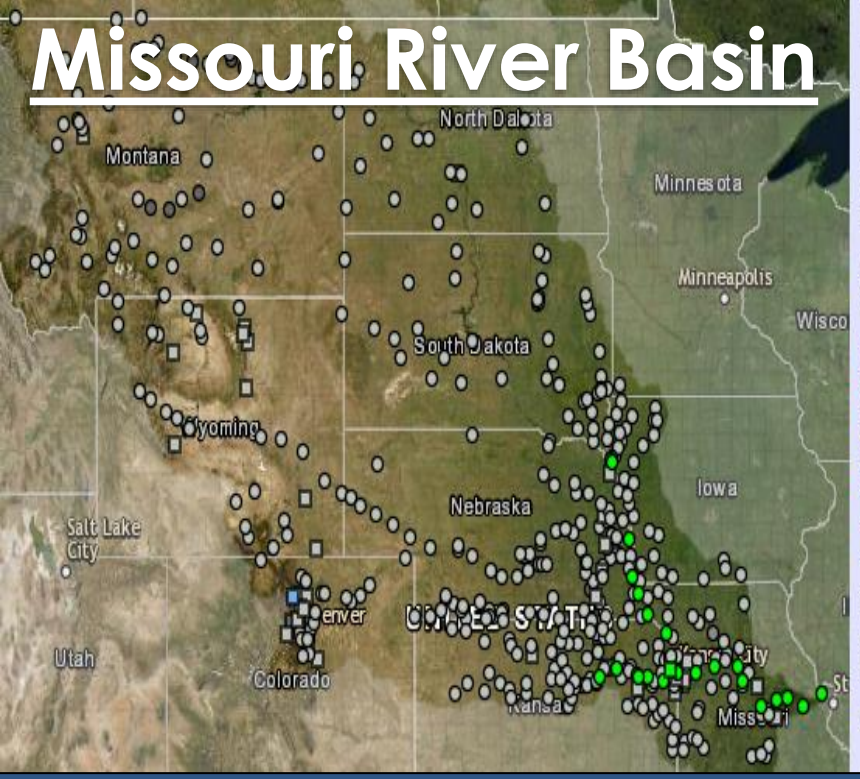
Show all locations



Gauge	Flood Stage	Current	5 Day Forecast	Potential Crest
St Paul	14.0’	3.6’	3.6’	-
Rock Island	15.0’	6.5’	6.5’	-
Valley City	14.0’	11.2’	8.1’	-
St Louis	30.0’	7.7’	6.3’	-
Chester	27.0’	9.2’	10.0’	-

- Minor flooding is occurring on the Illinois River from Havana to Beardstown.

Missouri River Basin



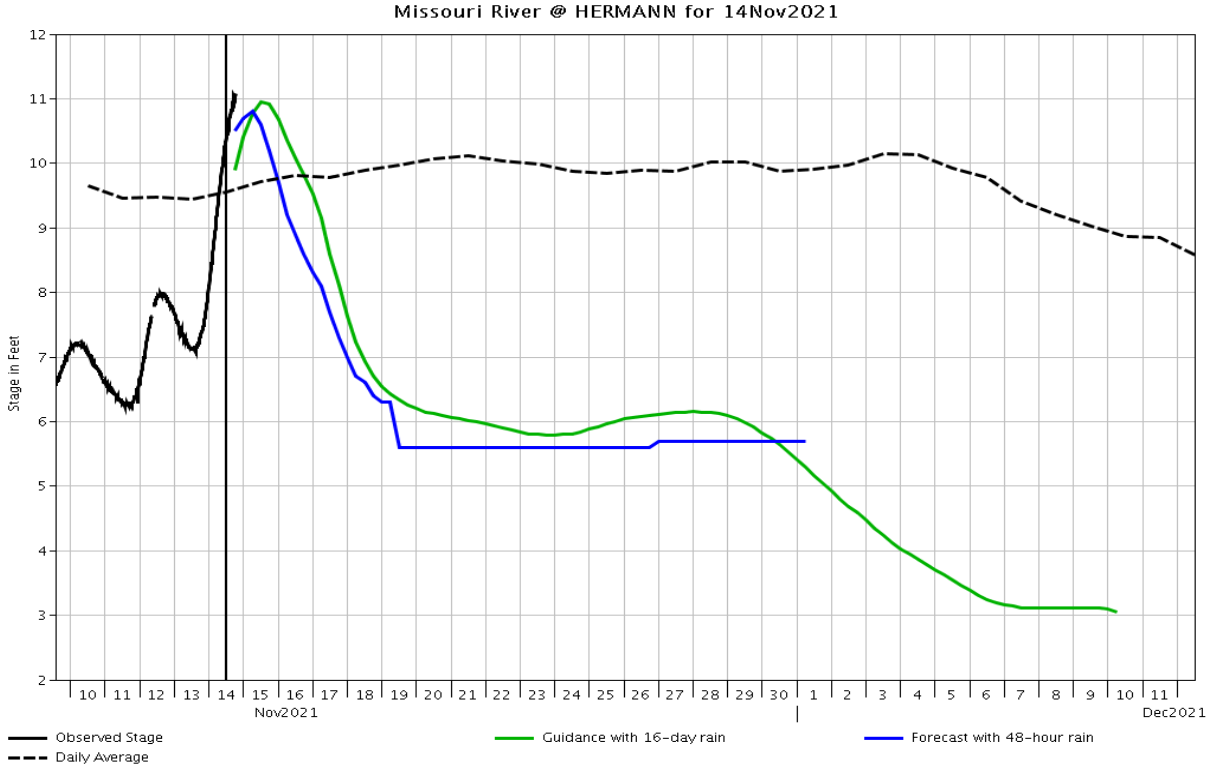
United States
NWS Weather Forecast Offices
Missouri Basin River Forecast Center
Water Resources Regions

Probability and forecasts available
Forecasts available

472 total gauges
Show all locations in flood (0)

- 0 Gauges: Major Flooding
- 0 Gauges: Moderate Flooding
- 0 Gauges: Minor Flooding
- 0 Gauges: Near Flood Stage
- 23 Gauges: No Flooding
- 1 Flood Category Not Defined
- 0 At or Below Low Water Threshold
- 439 Gauges: Forecasts Are Not Current
- 1 Gauges: No forecast within selected timeframe
- 8 Gauges: Out of Service

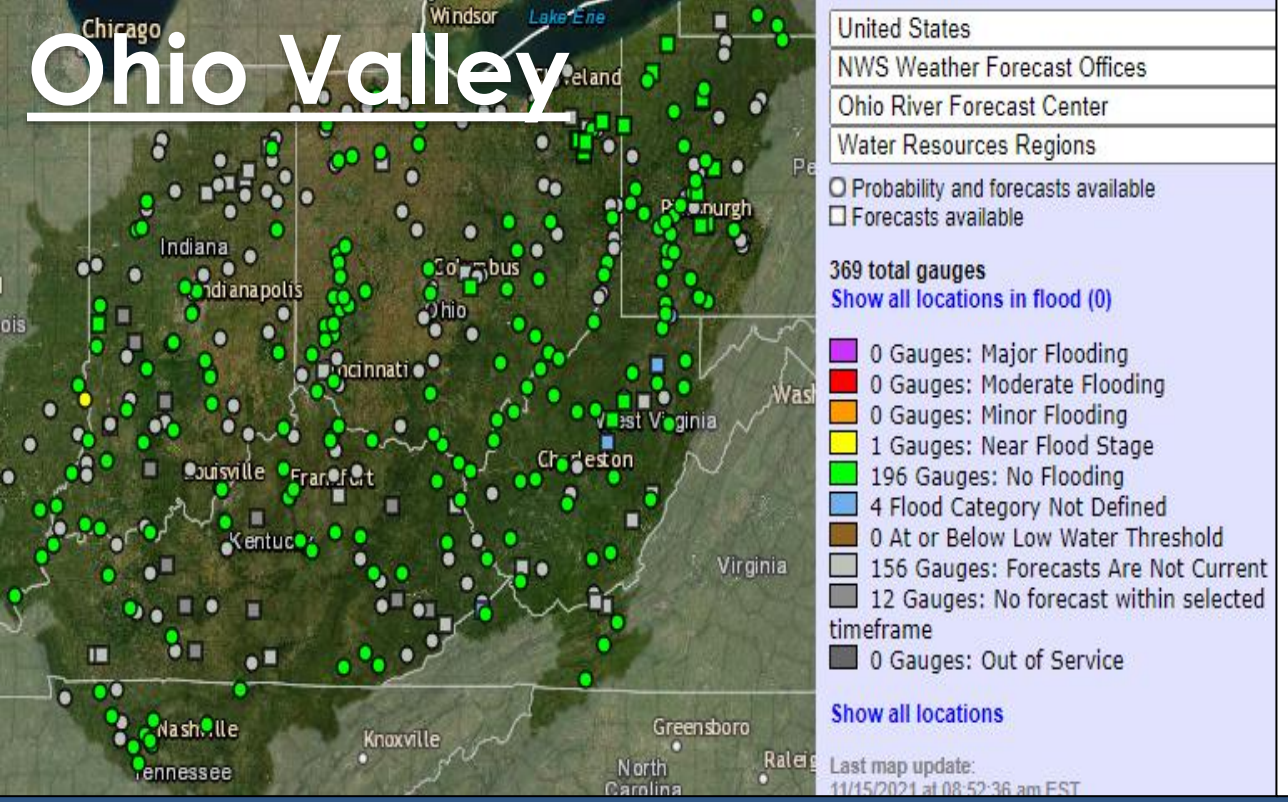
Show all locations

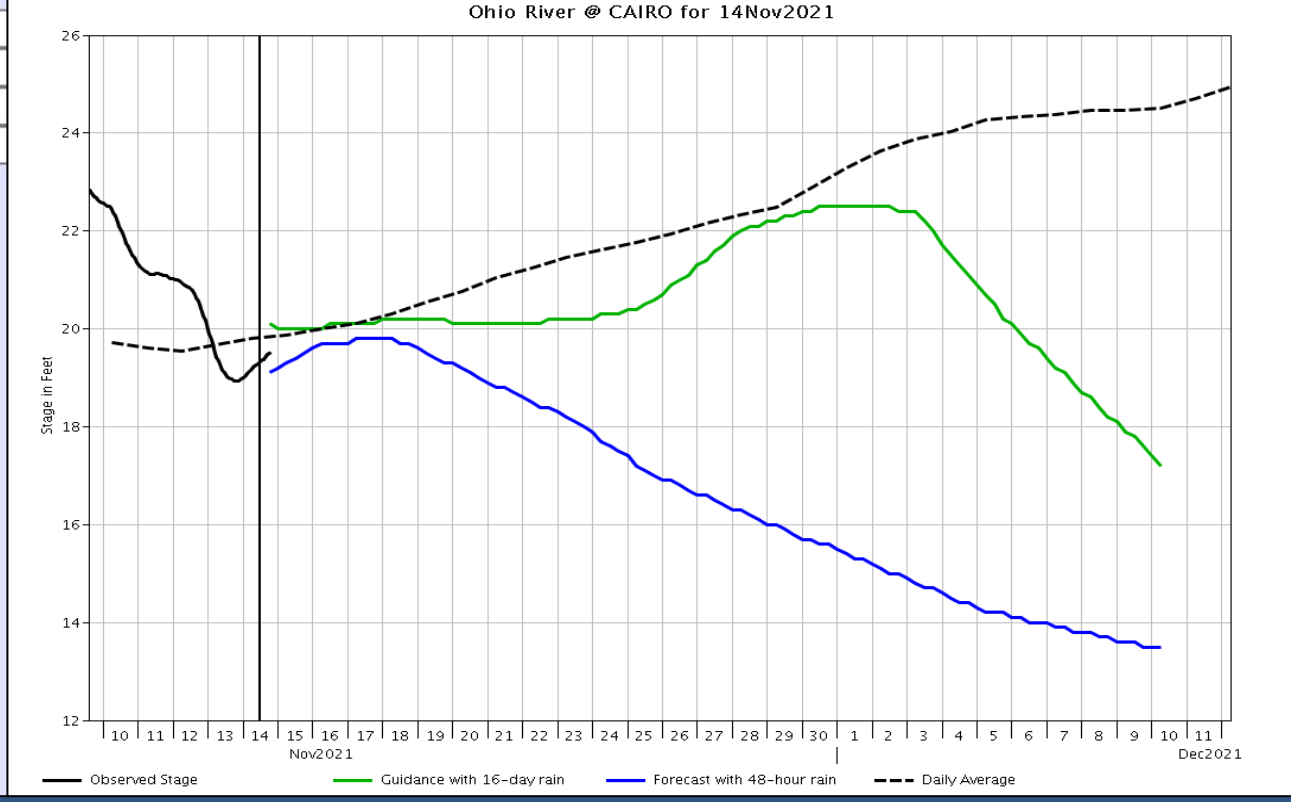


Gauge	Flood Stage	Current	5 Day Forecast	Potential Crest
Jefferson City	23.0’	10.6’	6.3’	-
Hermann	21.0’	11.1’	6.3’	-
St Charles	25.0’	15.2’	11.2’	-

- No flooding is occurring or forecast.

Ohio Valley

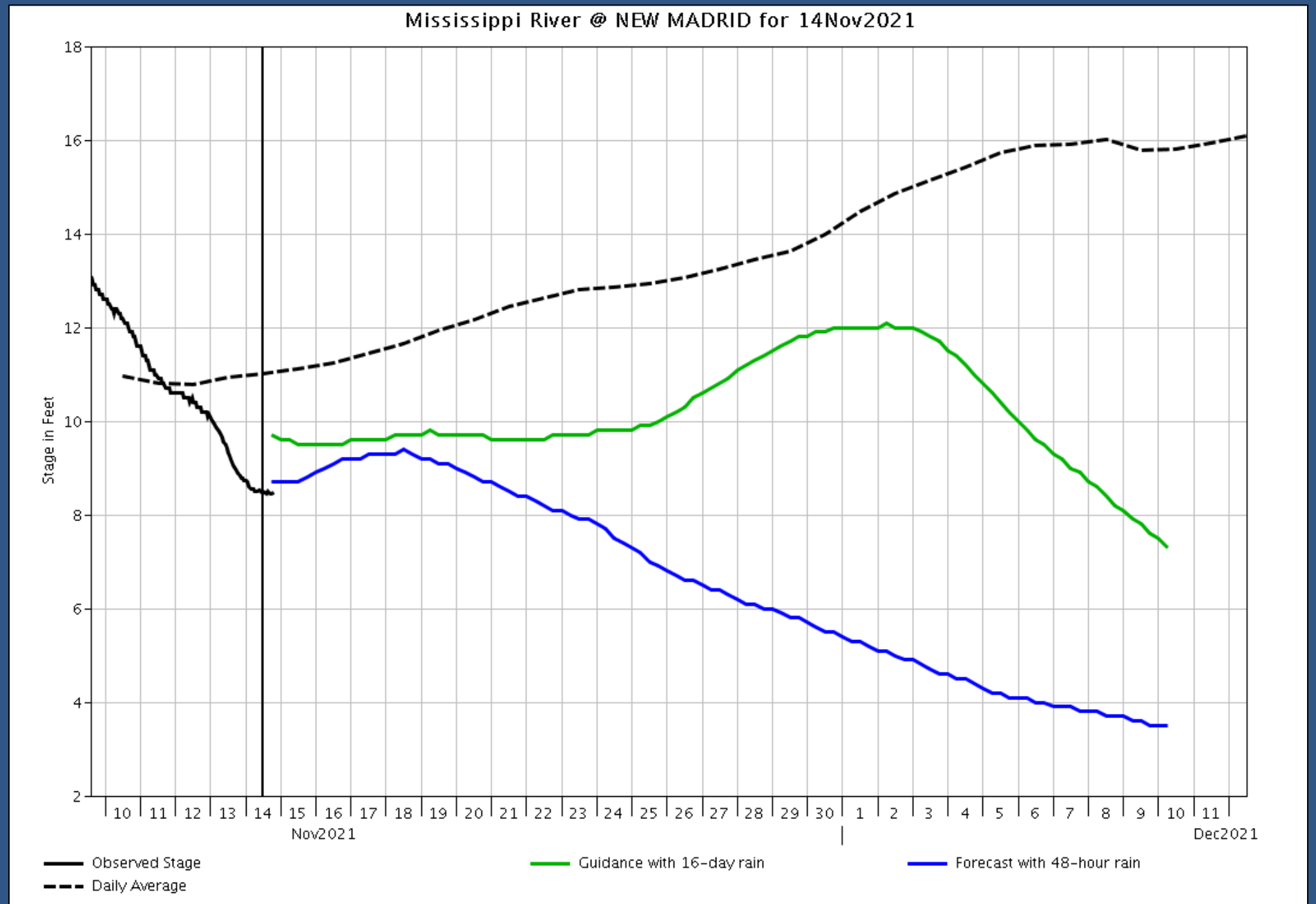




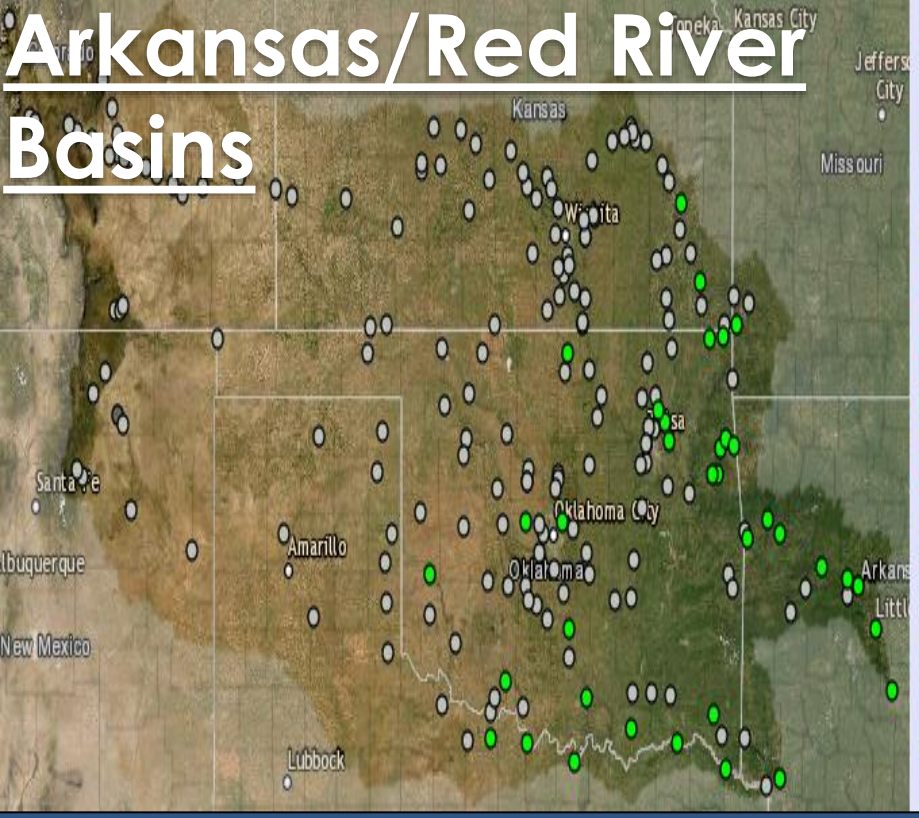
Gauge	Flood Stage	Current	5 Day Forecast	Potential Crest
Paducah	39.0’	14.9’	15.4’	-
Cairo	40.0’	19.6’	18.7’	-

- No flooding is occurring or forecast.

New Madrid


Mississippi River @ NEW MADRID for 14Nov2021
Stage in Feet
18
16
14
12
10
8
6
4
2
10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 1 2 3 4 5 6 7 8 9 10 11
Nov2021
Dec2021
Observed Stage
Daily Average
Guidance with 16-day rain
Forecast with 48-hour rain

Arkansas/Red River Basins



Arkansas Red-Basin River Forecast Center

Water Resources Regions

Probability and forecasts available

Forecasts available

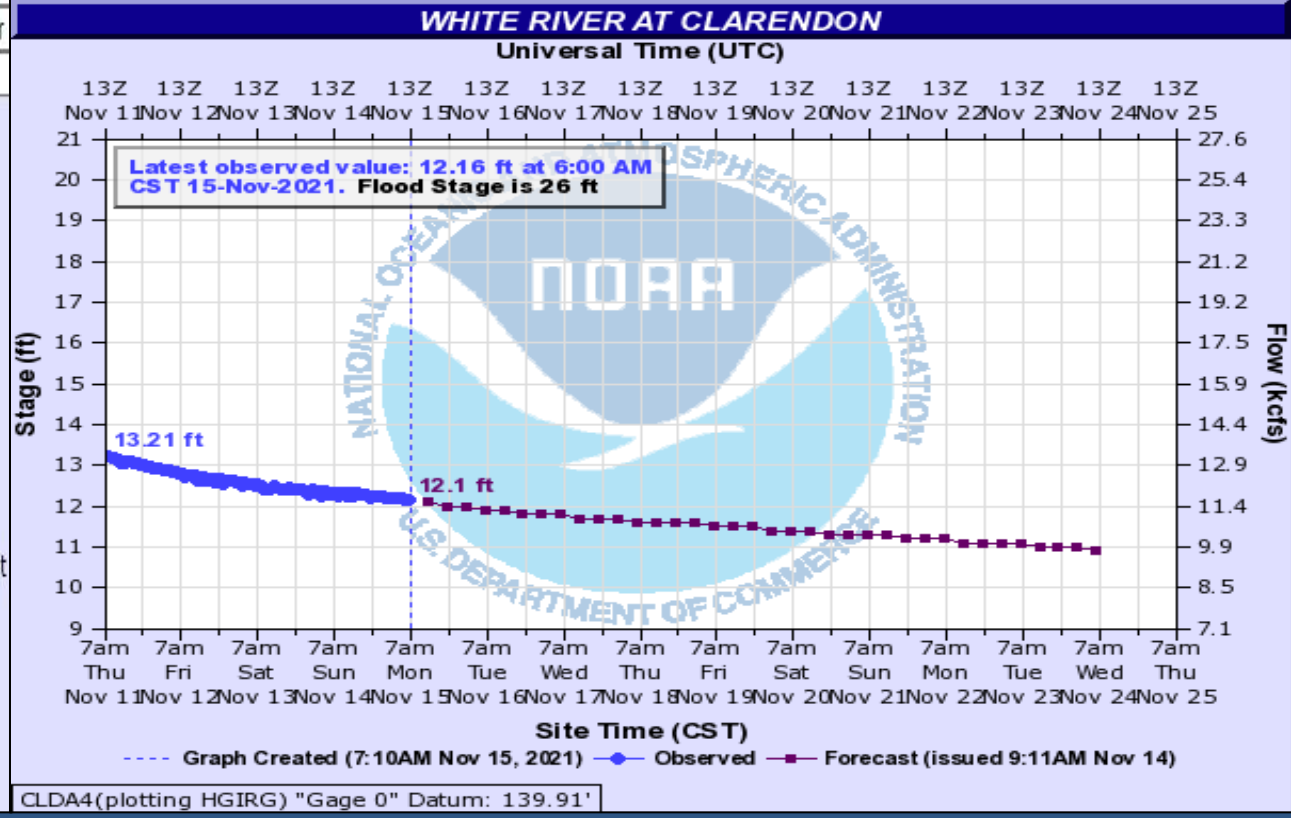
207 total gauges

Show all locations in flood (0)

- 0 Gauges: Major Flooding
- 0 Gauges: Moderate Flooding
- 0 Gauges: Minor Flooding
- 0 Gauges: Near Flood Stage
- 36 Gauges: No Flooding
- 0 Flood Category Not Defined
- 0 At or Below Low Water Threshold
- 170 Gauges: Forecasts Are Not Current
- 0 Gauges: No forecast within selected timeframe
- 1 Gauges: Out of Service

Show all locations

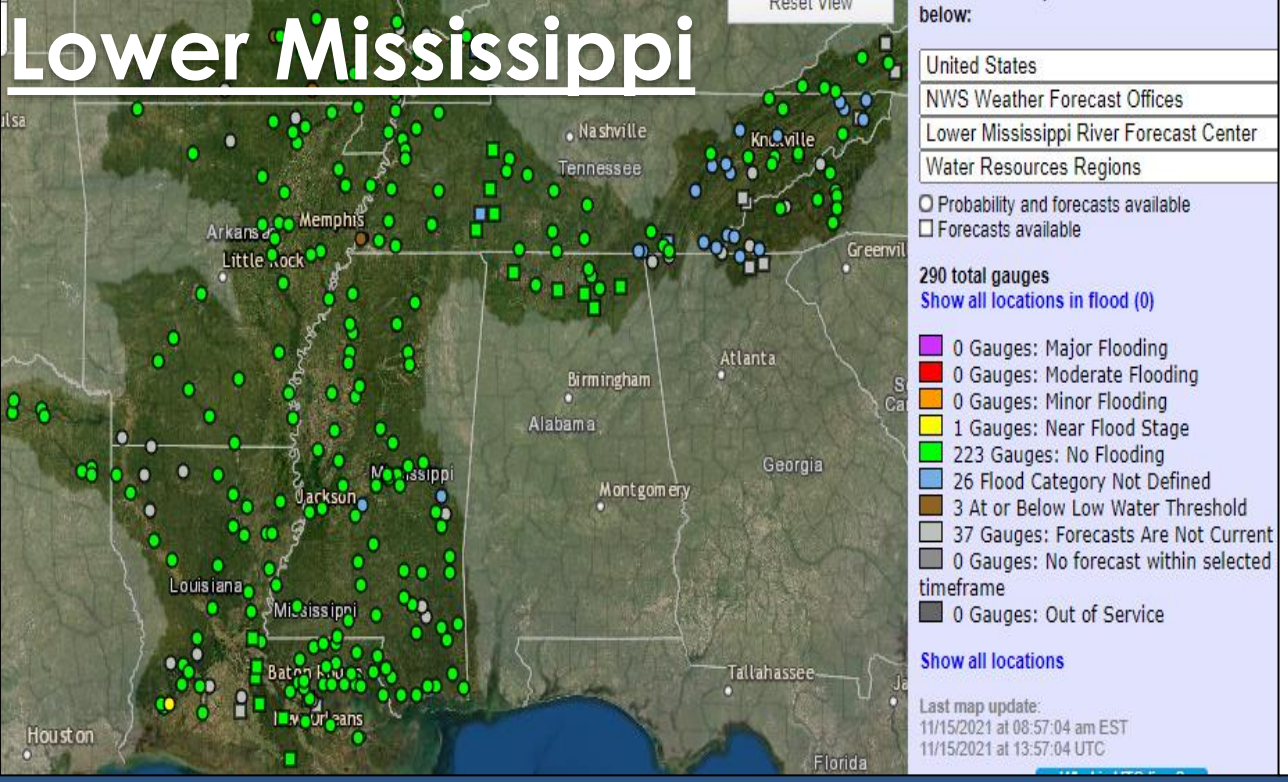
Last map update:

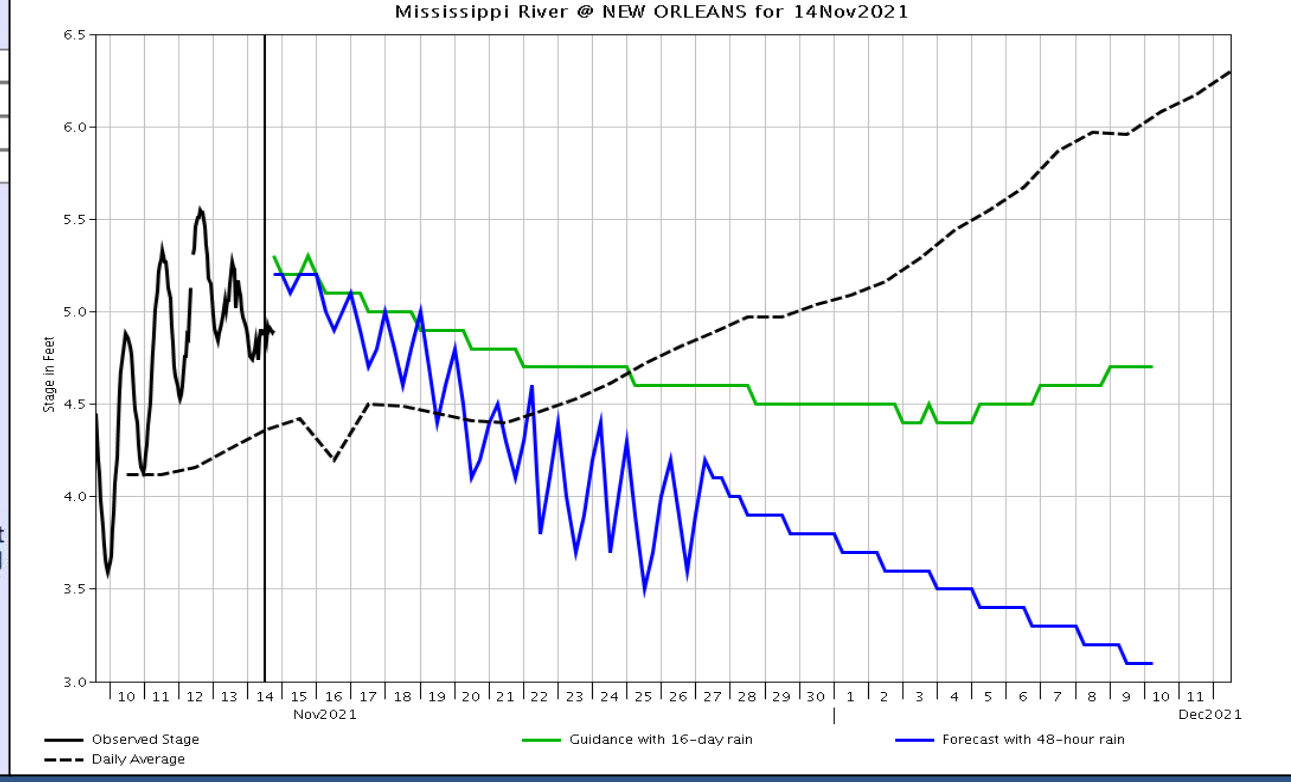


Gauge	Flood Stage	Current	5 Day Forecast	Potential Crest
Little Rock	23.0’	7.4’	7.4’	-
Clarendon	26.0’	12.2’	11.4’	-
Shreveport	30.0’	14.0’	13.8’	-

- No flooding is occurring or forecast.

Lower Mississippi

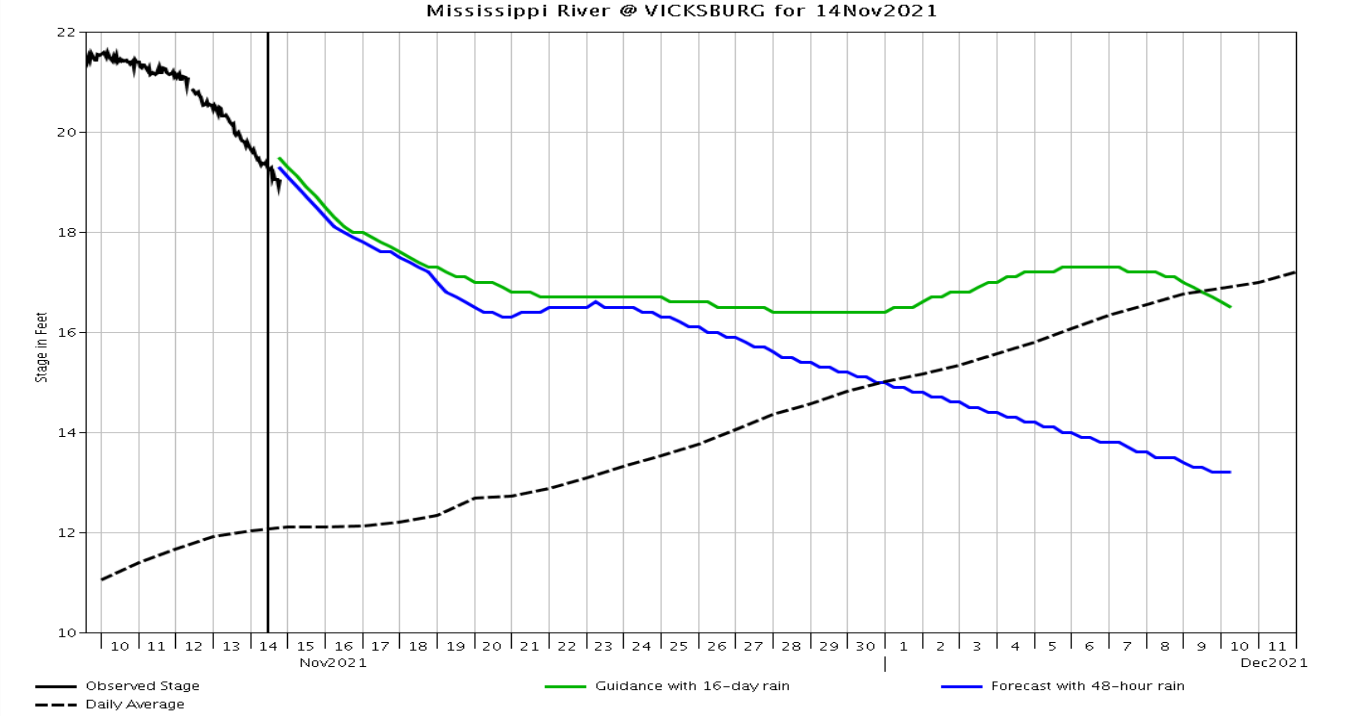




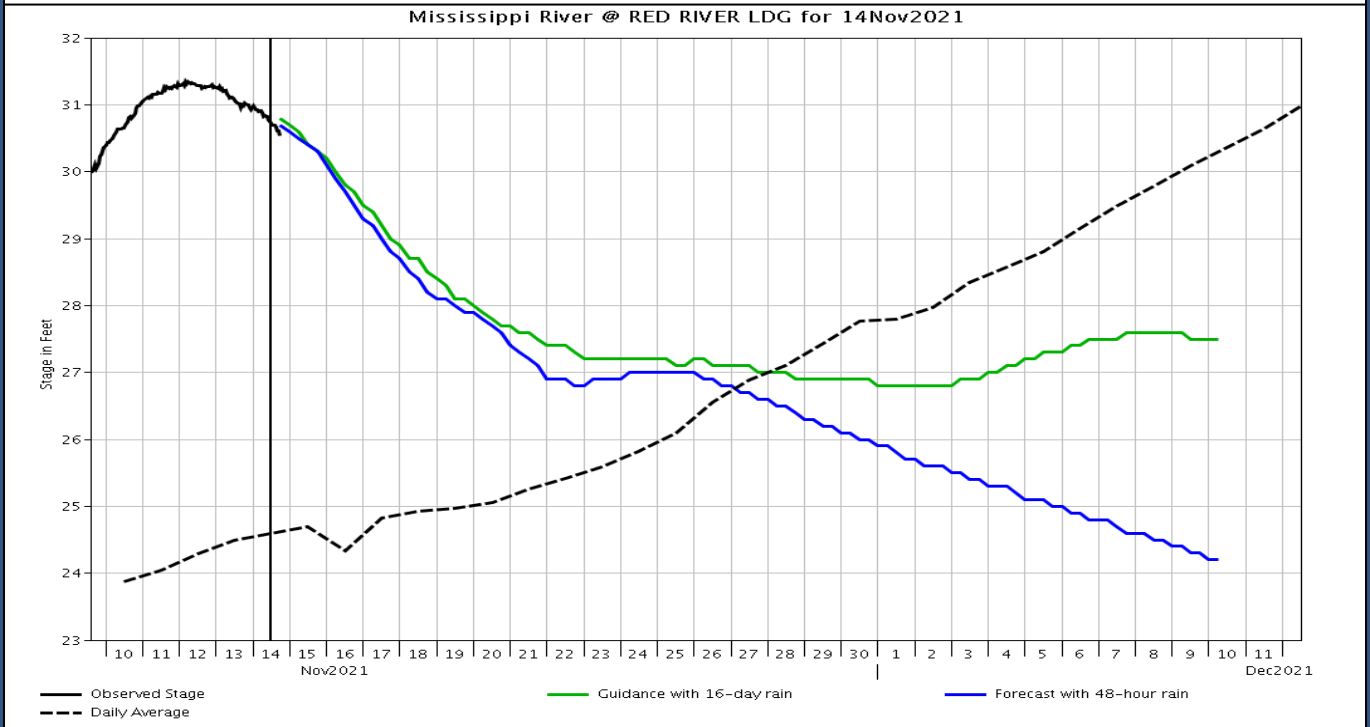
Gauge	Flood Stage	Current	5 Day Forecast	Potential Crest
Cairo	40.0’	19.6’	18.7’	-
Memphis	34.0’	3.6’	3.5’	-
Vicksburg	43.0’	18.5’	16.6’	-
Baton Rouge	35.0’	14.5’	11.9’	-
New Orleans	17.0’	4.5’	4.0’	-

- No flooding is occurring or forecast.

Vicksburg



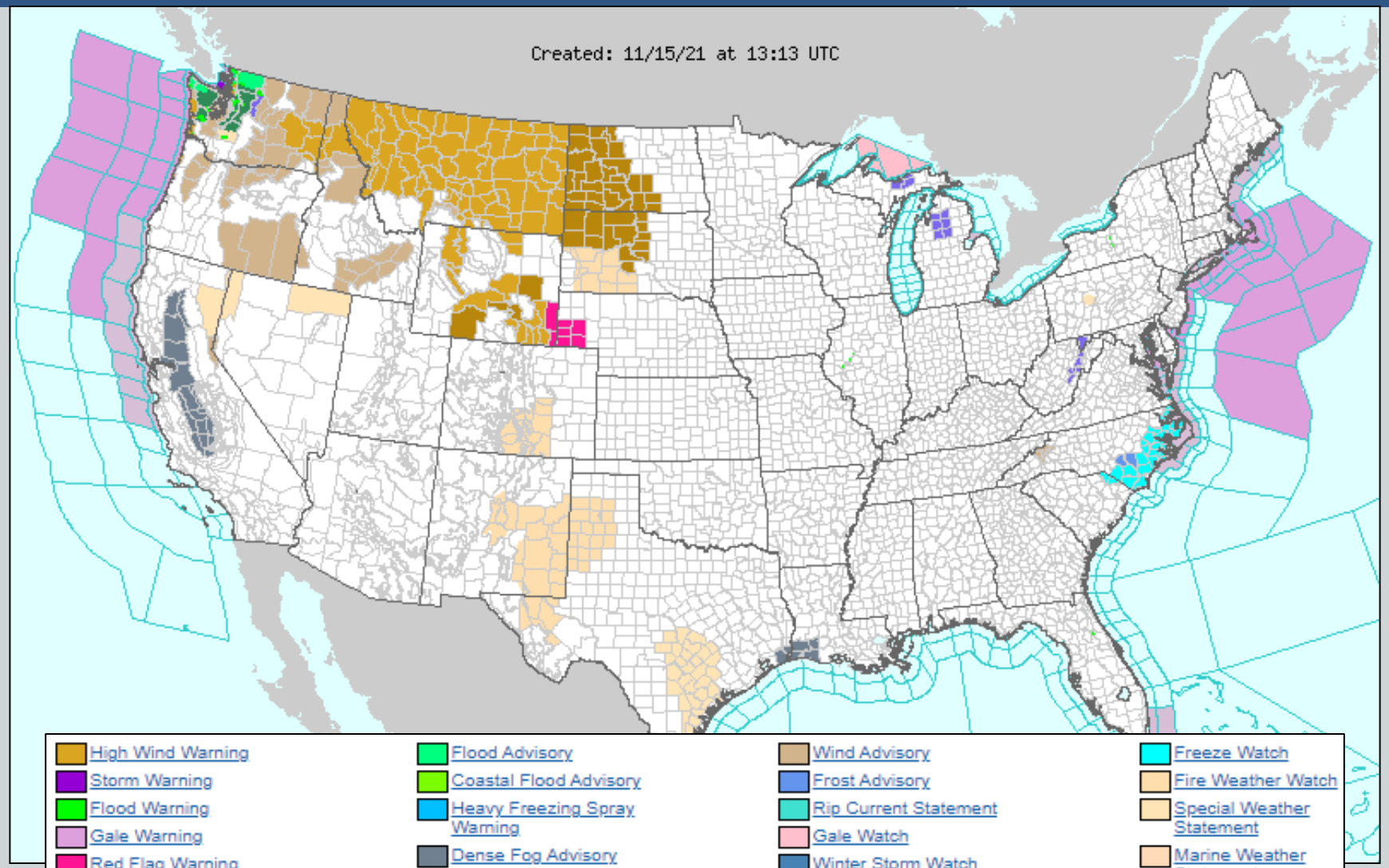
Red River Landing



Meteorology

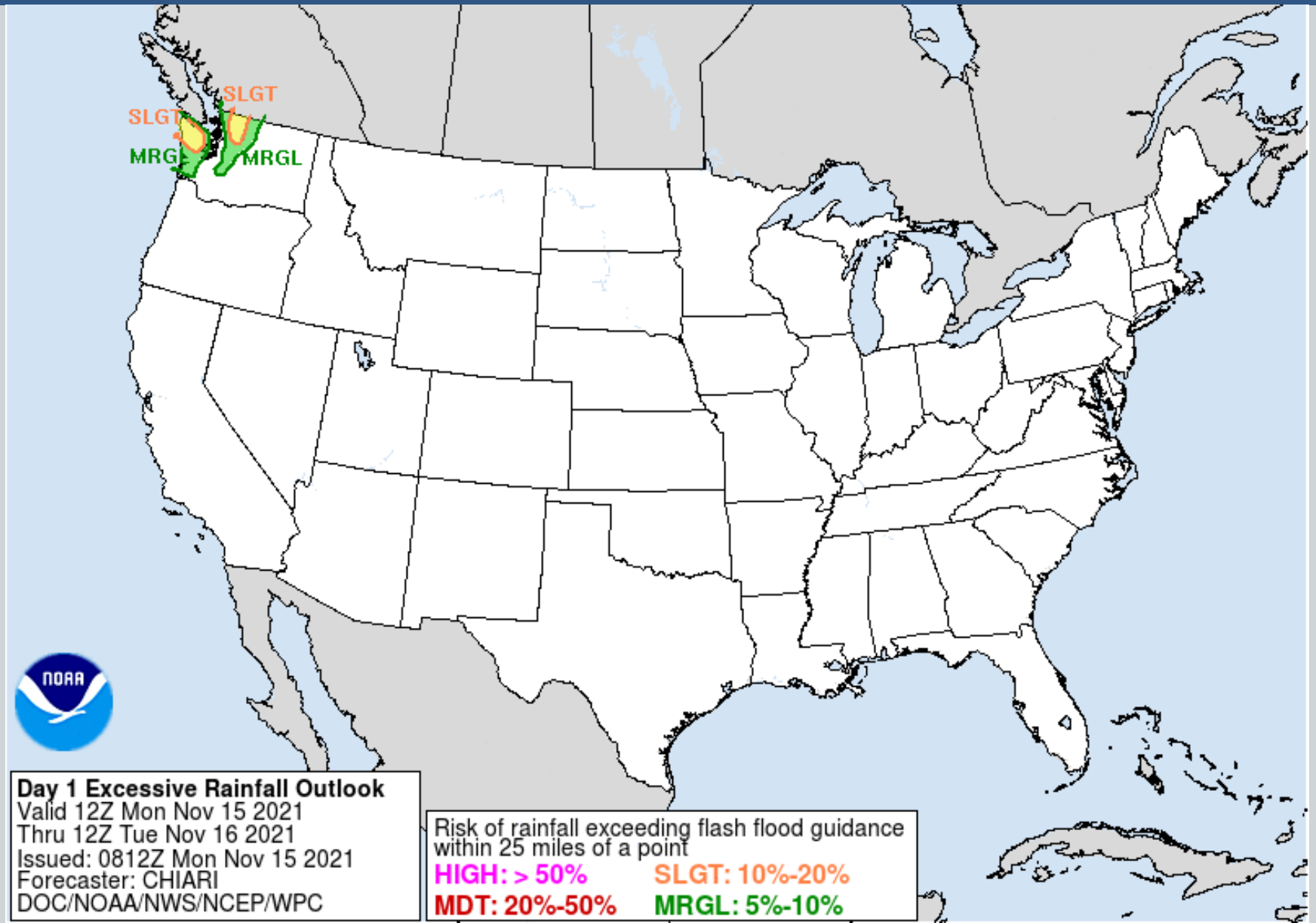
Weather over the next 3 days

Current Nationwide Watches & Warnings

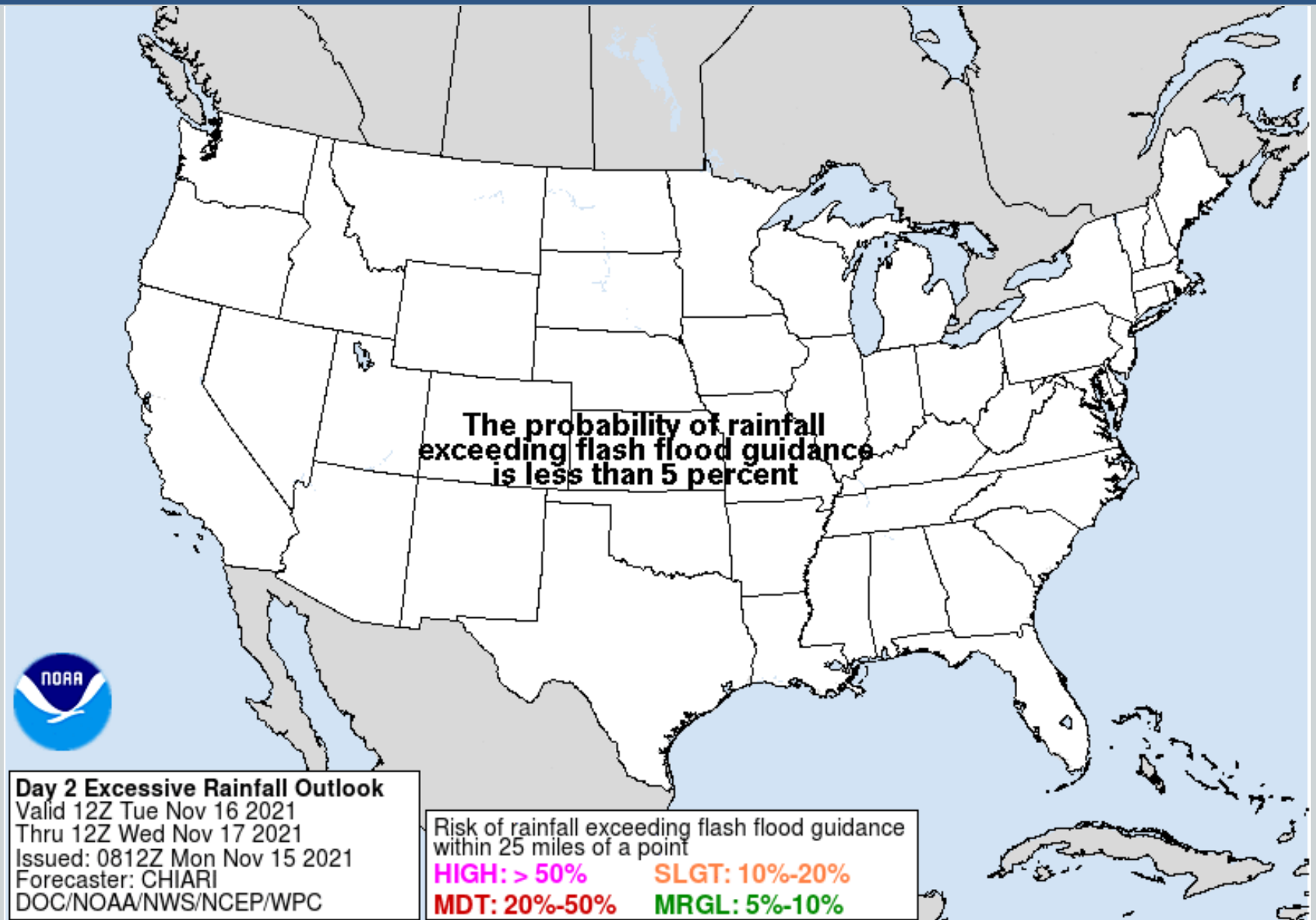


- High Wind Warning
- Storm Warning
- Flood Warning
- Gale Warning
- Red Flag Warning
- Winter Weather Advisory
- Wind Chill Advisory
- Flood Advisory
- Coastal Flood Advisory
- Heavy Freezing Spray Warning
- Dense Fog Advisory
- Small Craft Advisory
- Hazardous Seas Warning
- Lake Wind Advisory
- Wind Advisory
- Frost Advisory
- Rip Current Statement
- Gale Watch
- Winter Storm Watch
- Flood Watch
- High Wind Watch
- Freeze Watch
- Fire Weather Watch
- Special Weather Statement
- Marine Weather Statement

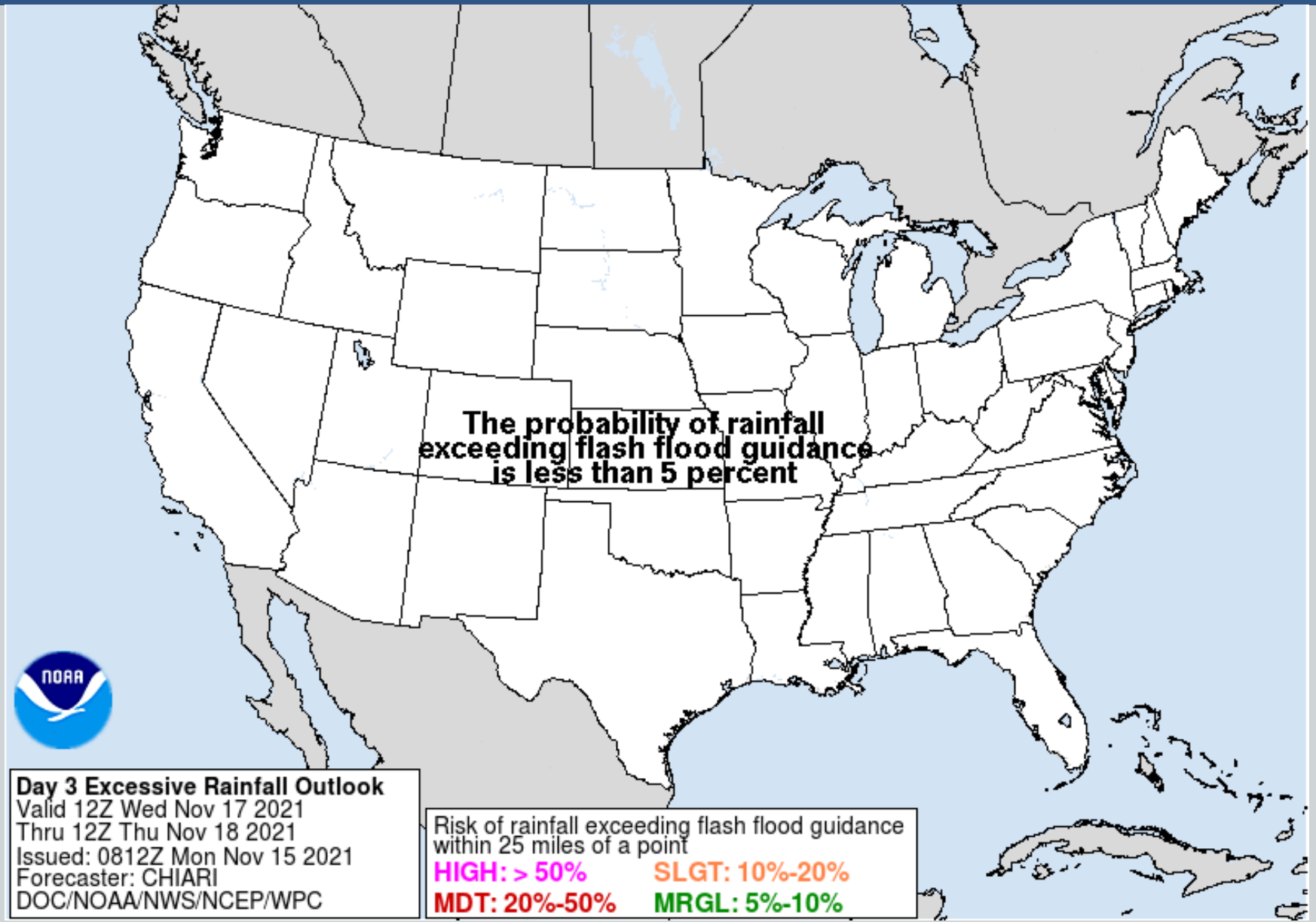
Day 1 Excessive Rainfall Outlook



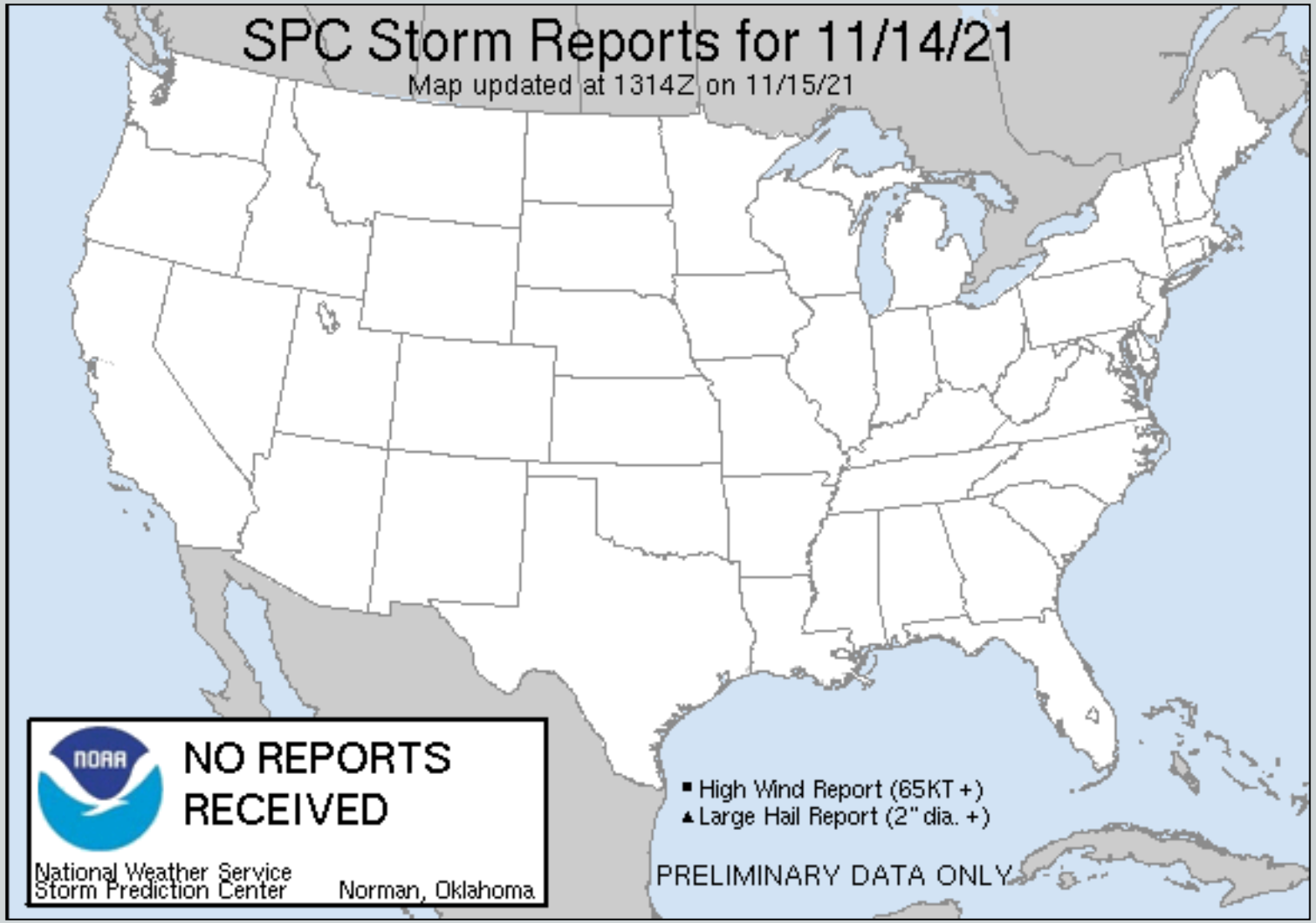
Day 2 Excessive Rainfall Outlook



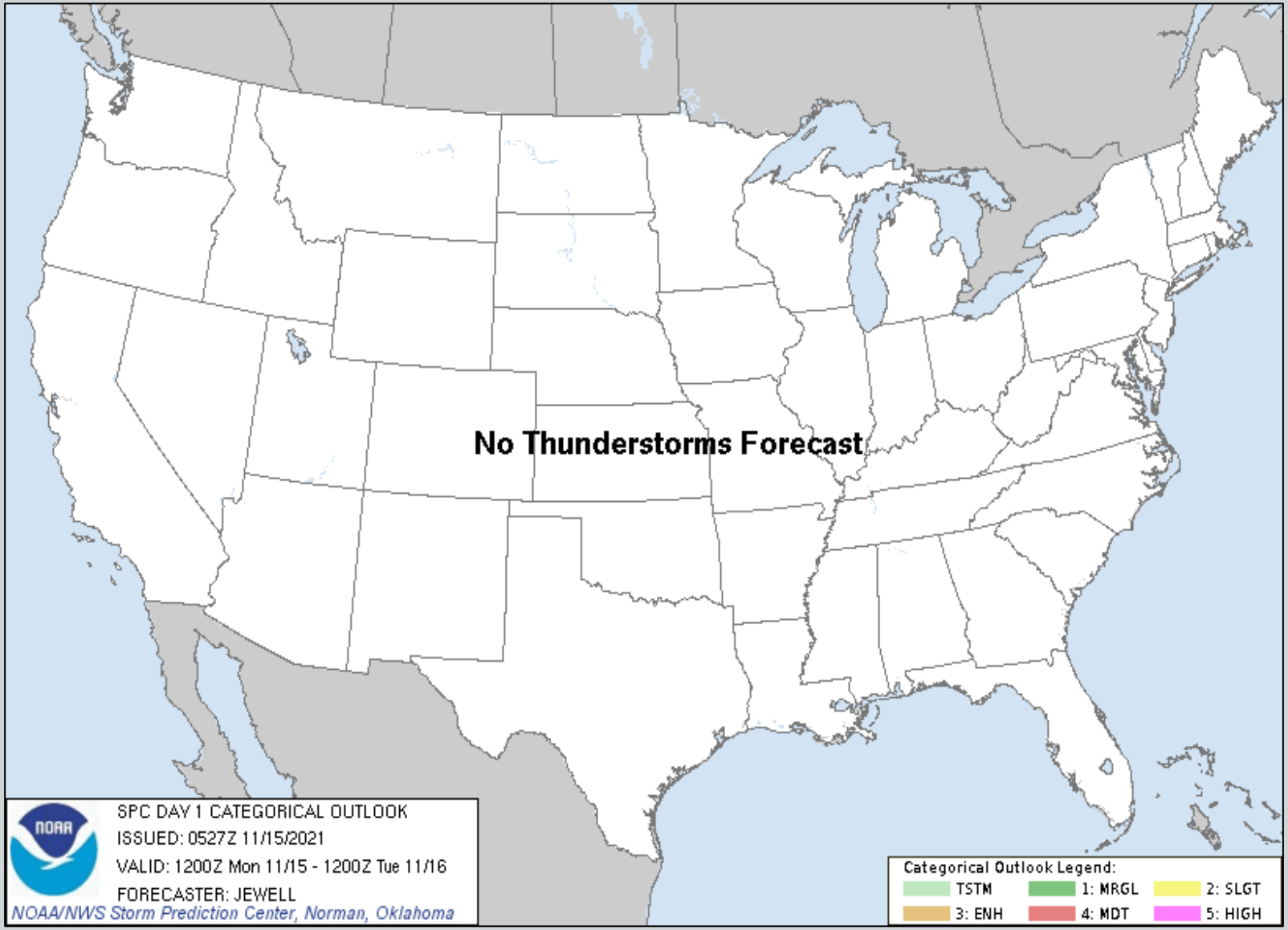
Day 3 Excessive Rainfall Outlook



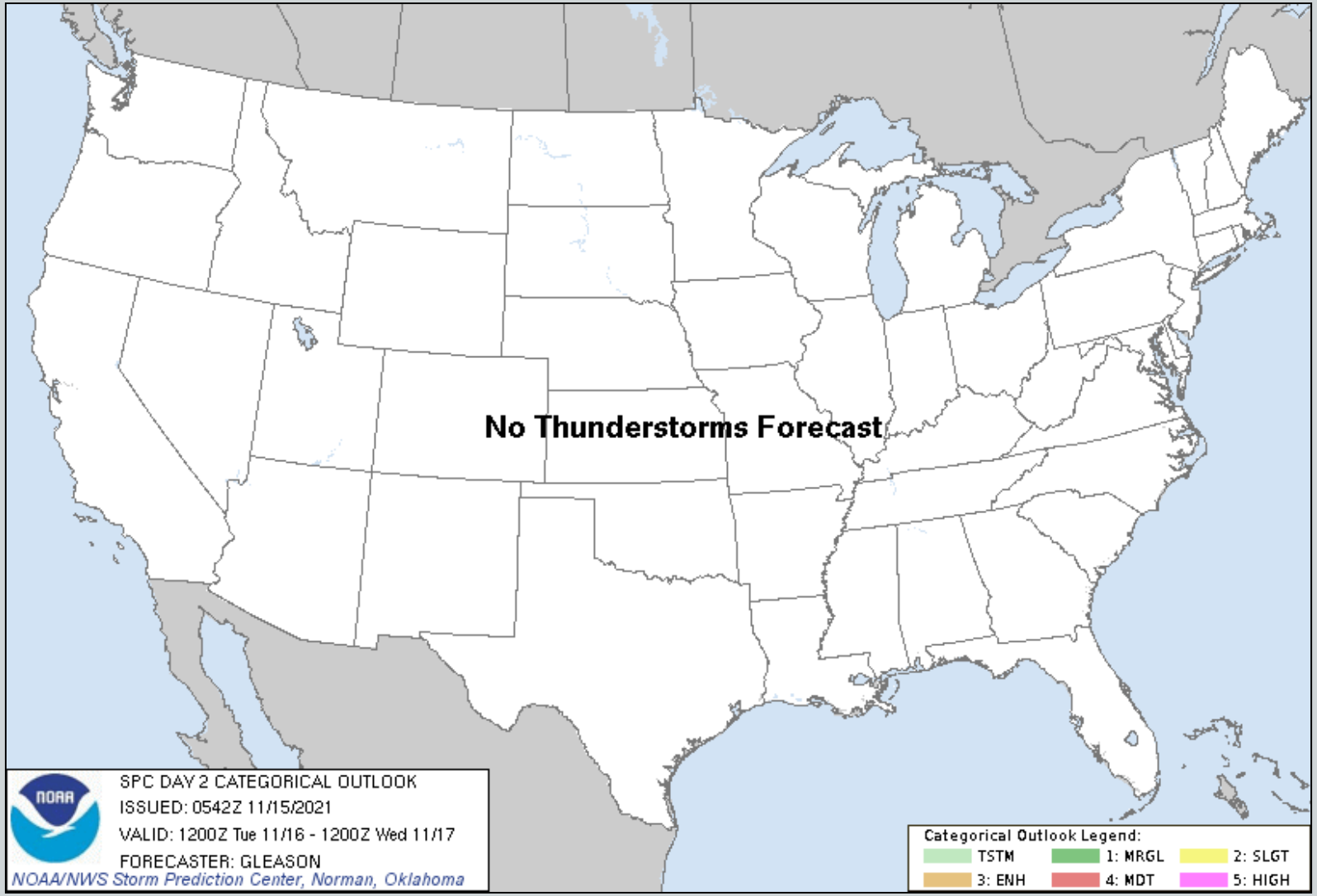
Yesterday's Severe Weather Reports



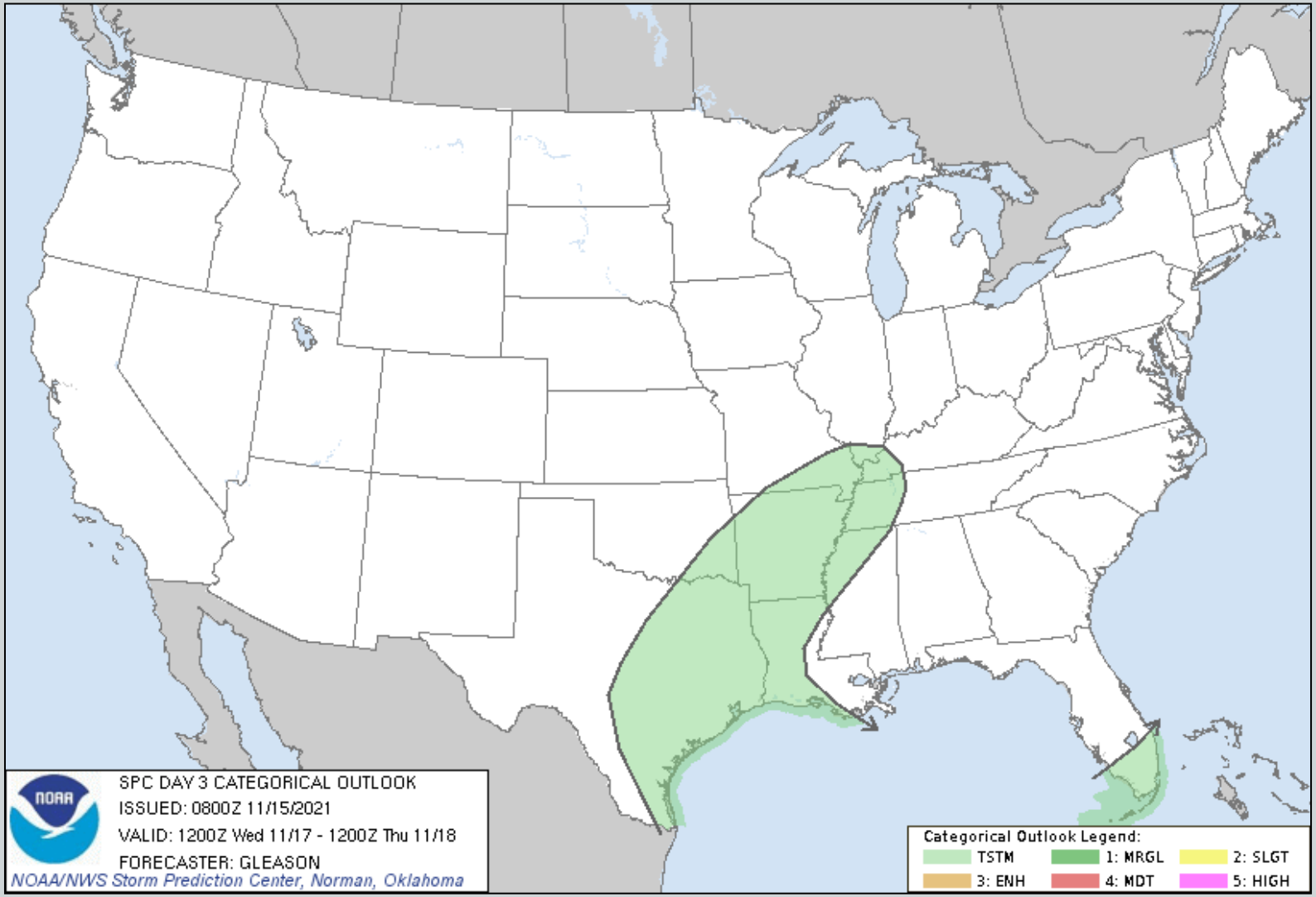
Today's Severe Weather Outlook



Tomorrow's Severe Weather Outlook



Day 3 Severe Weather Outlook



Tropics

Five-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida

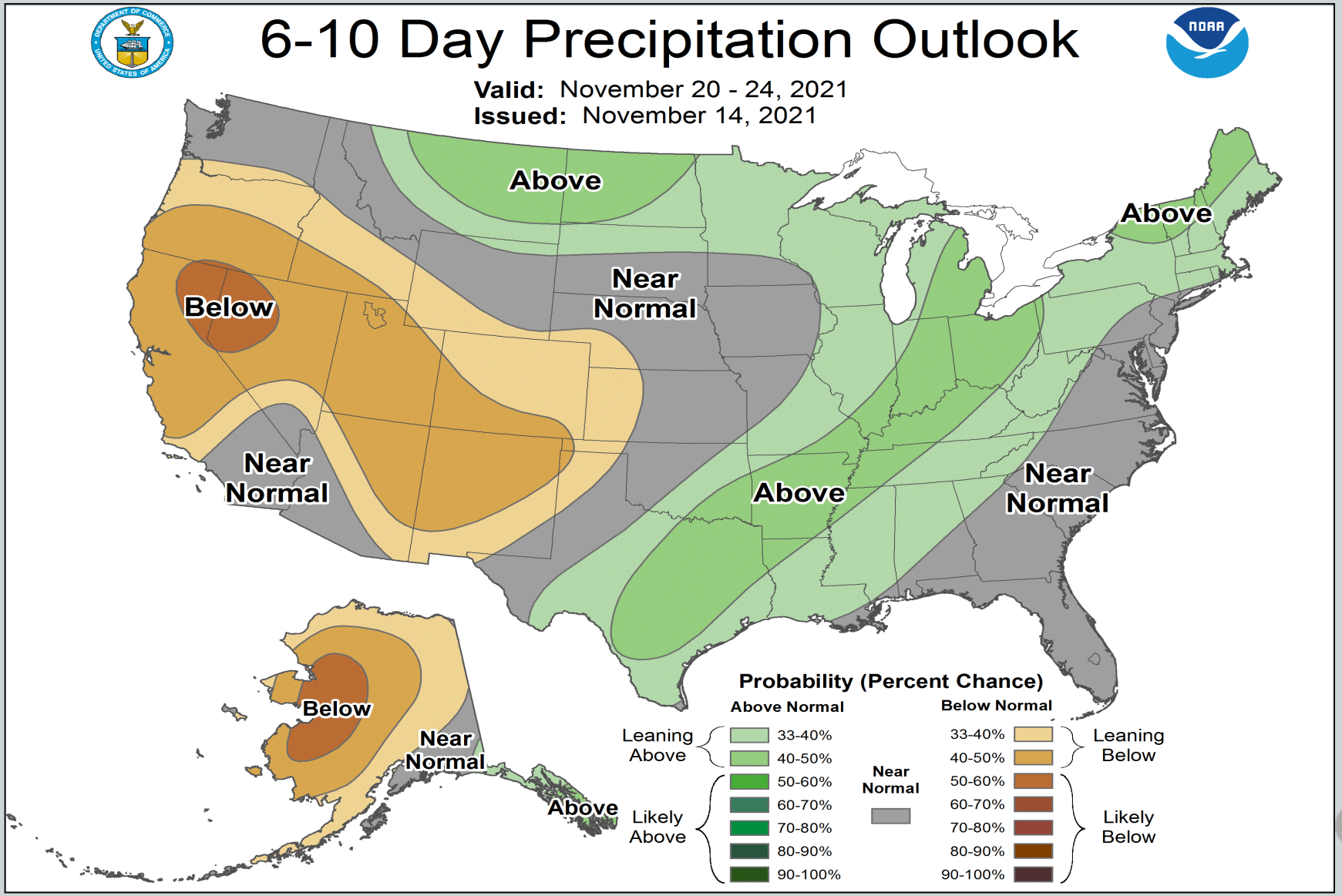
Current Disturbances and Five-Day Cyclone Formation Chance: < 40% 40-60% > 60%

Tropical or Sub-Tropical Cyclone: Depression Storm Hurricane

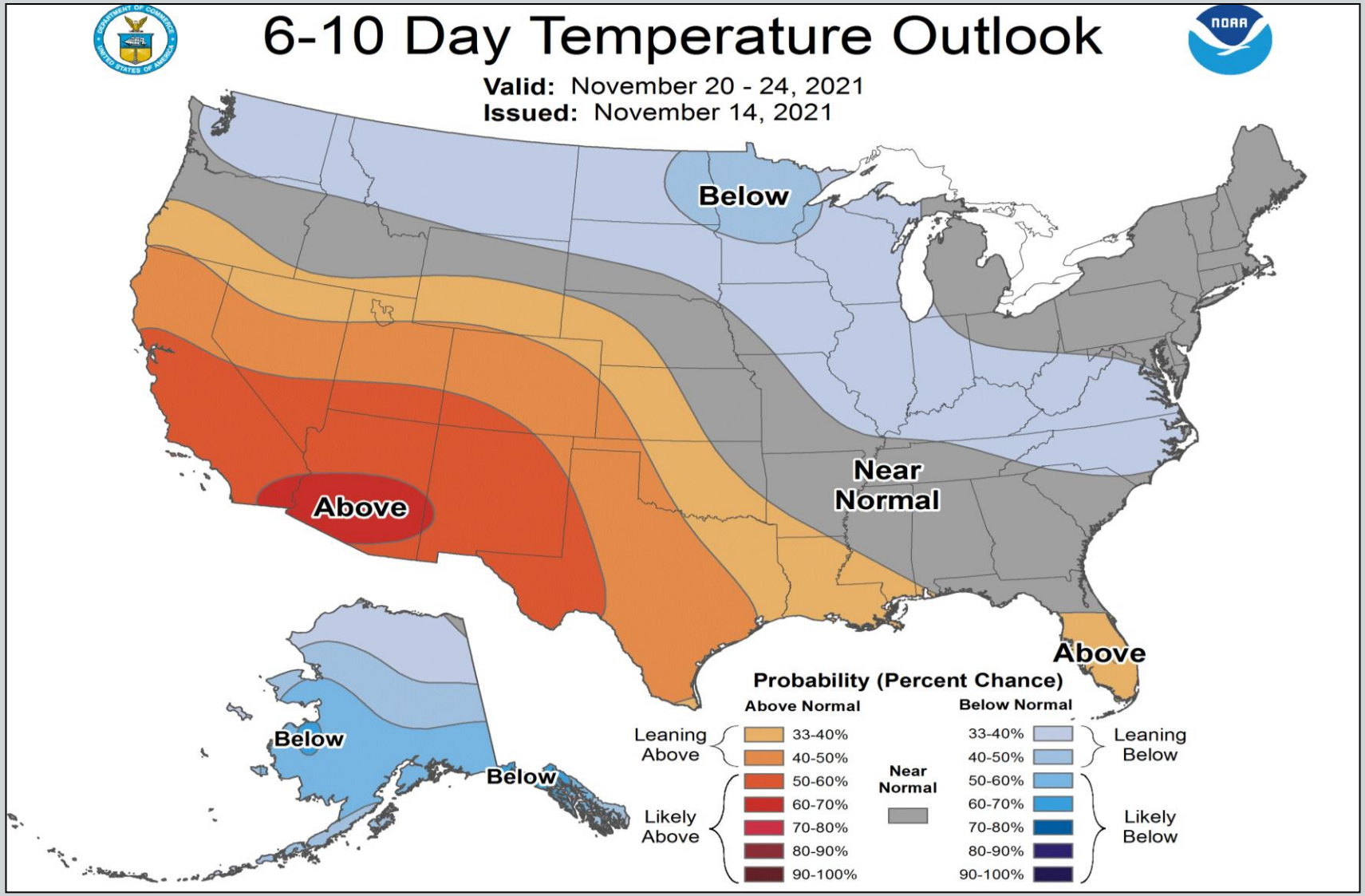
Post-Tropical Cyclone or Remnants

Long Range Outlook

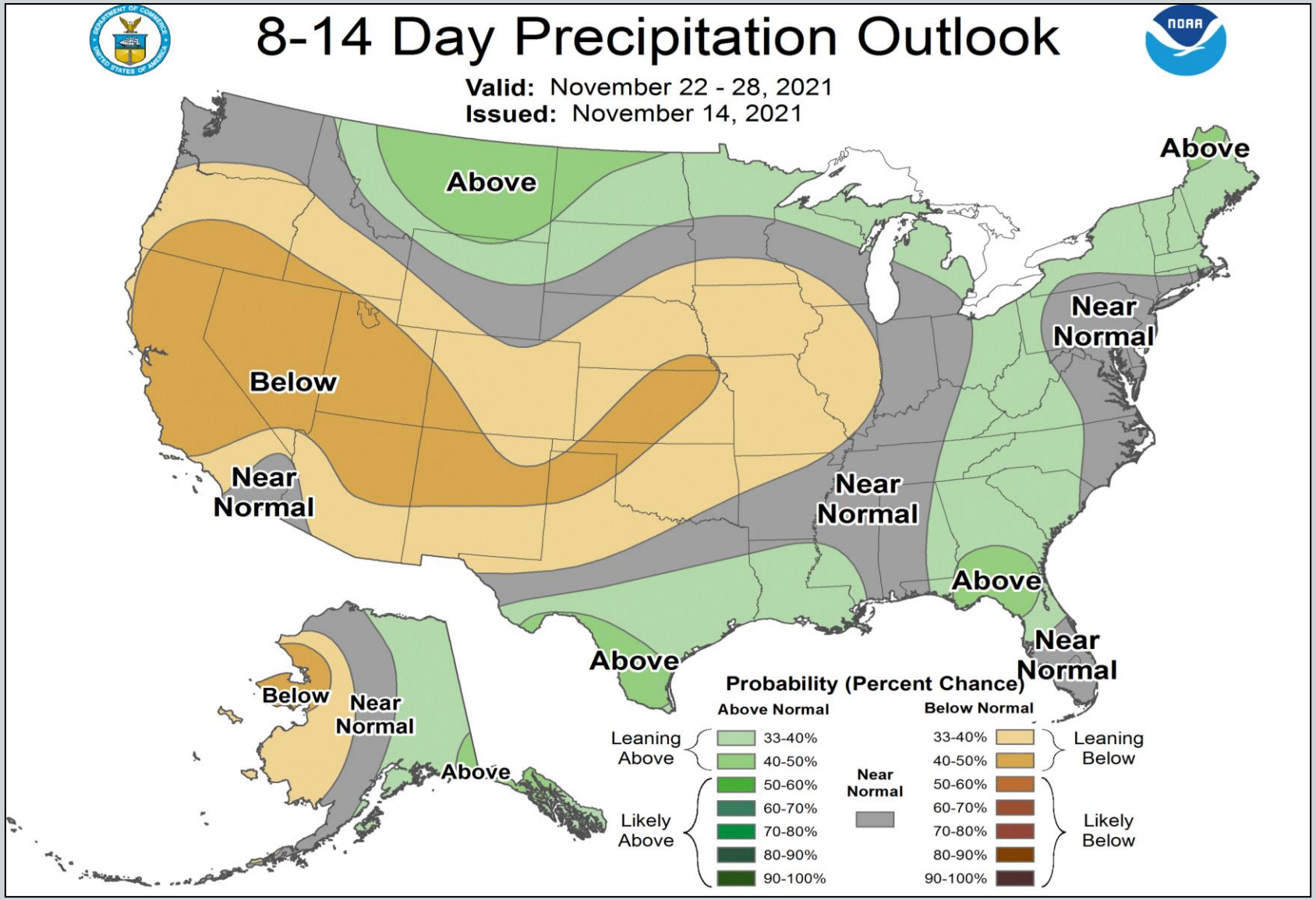
6-10 Day Precip Outlook



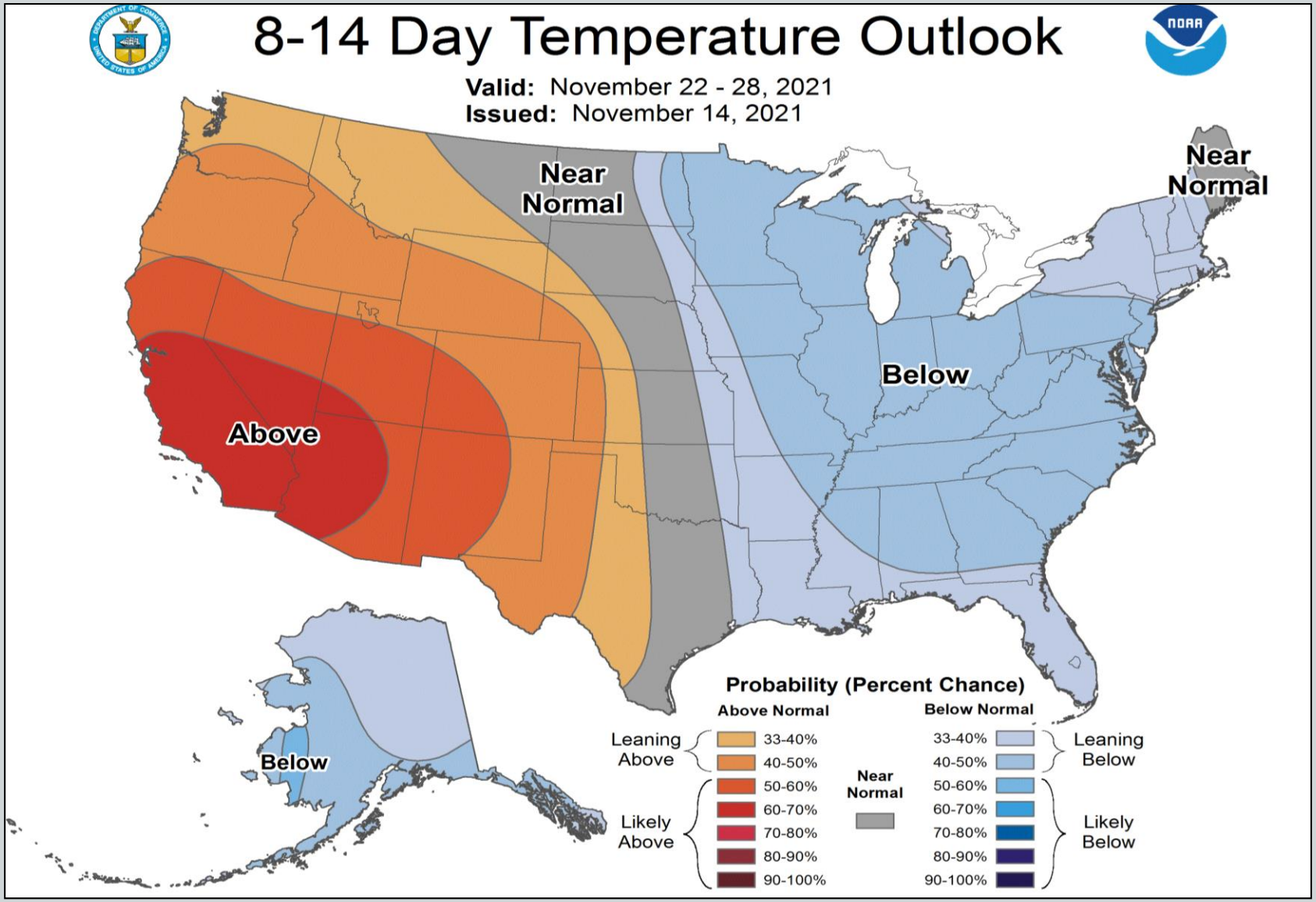
6-10 Day Temp Outlook



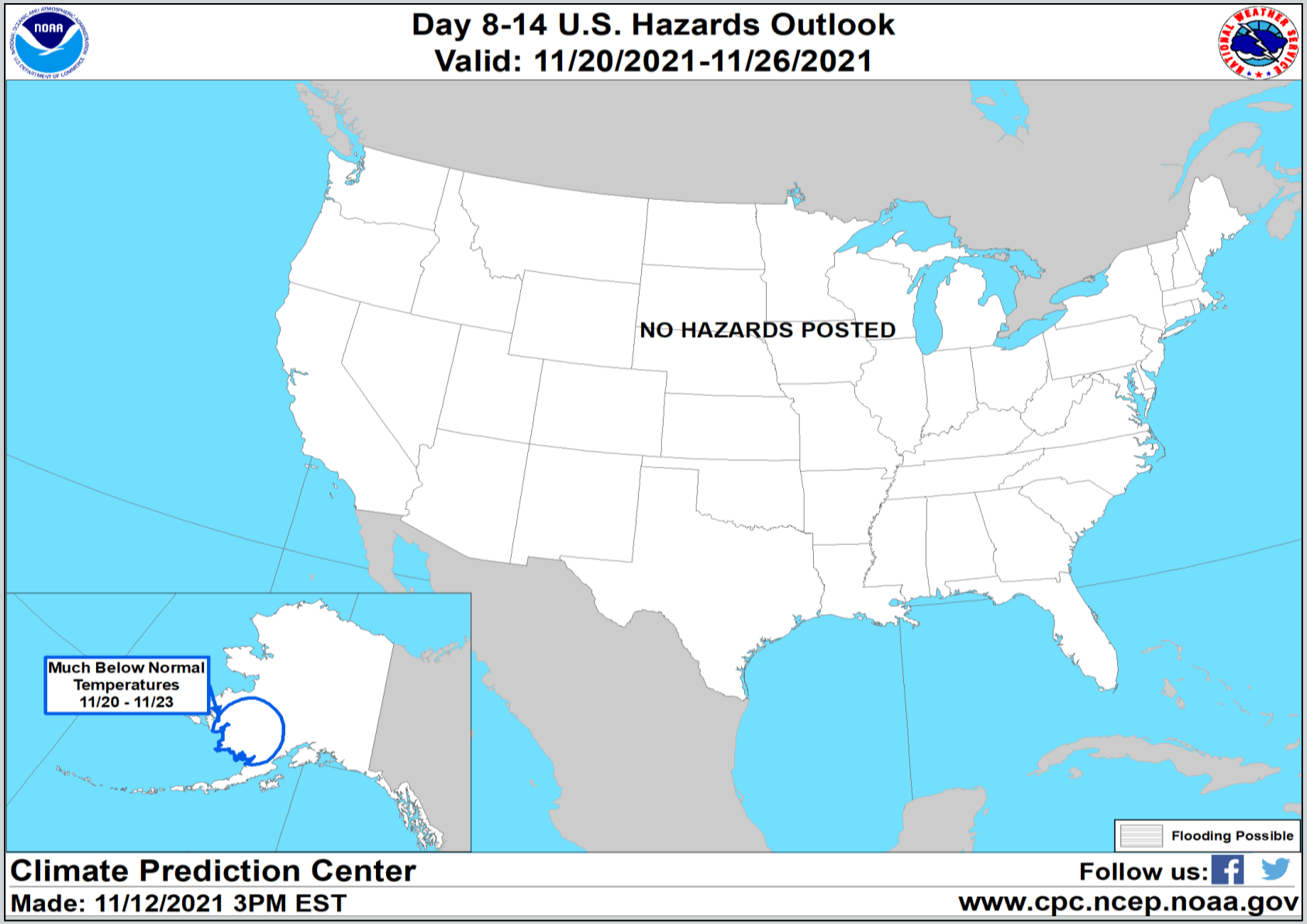
8-14 Day Precip Outlook



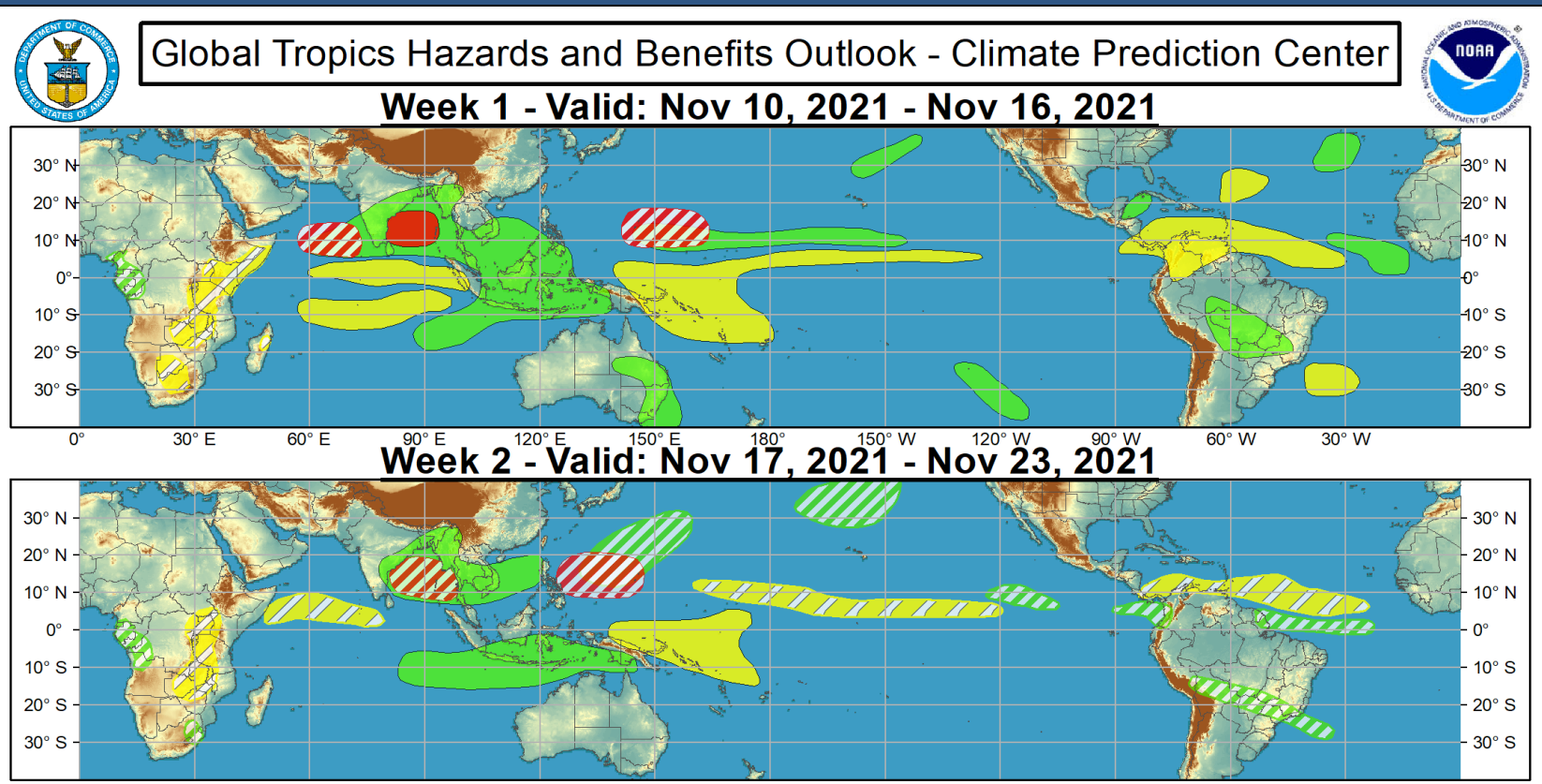
8-14 Day Temp Outlook



Week 2 Hazards Outlook

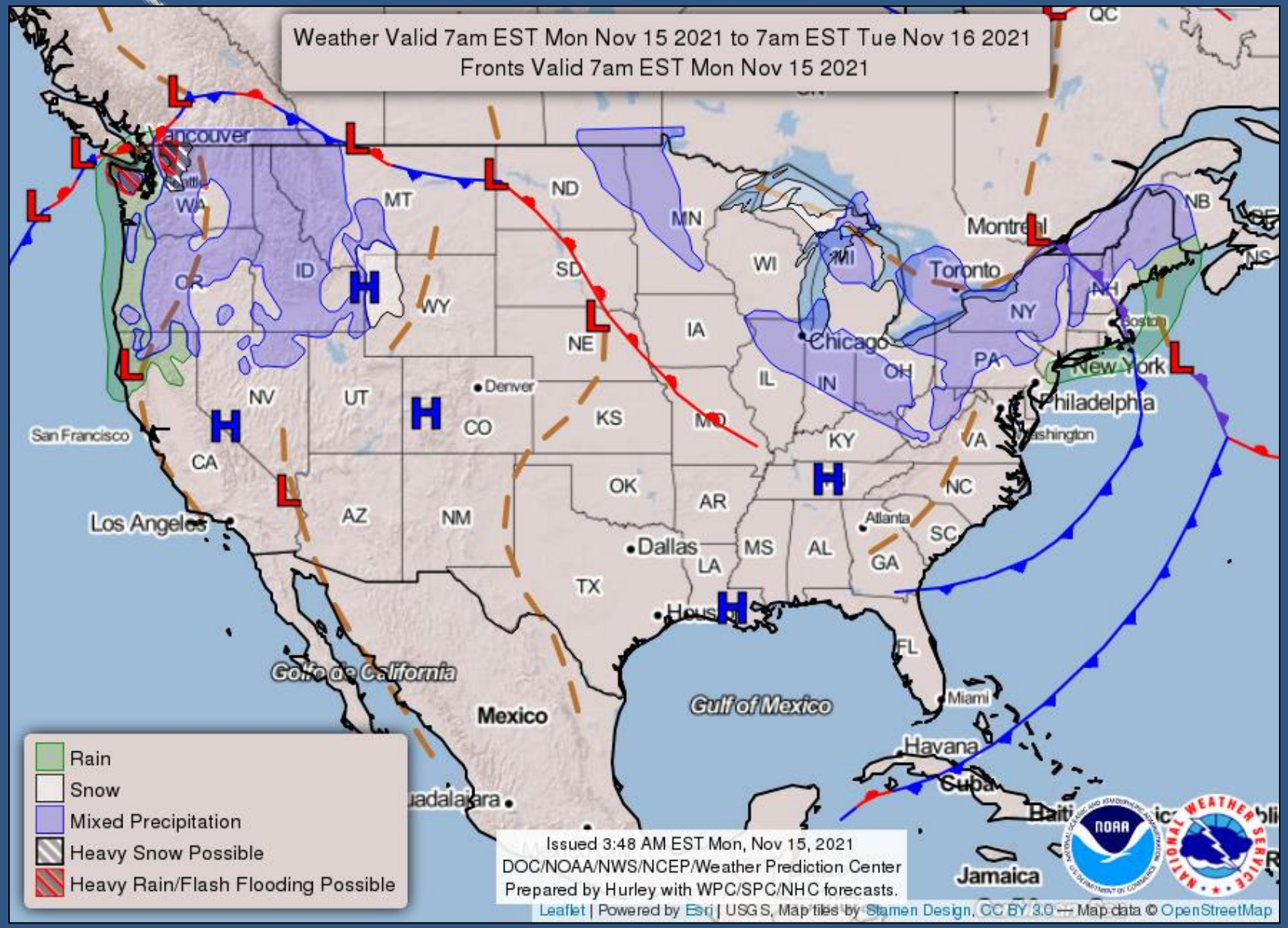


Tropical Hazards Outlook

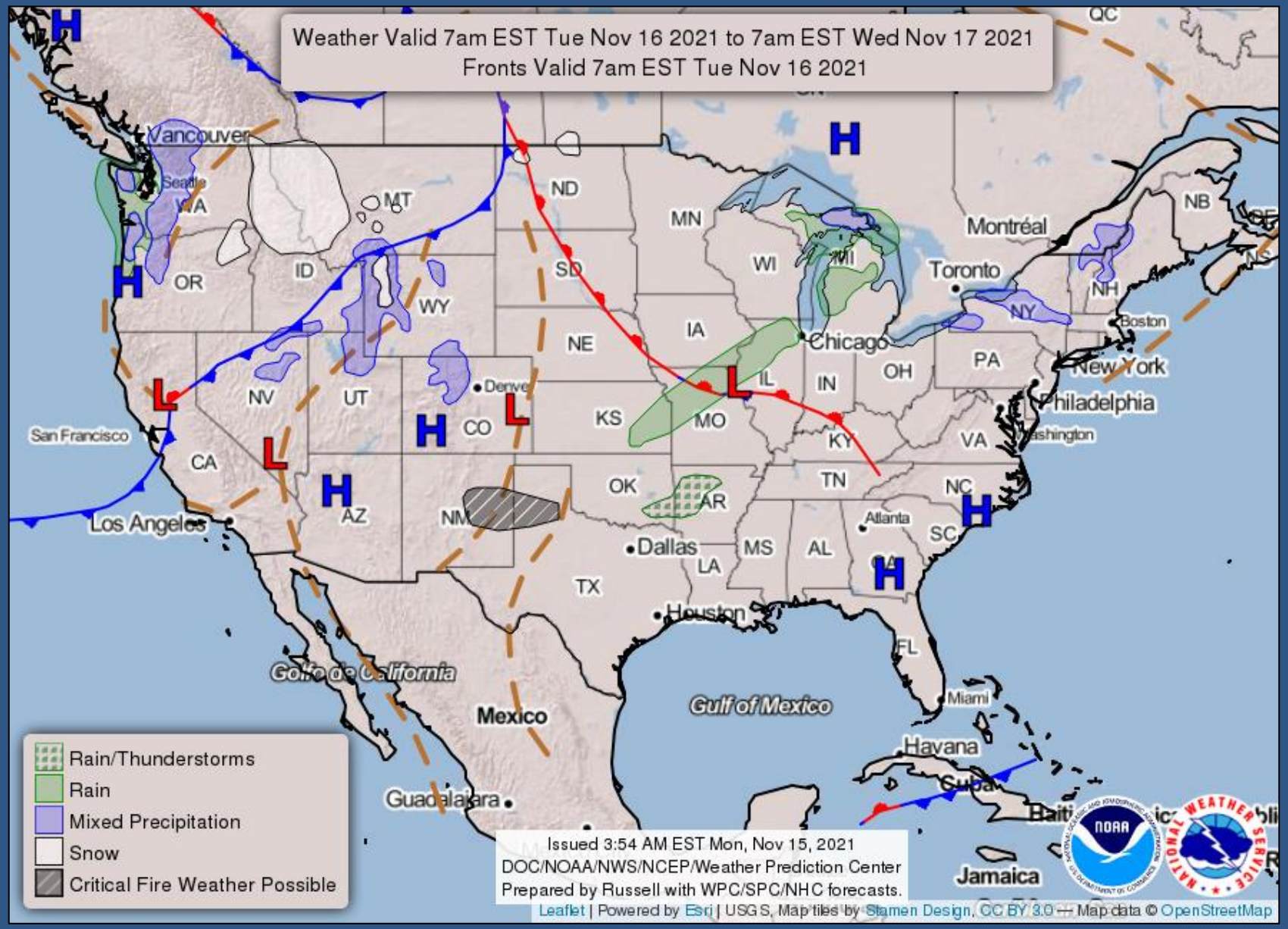


Surface Maps

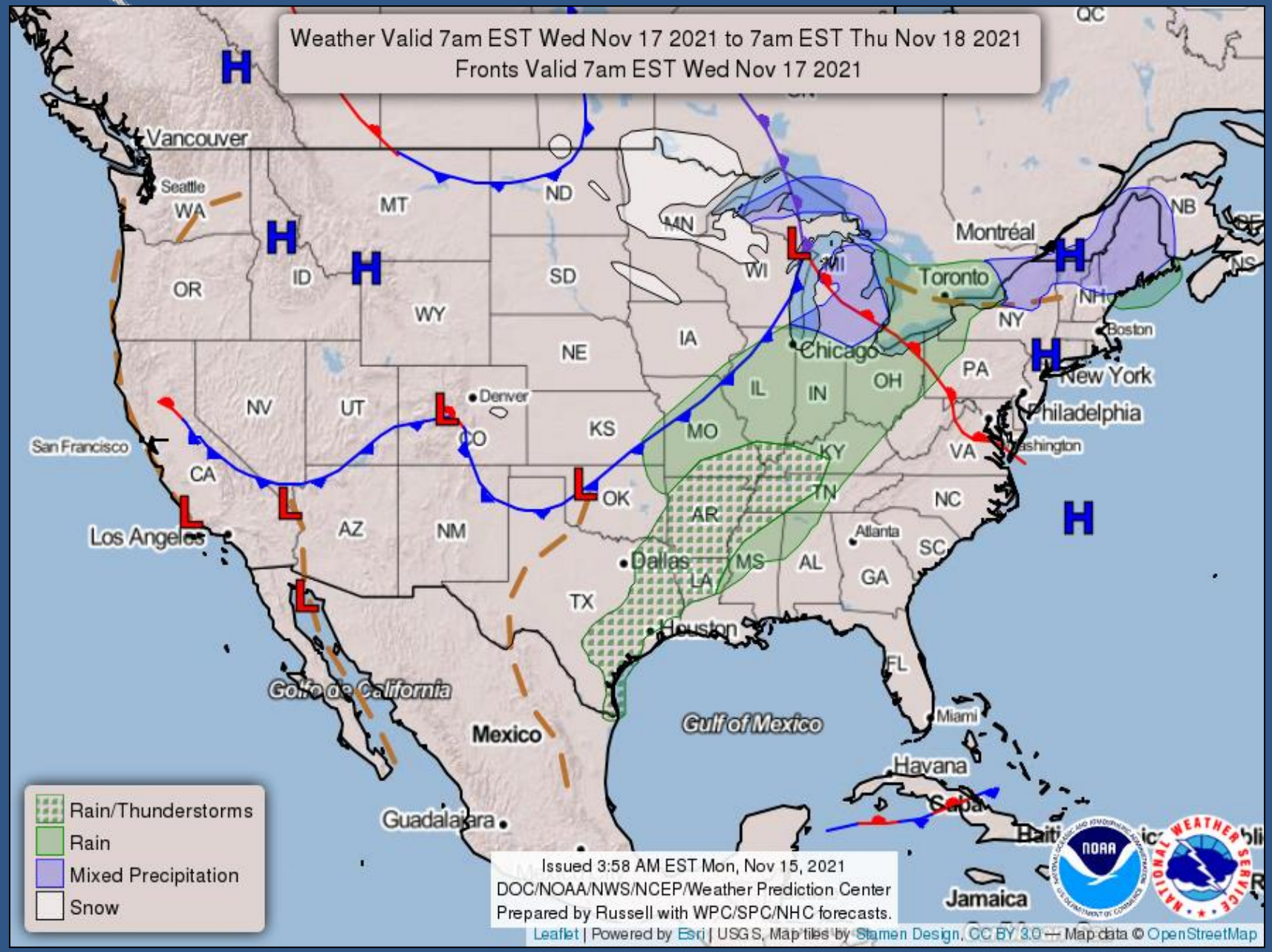
Today's Surface Map



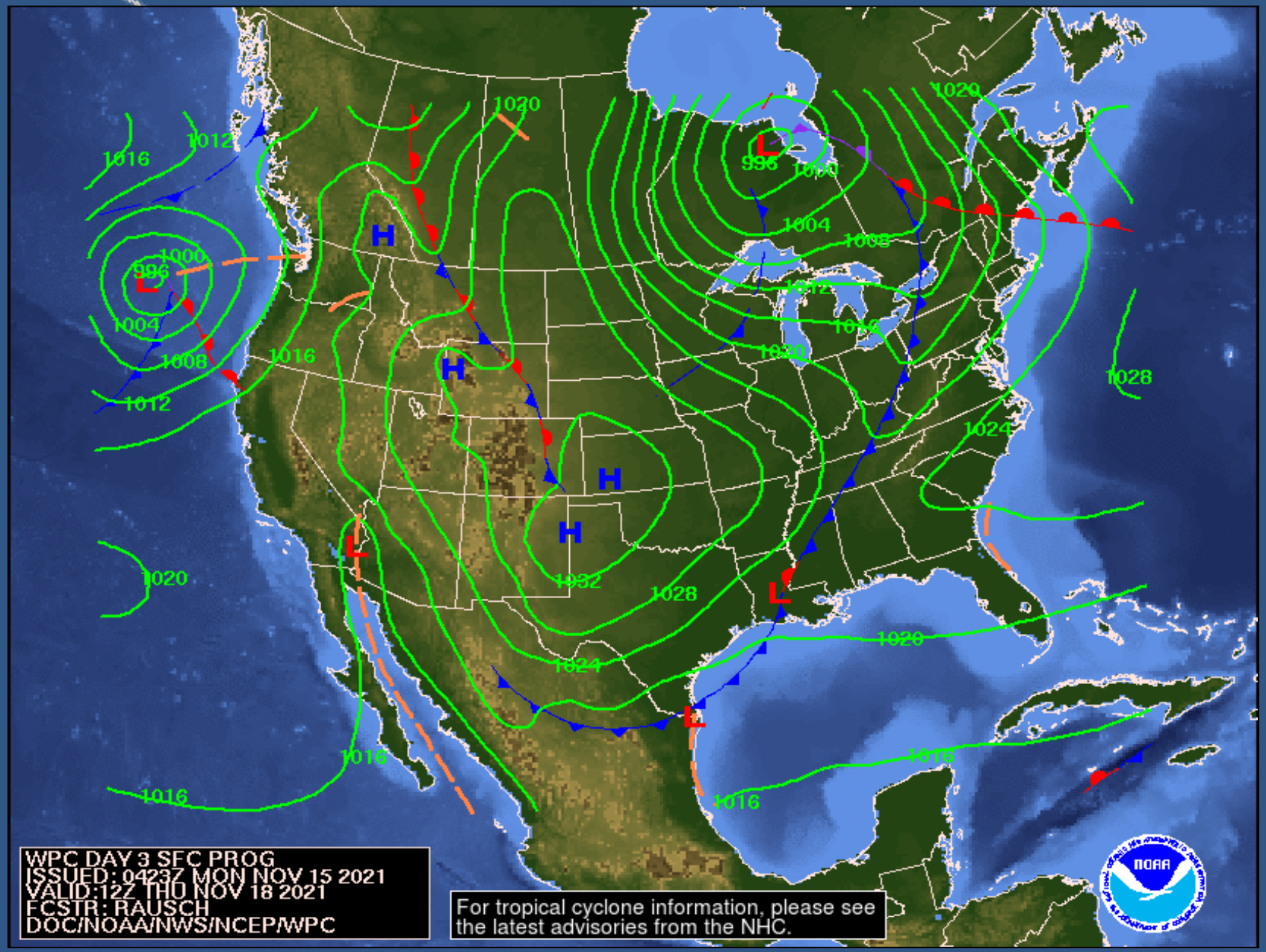
Tomorrow's Forecast



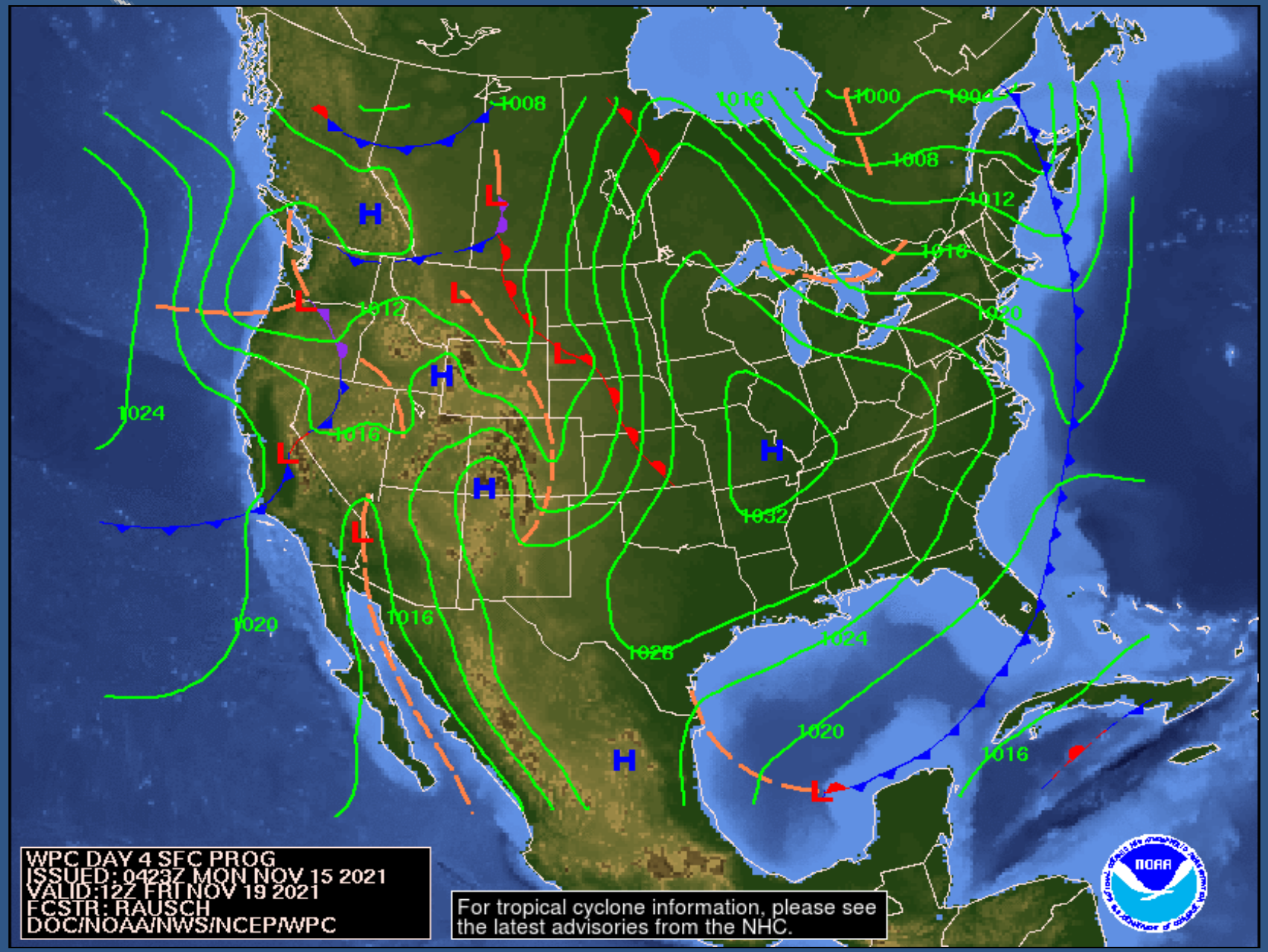
Day 3 Forecast



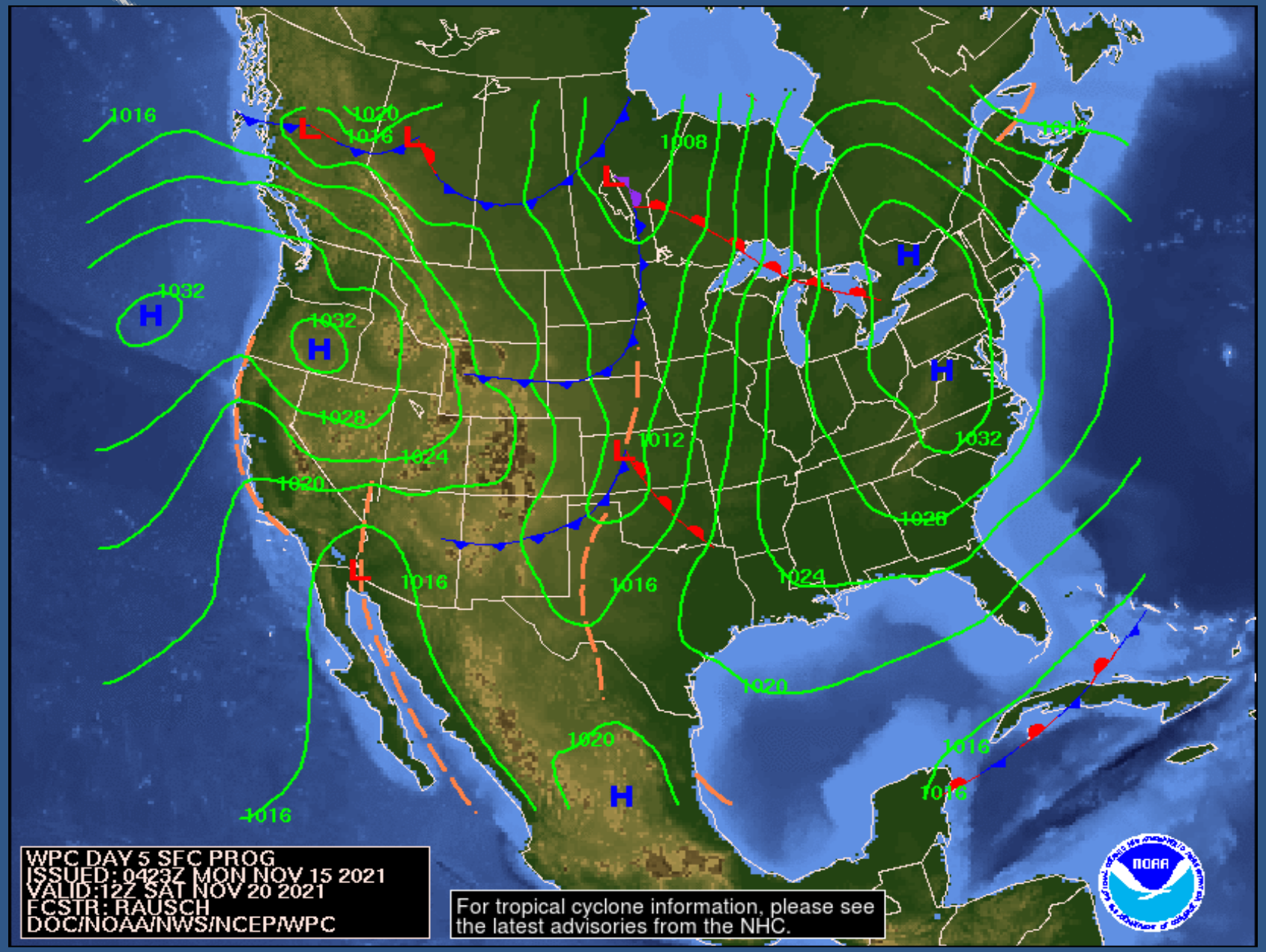
Day 3 Forecast at 7am



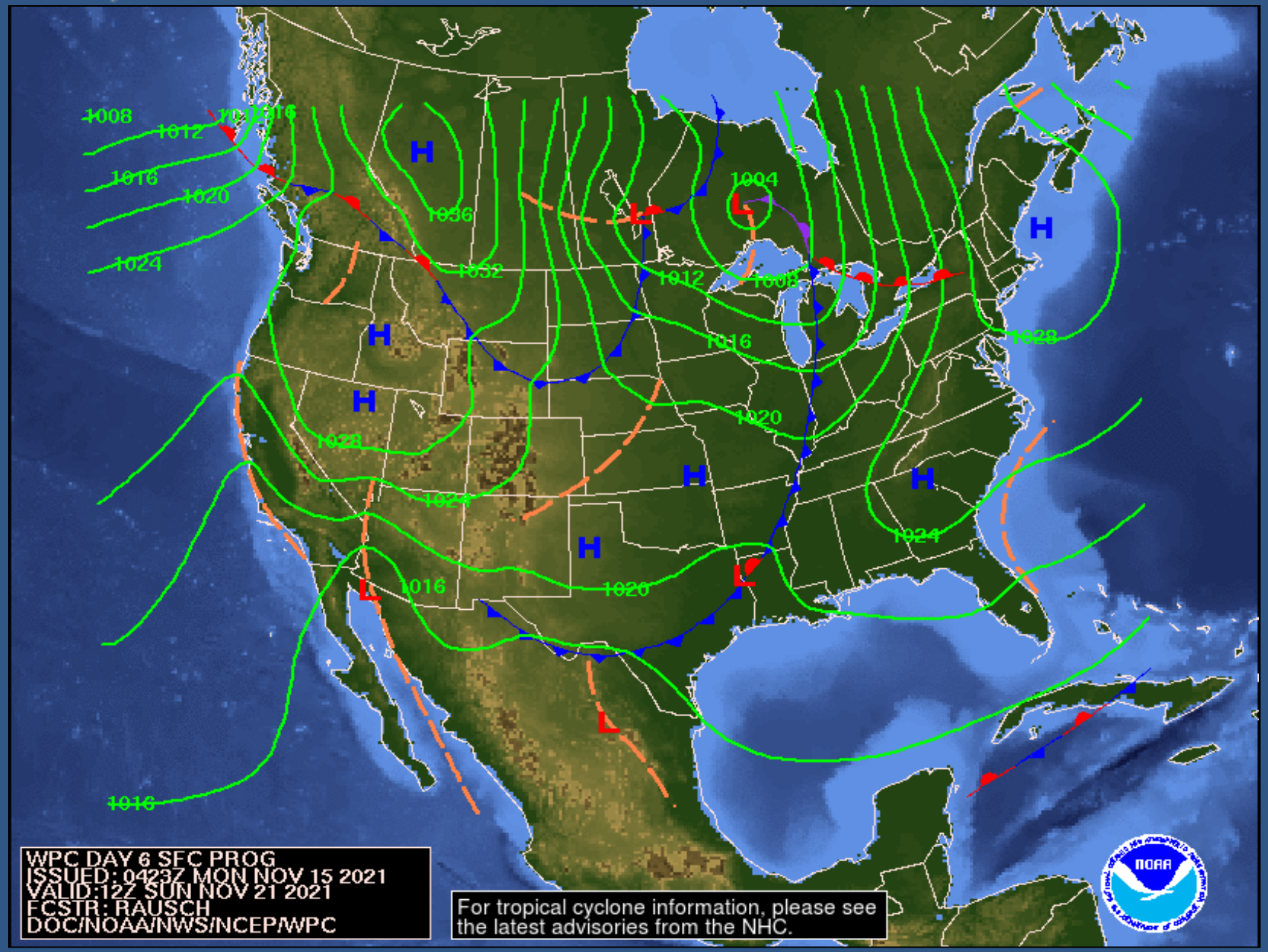
Day 4 Forecast at 7am



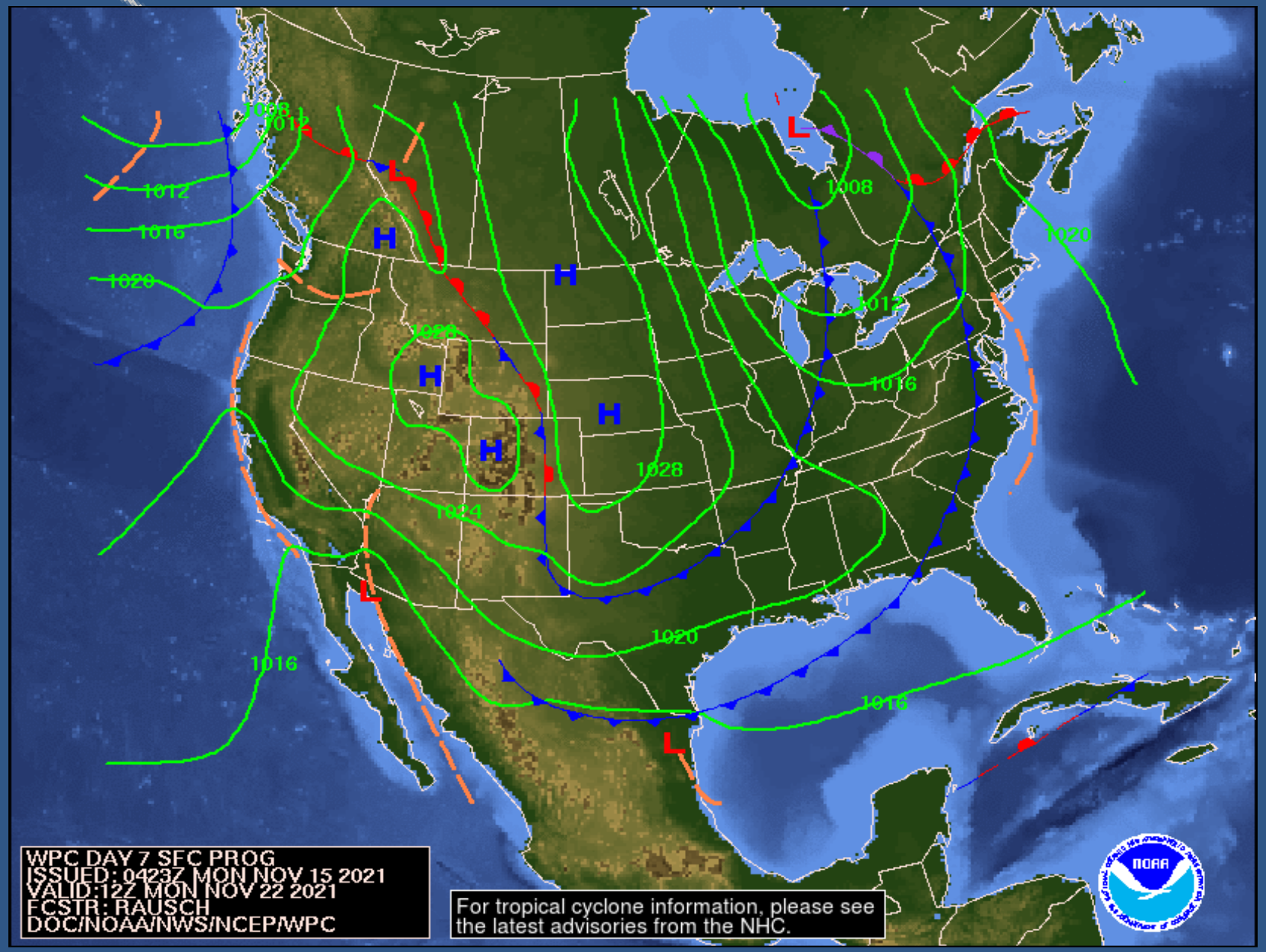
Day 5 Forecast at 7am



Day 6 Forecast at 7am



Day 7 Forecast at 7am



Solunar Tables for Vicksburg area

Tuesday, November 16, 2021

Outlook: Good
First Major Time: 10:57 AM - 12:57 PM
First Minor Time: 5:15 PM - 6:15 PM
Second Major Time: --:-- - 1:18 AM
Second Minor Time: 5:30 AM - 6:30 AM
Sunset: 5:01 PM
Sunrise: 6:32 AM

Moonrise: 3:45 PM
Moonset: 4:00 AM
Day Length:
Moon Phase: Waxing Gibbous
Moon Underfoot: 11:18 PM

Wednesday, November 17, 2021

Outlook: Better
First Major Time: 11:39 AM - 1:39 PM
First Minor Time: 5:43 PM - 6:43 PM
Second Major Time: 11:39 AM - 1:39 PM
Second Minor Time: 6:27 AM - 7:27 AM
Sunset: 5:00 PM
Sunrise: 6:33 AM

Moonrise: 4:13 PM
Moonset: 4:57 AM
Day Length:
Moon Phase: Waxing Gibbous
Moon Underfoot: 11:39 AM

Thursday, November 18, 2021

Outlook:
First Major Time: 12:22 PM - 2:22 PM
First Minor Time: 6:14 PM - 7:14 PM
Second Major Time: 12:22 PM - 2:22 PM
Second Minor Time: 7:23 AM - 8:23 AM
Sunset: 5:00 PM
Sunrise: 6:34 AM

Moonrise: 4:44 PM
Moonset: 5:53 AM
Day Length:
Moon Phase: Waxing Gibbous
Moon Underfoot: 12:22 PM

Friday, November 19, 2021

Outlook:
First Major Time: 12:44 AM - 2:44 AM
First Minor Time: 6:47 PM - 7:47 PM
Second Major Time: 1:07 PM - 3:07 PM
Second Minor Time: 8:20 AM - 9:20 AM
Sunset: 4:59 PM
Sunrise: 6:35 AM

Moonrise: 5:17 PM
Moonset: 6:50 AM
Day Length:
Moon Phase: Waning Gibbous
Moon Underfoot: 1:07 PM

Saturday, November 20, 2021

Outlook: Better
First Major Time: 1:30 AM - 3:30 AM
First Minor Time: 7:25 PM - 8:25 PM
Second Major Time: 1:54 PM - 3:54 PM
Second Minor Time: 9:17 AM - 10:17 AM
Sunset: 4:59 PM
Sunrise: 6:36 AM

Moonrise: 5:55 PM
Moonset: 7:47 AM
Day Length:
Moon Phase: Waning Gibbous
Moon Underfoot: 1:54 PM