U.P. Fire Weather Briefing

12/20/2016

This presentation is automatically updated each day by 7 a.m. Eastern

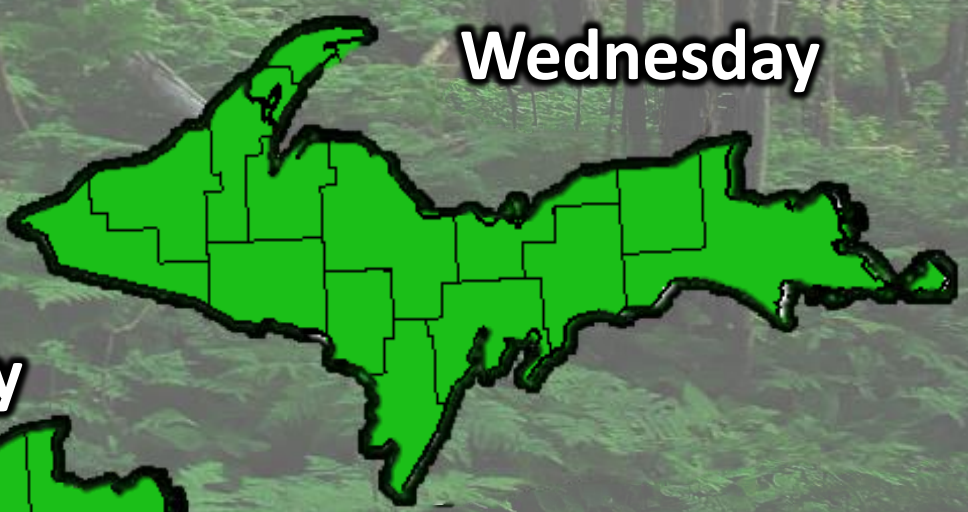
Always check the latest forecast and contact your local NWS office for further details

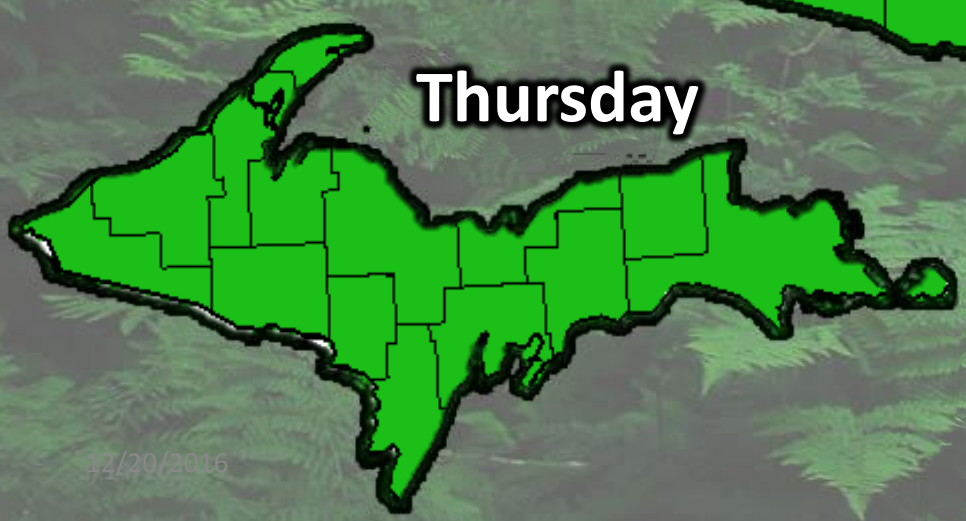
National Weather Service – Marquette, Michigan

Issued: 12/20/2016 6:27 AM

www.weather.gov/up NWSMarquette @NWSMarquette

Fire Weather Outlook





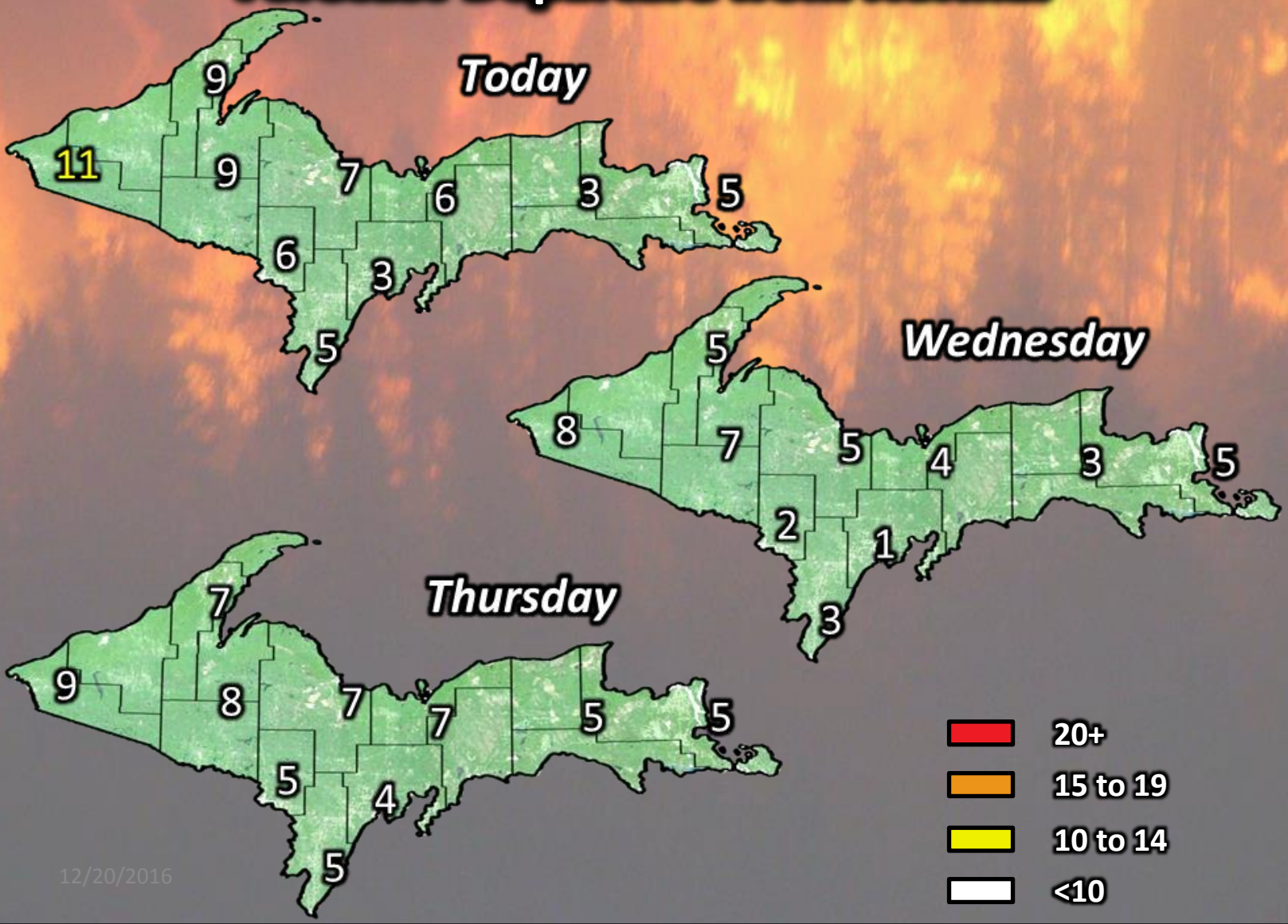
Low | Limited | Elevated

SIGNIFICANT – Weather conditions generally exceed Red Flag Warning Criteria

12/20/2016

Max Temperature Outlook

Forecast Departure from Normal



Min Relative Humidity Outlook

Today

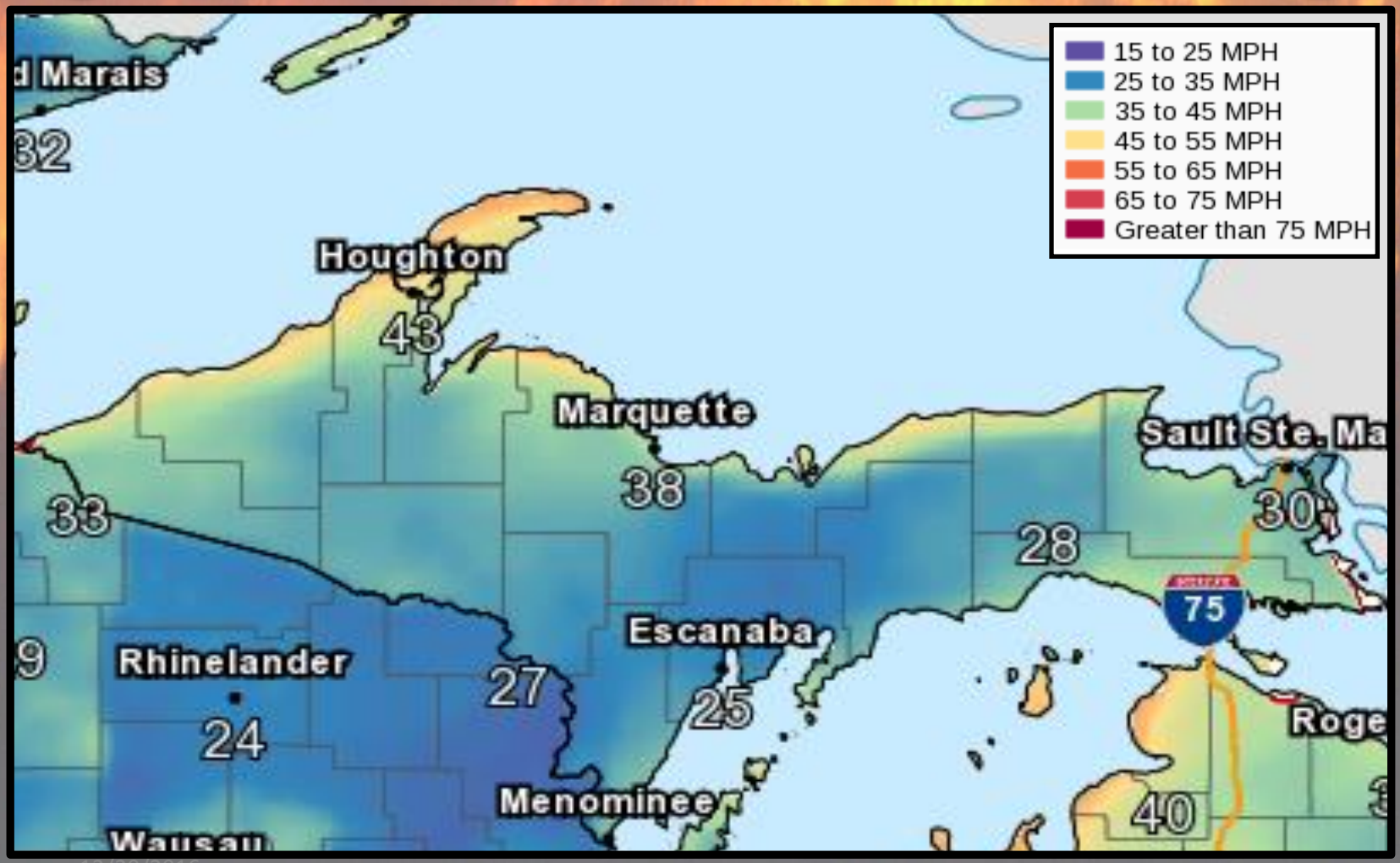
Min Relative Humidity Outlook

Wednesday

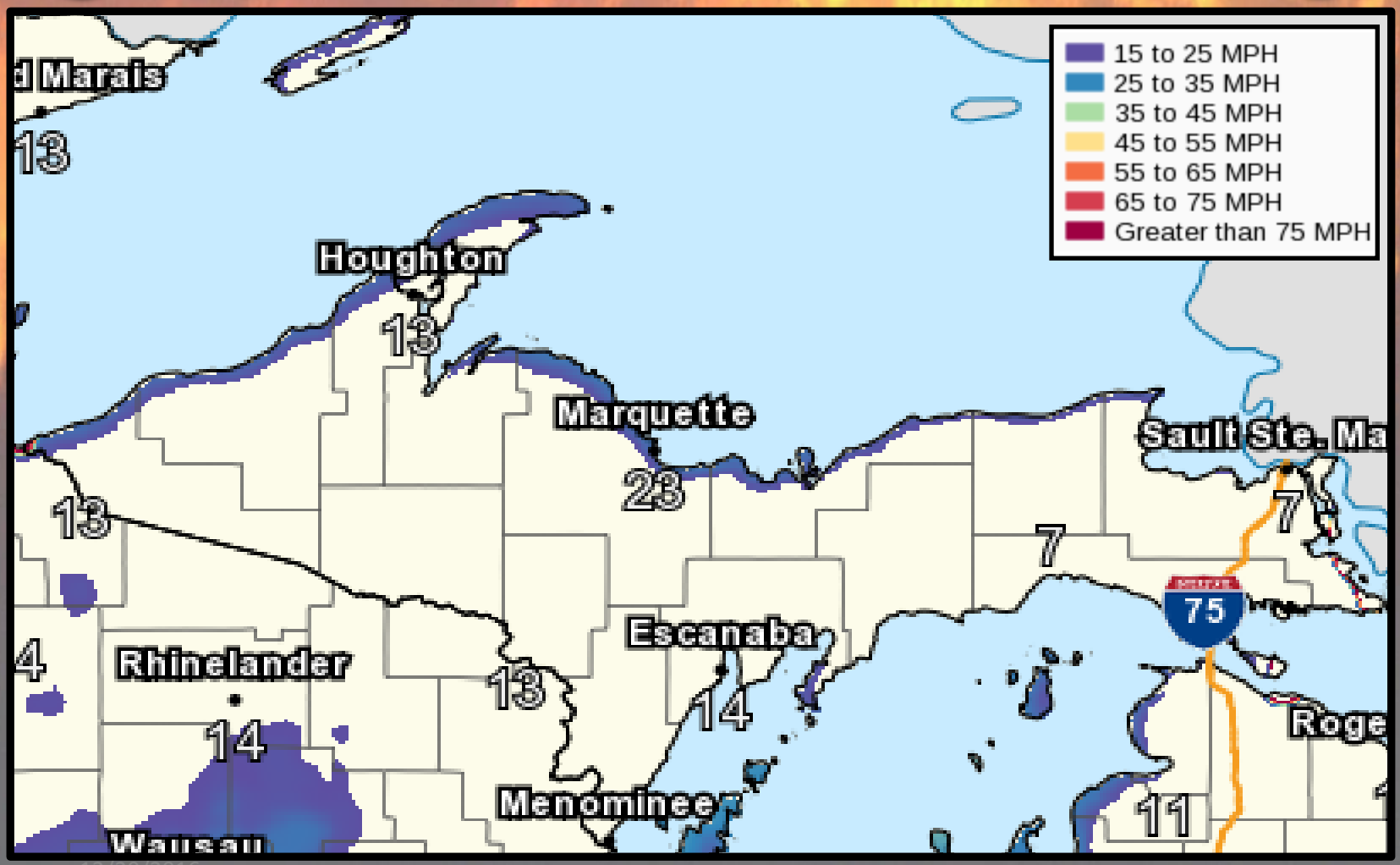
Min Relative Humidity Outlook

Thursday

Peak Wind Gust
Today

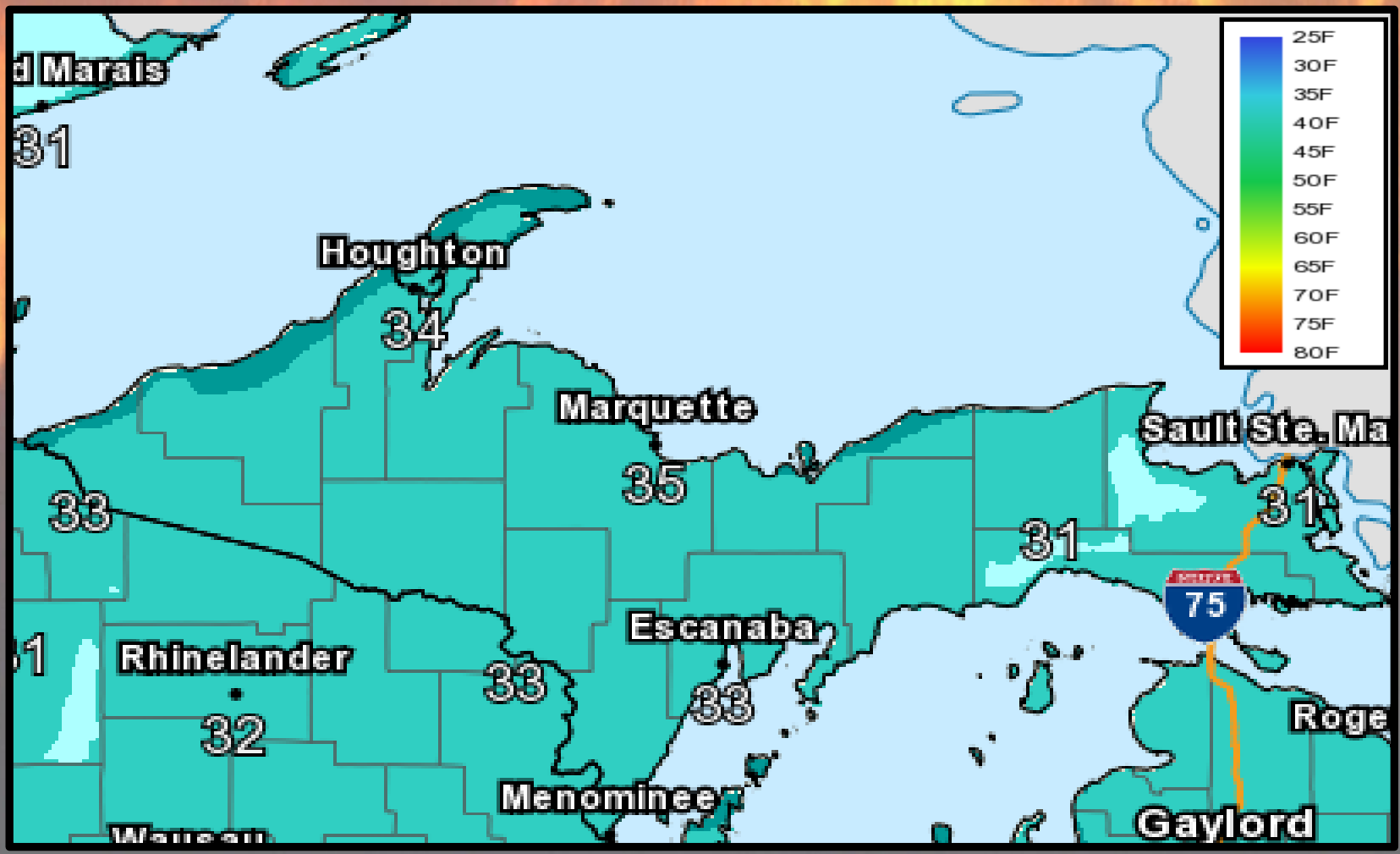


Peak Wind Gust
Wednesday

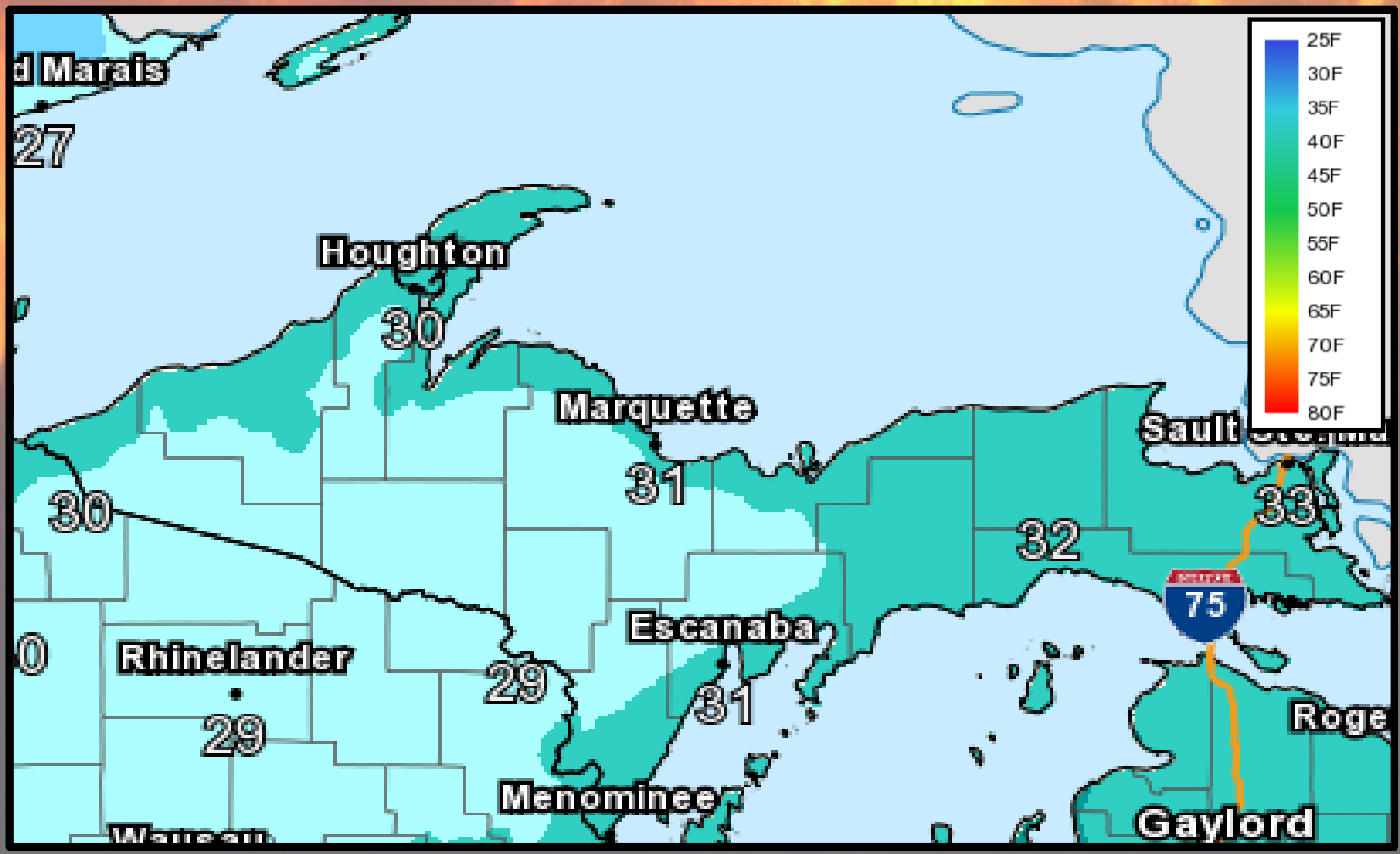


Max Temperature

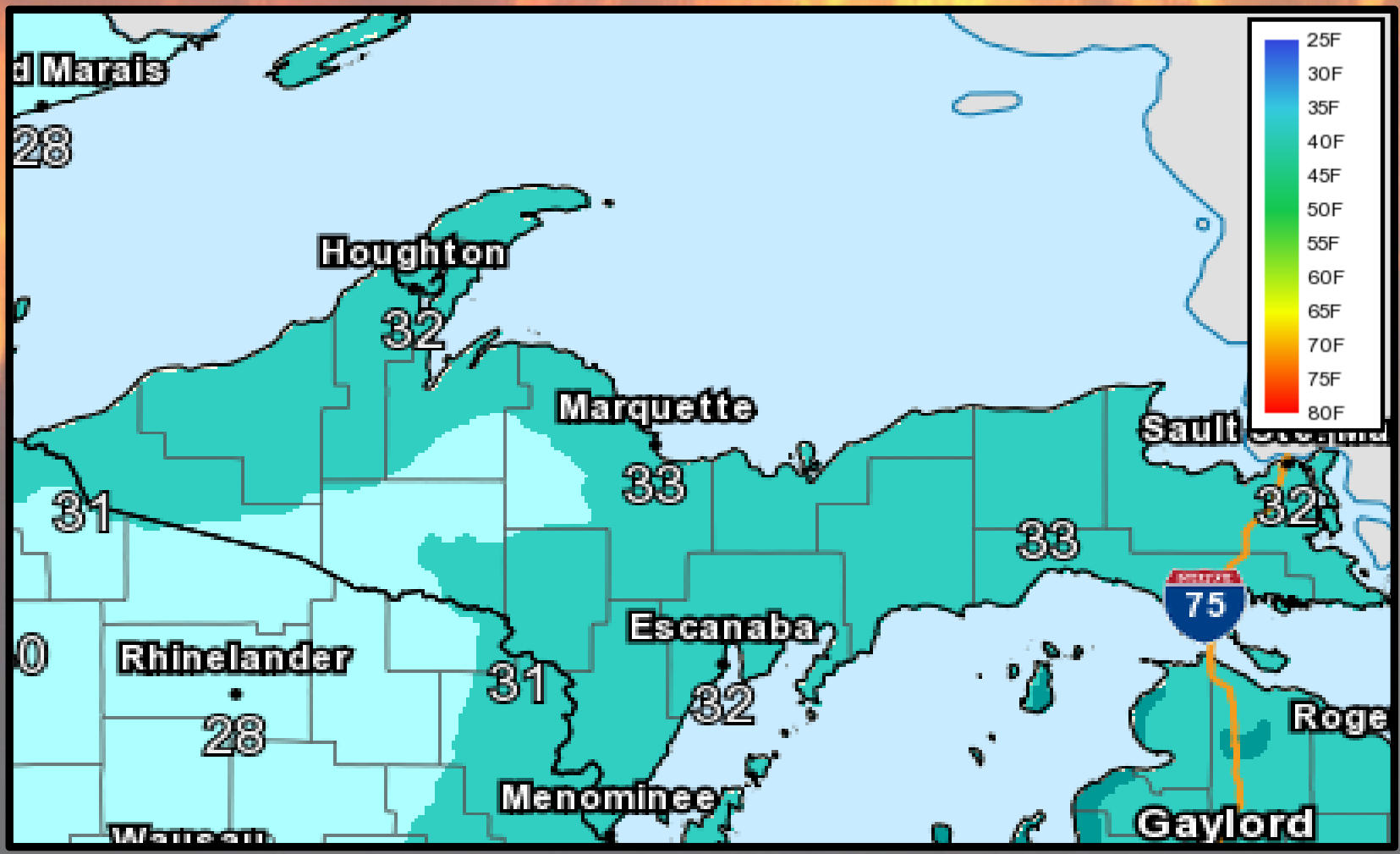
Today



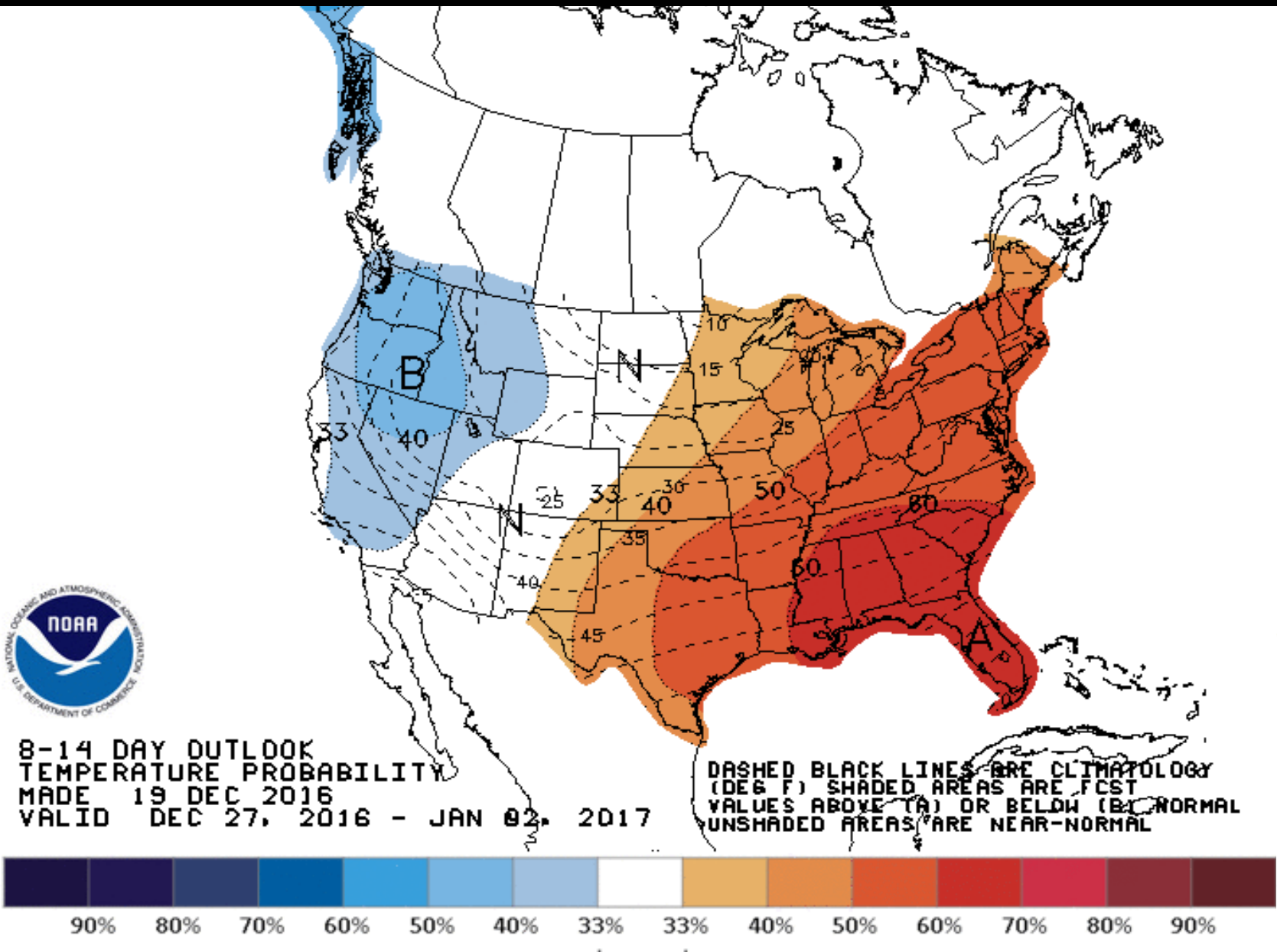
Max Temperature
Wednesday



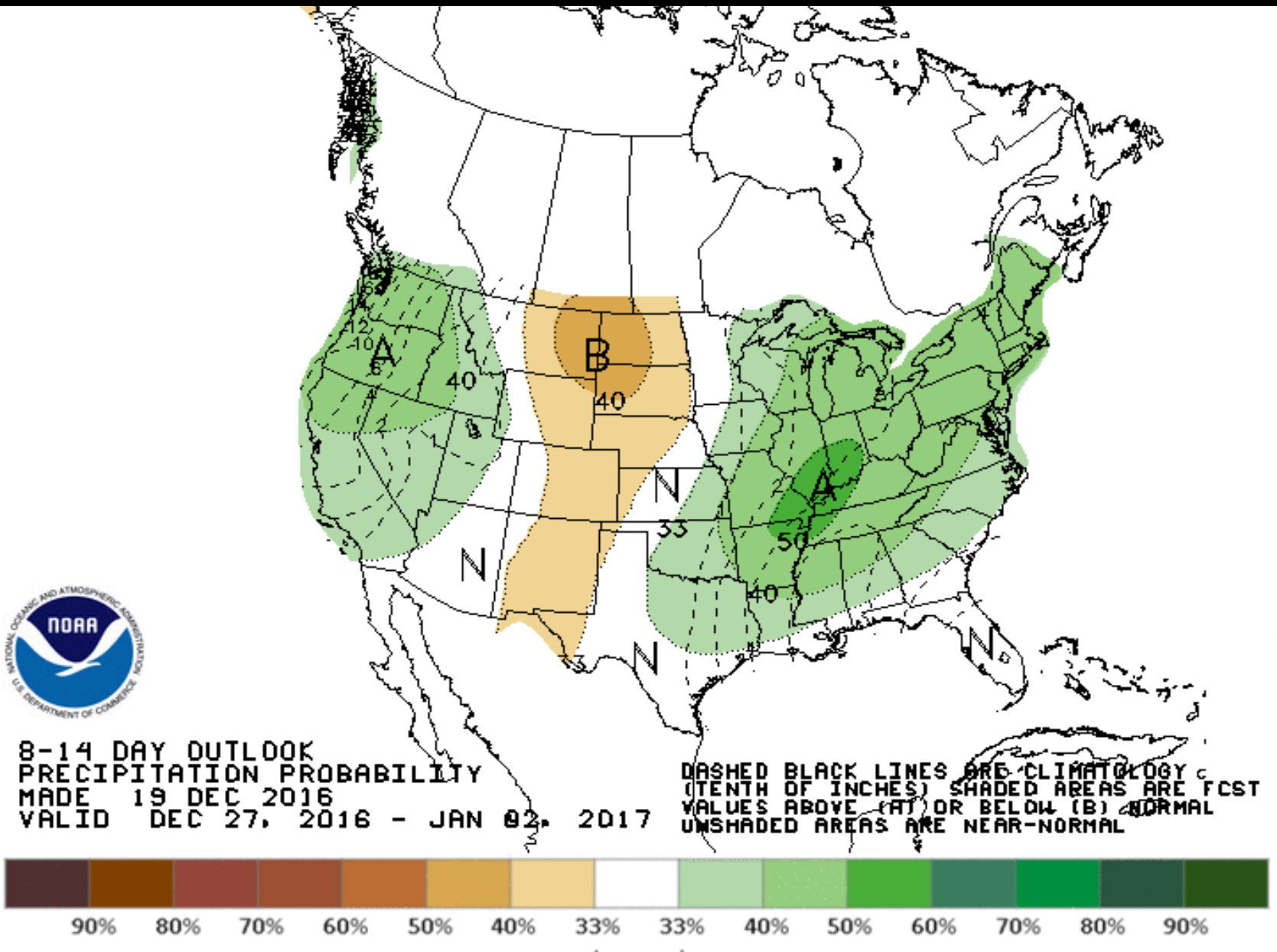
Max Temperature
Thursday



8-14 Day Temperature Outlook

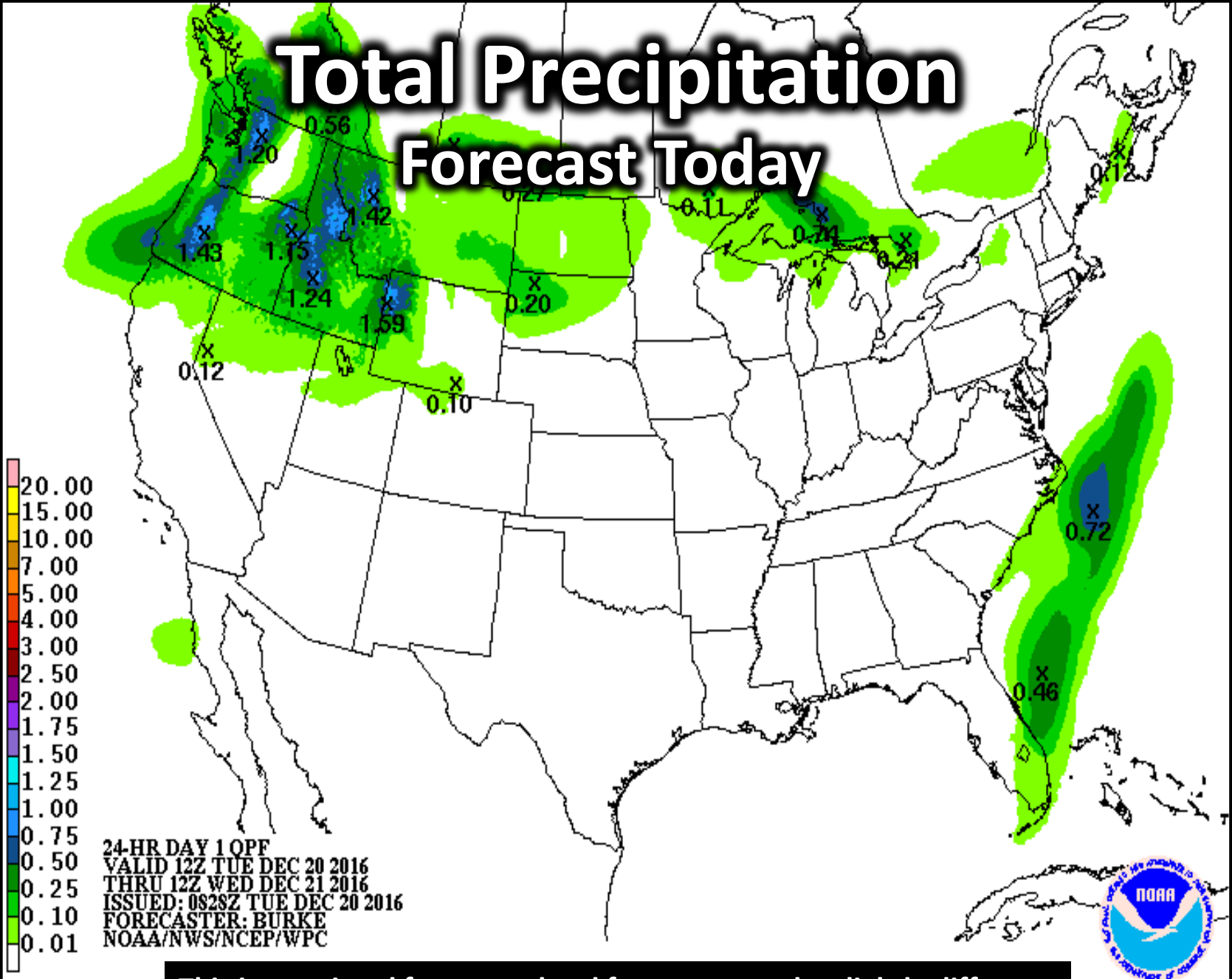


8-14 Day Precipitation Outlook



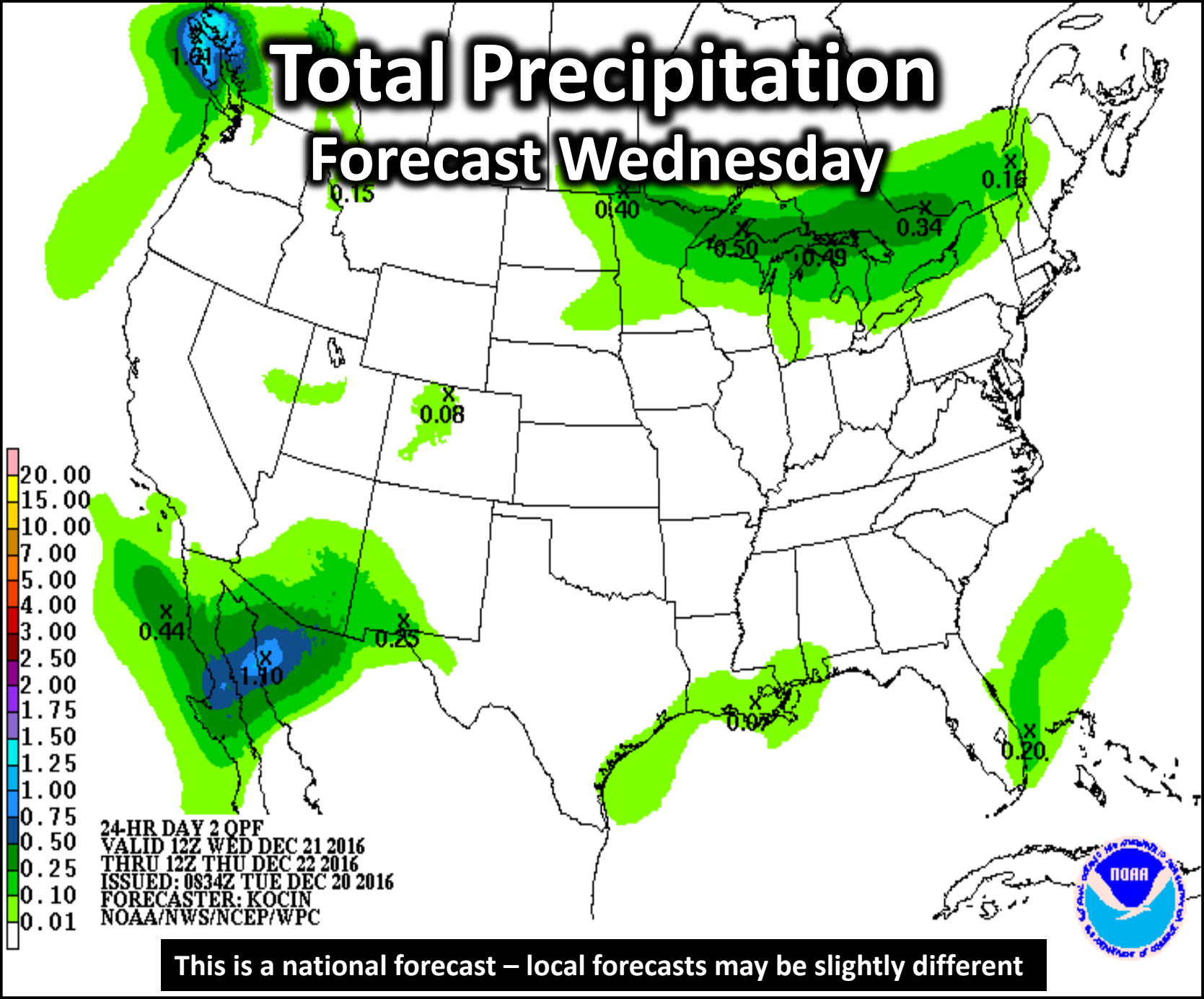
Total Precipitation

Forecast Today



This is a national forecast – local forecasts may be slightly different

Total Precipitation
Forecast Wednesday



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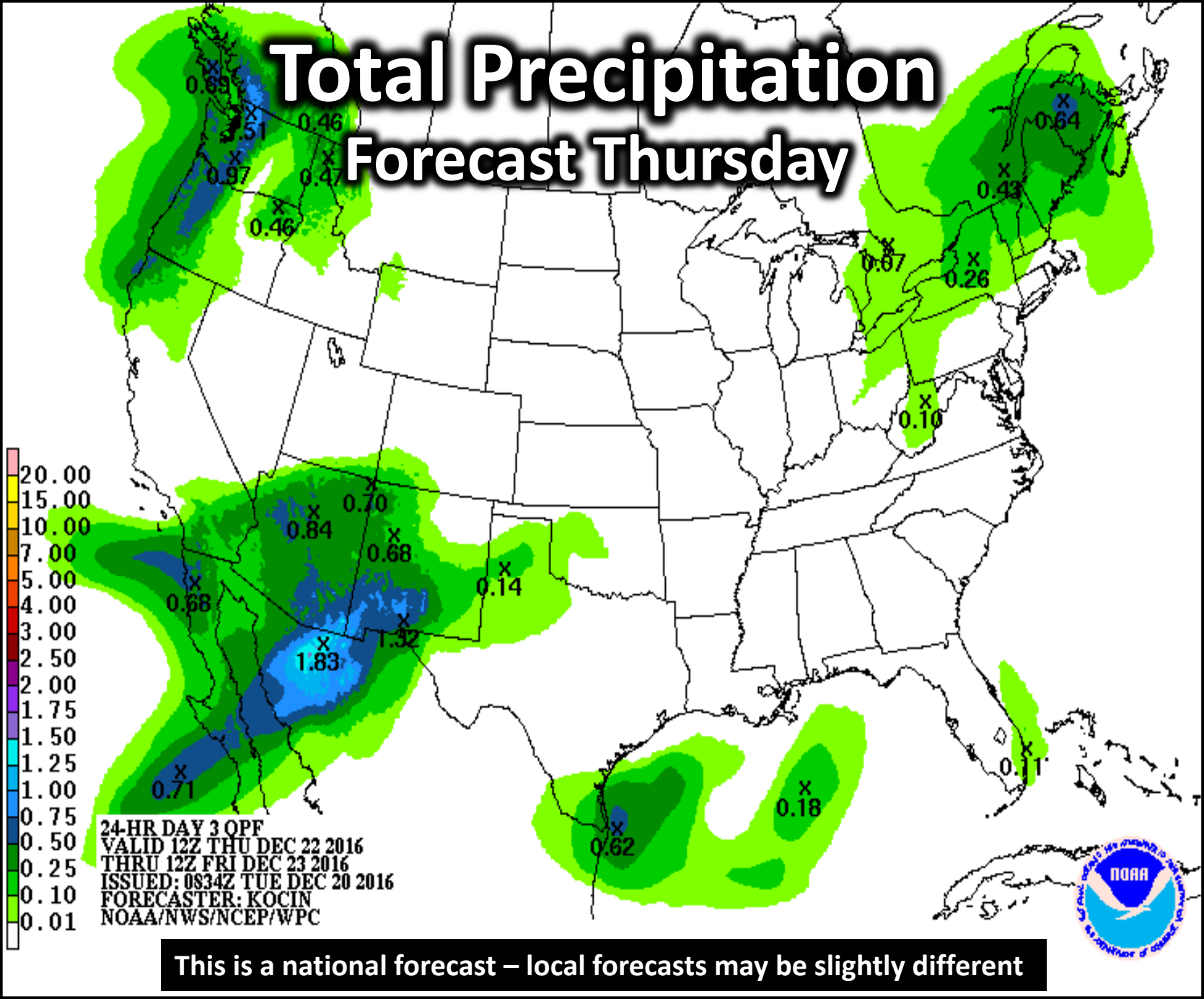
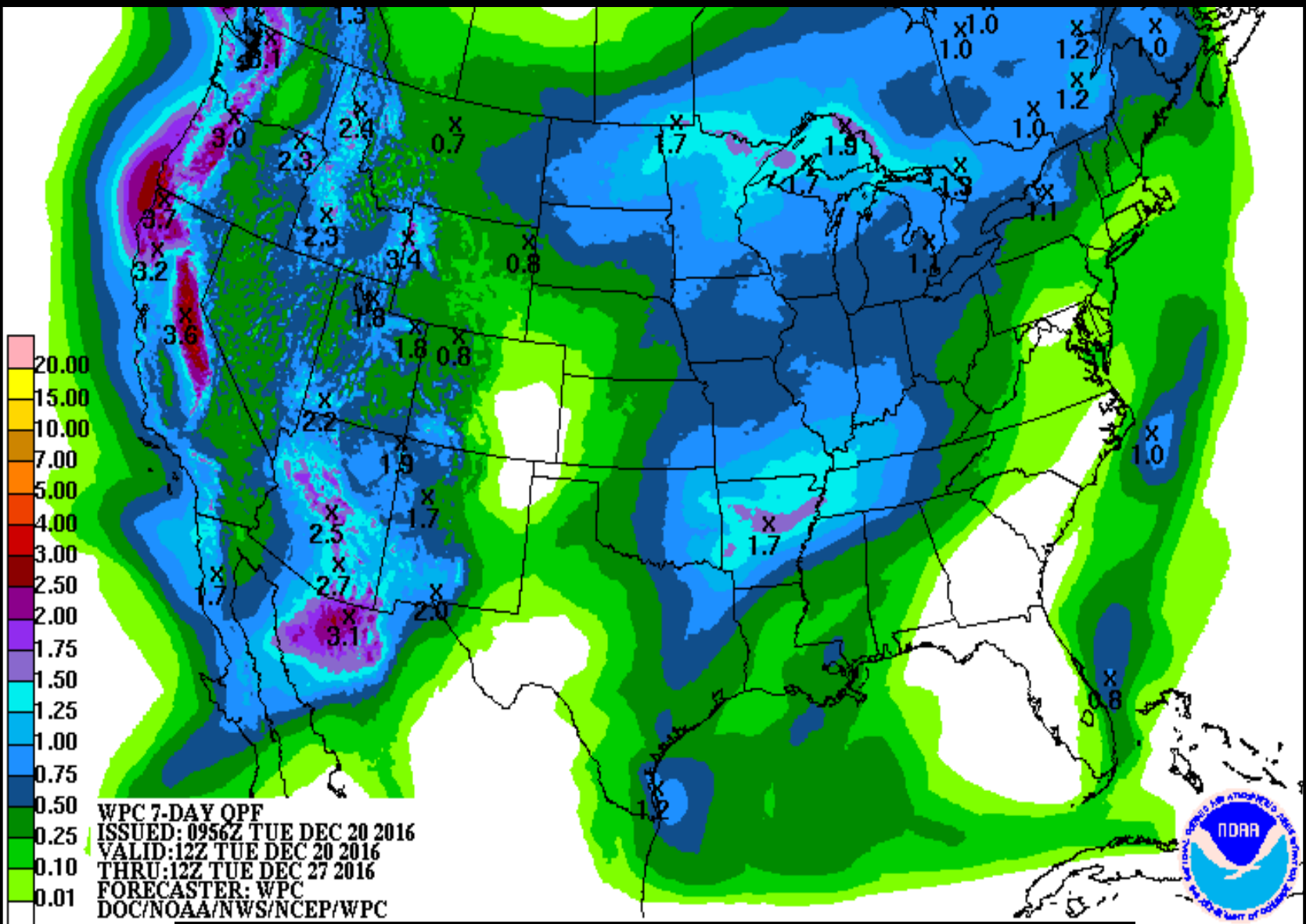
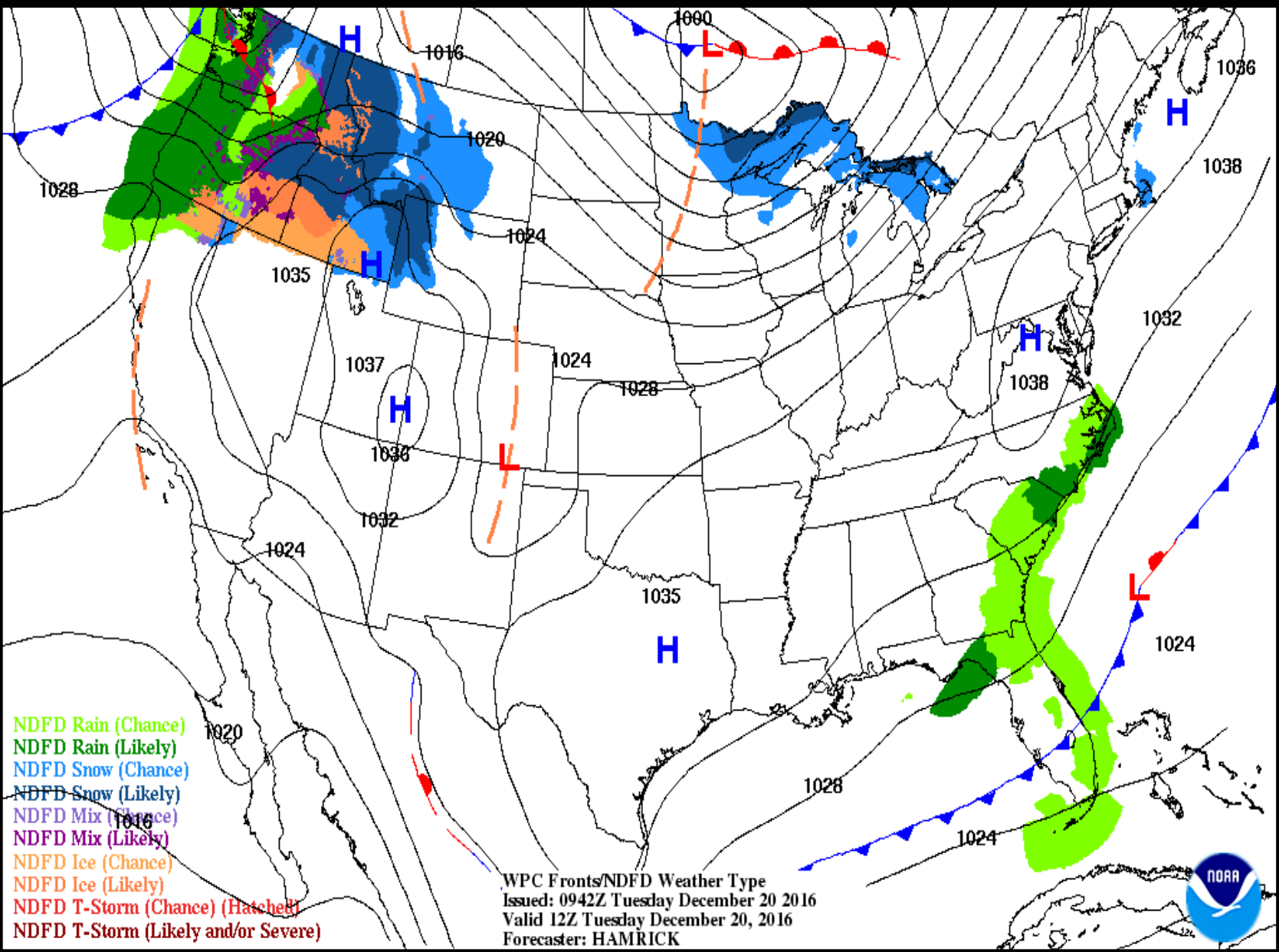

Total Precipitation
Forecast Thursday
0.69
0.51
0.97
0.46
0.47
0.46
0.64
0.43
0.07
0.26
0.10
0.70
0.84
0.68
0.68
0.14
1.32
1.83
0.71
0.62
0.18
0.11
20.00
15.00
10.00
7.00
5.00
4.00
3.00
2.50
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.10
0.01
24-HR DAY 3 QPF
VALID 12Z THU DEC 22 2016
THRU 12Z FRI DEC 23 2016
ISSUED: 0834Z TUE DEC 20 2016
FORECASTER: KOCIN
NOAA/NWS/NCEP/WPC
NOAA
This is a national forecast – local forecasts may be slightly different

7- Day Total Precipitation Forecast

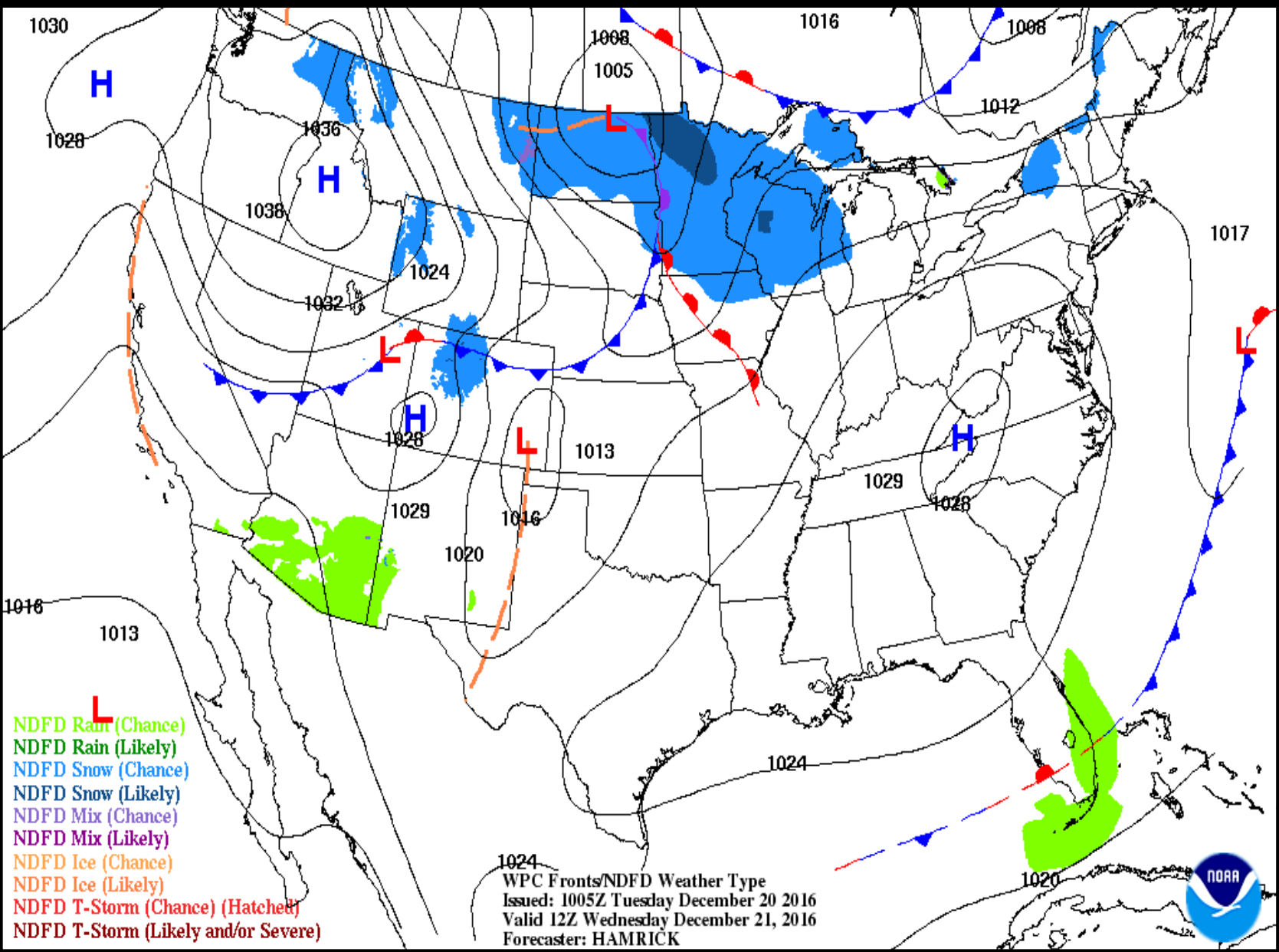


This is a national forecast – local forecasts may be slightly different

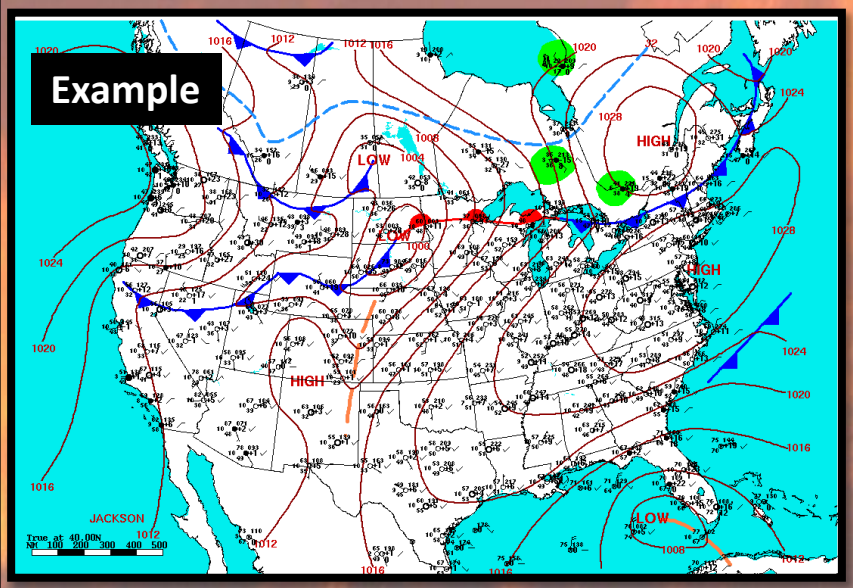
Surface Weather Features Today

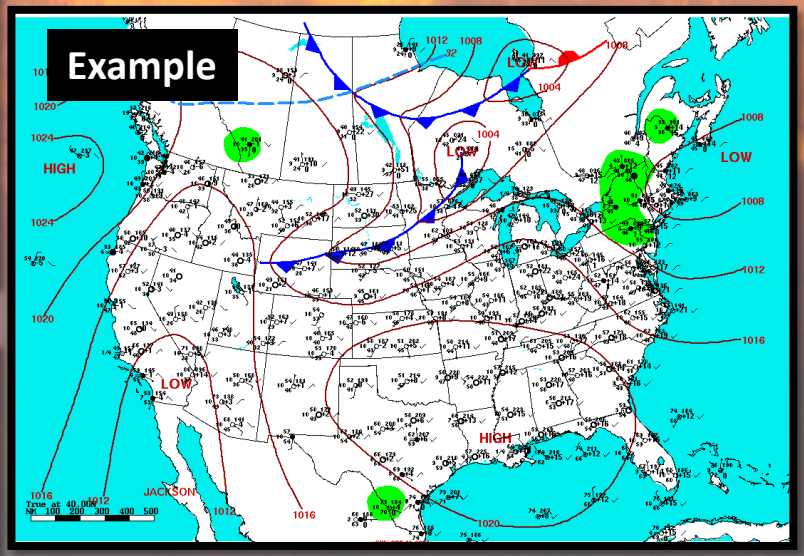


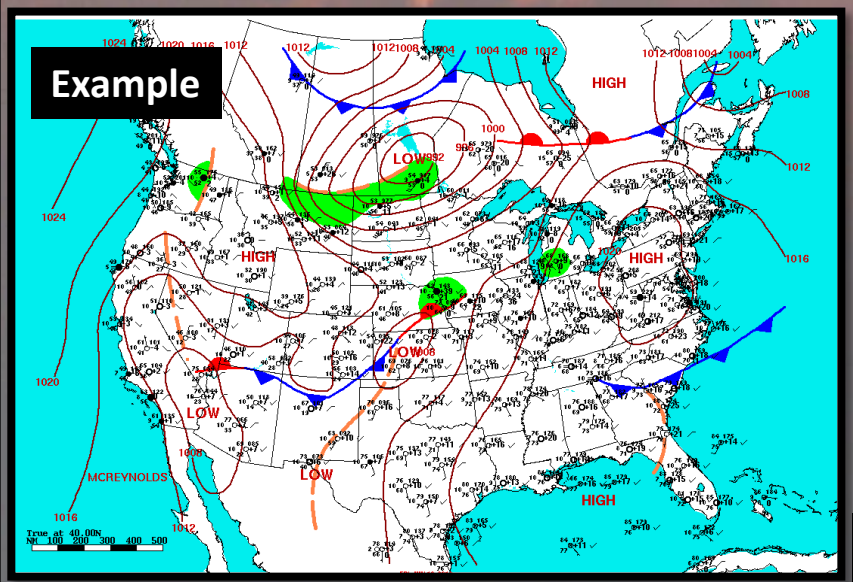
Forecast Thursday



Watch-out Pattern Examples





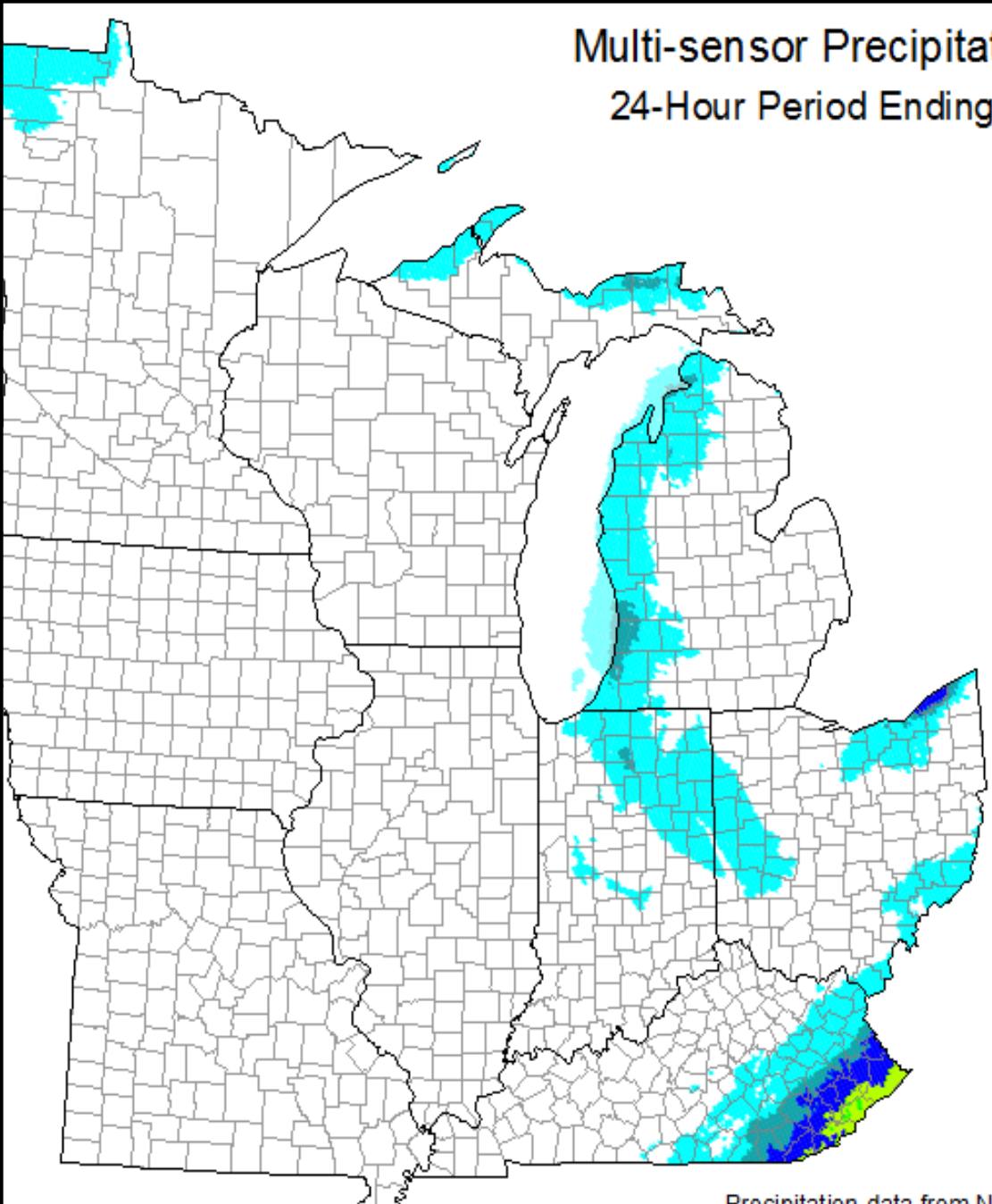


***** Not a Forecast *****

Drought and Long-Term Outlook

Multi-sensor Precipitation: Observed (inches)

24-Hour Period Ending the Morning of 12/19/2016



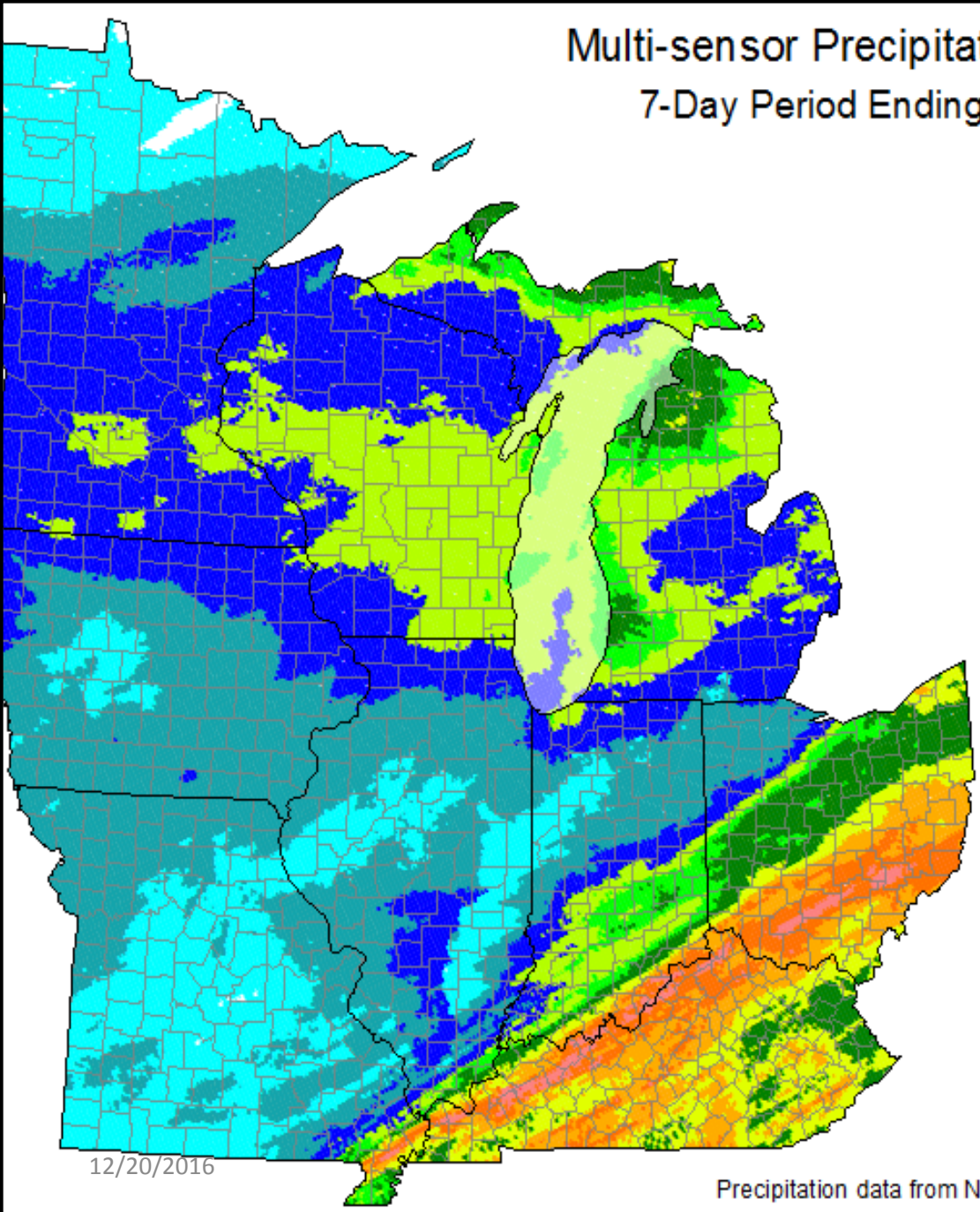
- > 10.0
- 8.0 to 10.0
- 6.0 to 8.0
- 5.0 to 6.0
- 4.0 to 5.0
- 3.0 to 4.0
- 2.5 to 3.0
- 2.0 to 2.5
- 1.5 to 2.0
- 1.0 to 1.5
- 0.75 to 1.00
- 0.50 to 0.75
- 0.25 to 0.50
- 0.10 to 0.25
- 0.01 to 0.10
- < 0.01 (Not Shown)
- Missing Data

MRCC
Midwestern Regional Climate Center

Precipitation data from NWS AHPS: http://water.weather.gov/precip

Multi-sensor Precipitation: Observed (inches)

7-Day Period Ending the Morning of 12/19/2016



- > 10.0
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12/20/2016

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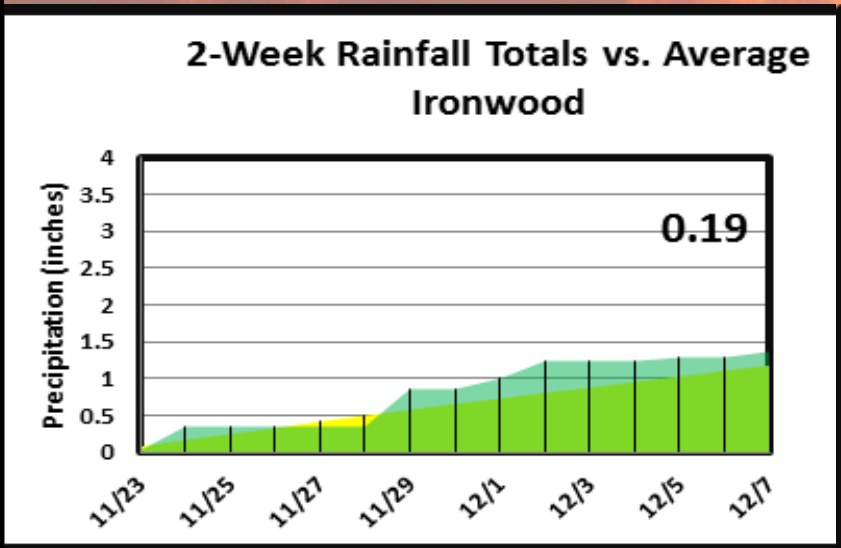
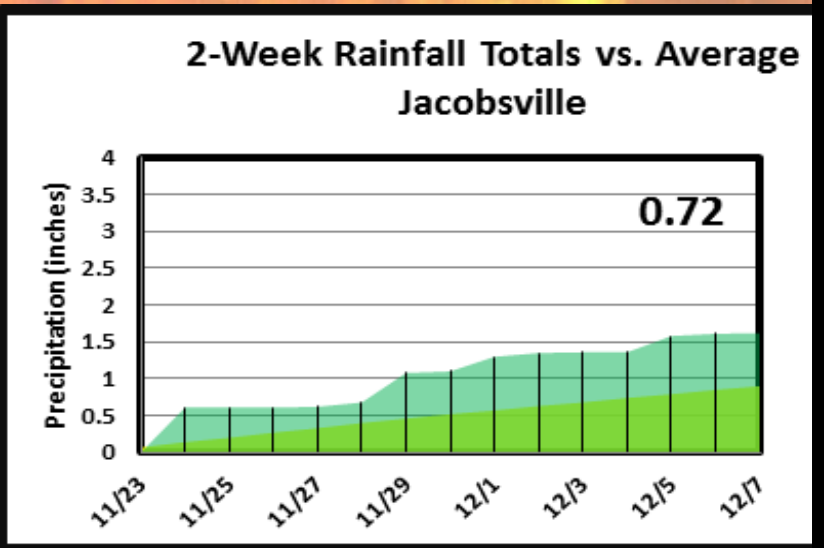
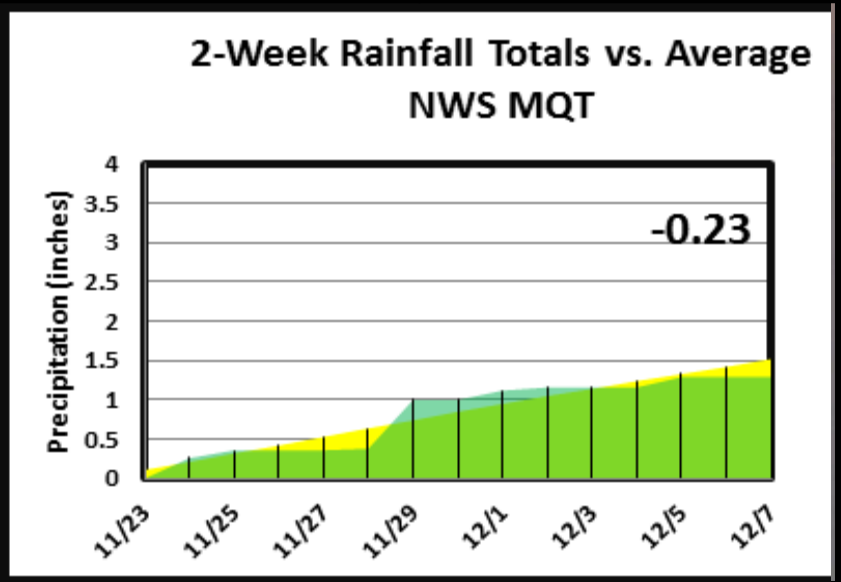
2-Week Precipitation



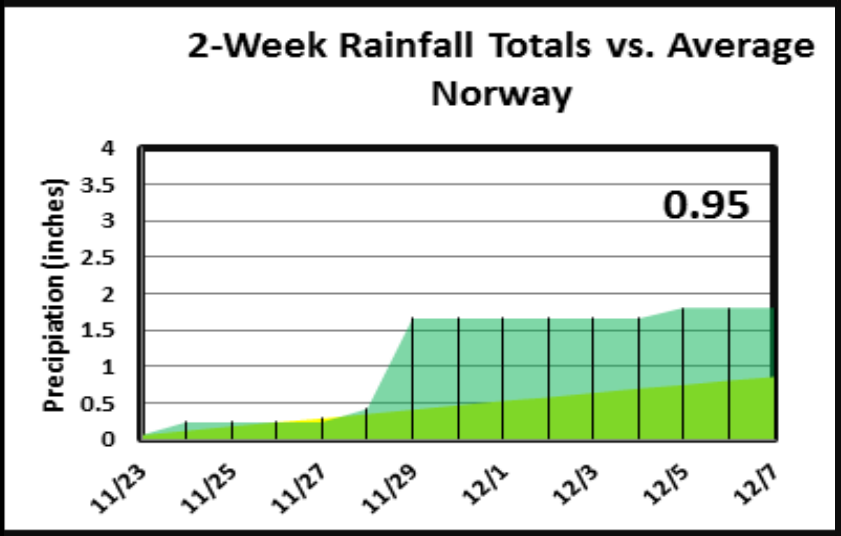


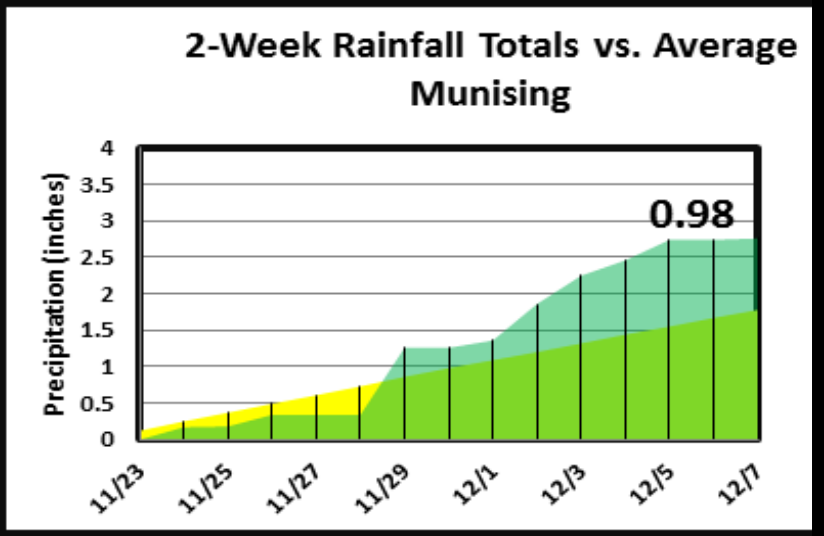
Observed Accumulation | Normal Accumulation



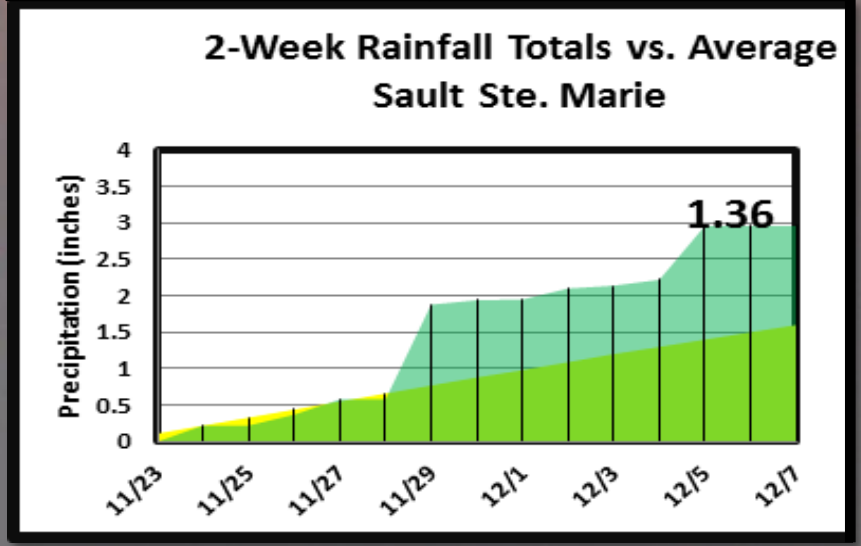
12/20/2016

2-Week Precipitation



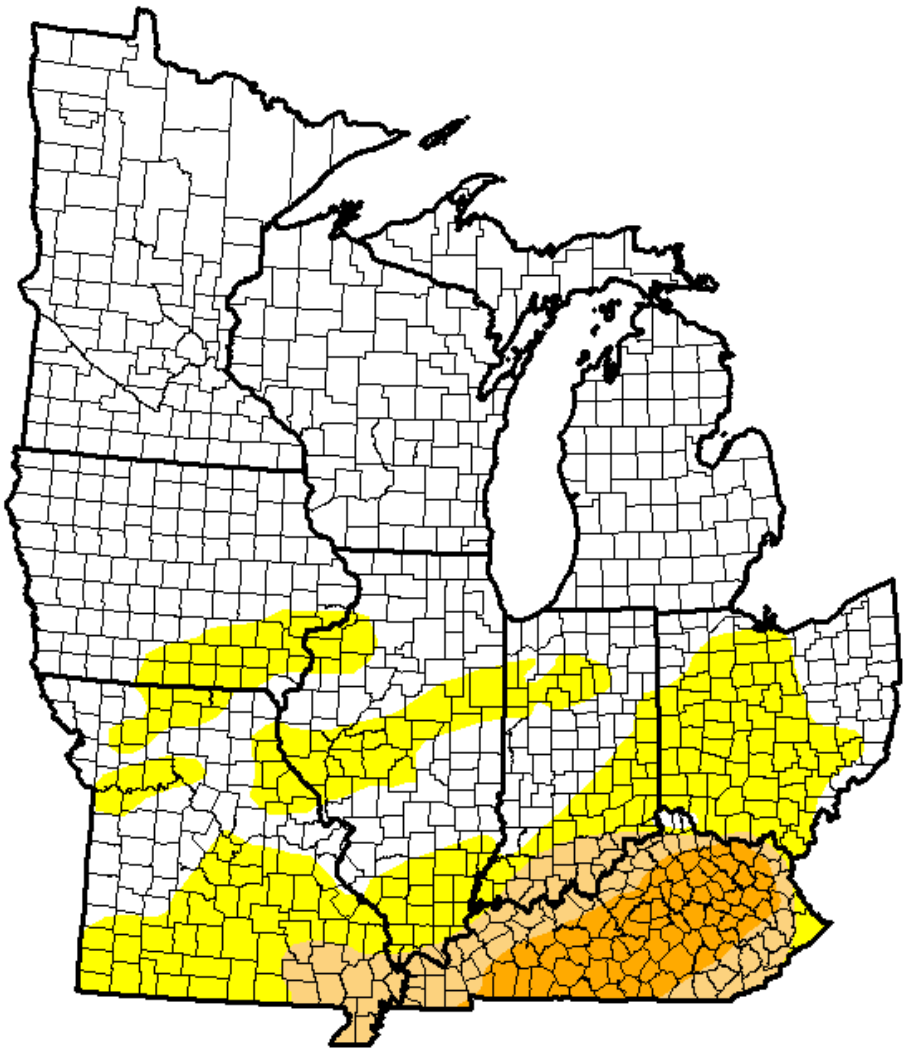


Observed Accumulation | Normal Accumulation



12/20/2016

U.S. Drought Monitor
Midwest



December 13, 2016

(Released Thursday, Dec. 15, 2016)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	68.56	31.44	10.17	4.52	0.00	0.00
Last Week 12/6/2016	68.44	31.56	10.64	6.64	0.50	0.00
3 Months Ago 9/13/2016	93.66	6.34	1.49	0.00	0.00	0.00
Start of Calendar Year 12/29/2015	88.07	11.93	2.35	0.00	0.00	0.00
Start of Water Year 9/27/2016	89.04	10.96	0.70	0.00	0.00	0.00
One Year Ago 12/15/2015	87.50	12.50	2.34	0.00	0.00	0.00

Intensity:

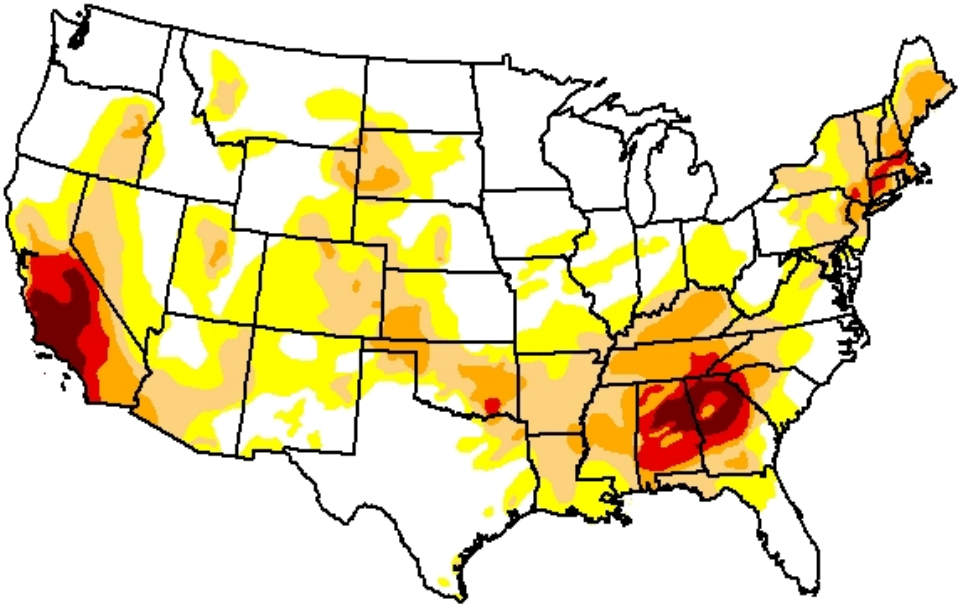
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

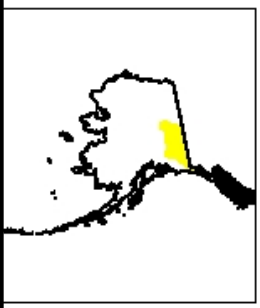
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

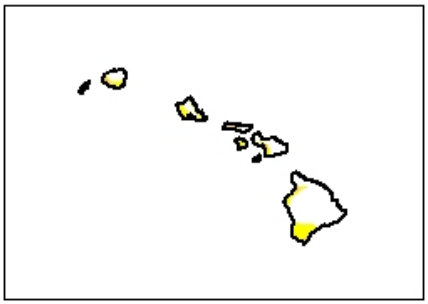
Author:
Anthony Artusa
NOAA/NWS/NCEP/CPC

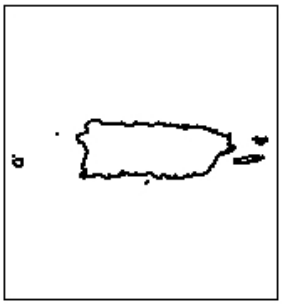
http://droughtmonitor.unl.edu/

U.S. Drought Monitor
Total U.S.









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Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	53.21	46.79	24.93	10.78	4.20	1.66
Last Week 12/6/2016	52.69	47.31	25.40	11.68	4.43	1.66
3 Months Ago 9/13/2016	63.05	36.95	15.33	6.45	2.39	0.92
Start of Calendar Year 12/29/2015	70.64	29.36	15.70	9.67	5.25	2.26
Start of Water Year 9/27/2016	61.21	38.79	15.85	6.77	2.67	0.97
One Year Ago 12/15/2015	69.32	30.68	16.42	10.97	5.51	2.26

Intensity:

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