

National Weather Service

Billings, MT

Logan Torgerson

Weather Forecast Office

Billings, MT

Thursday, October 17

October 17th Fire Weather

Weekly Briefing

For South-Central and Southeast
Montana, and North-Central Wyoming

NWS Billings Office
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Key Points - Next 7 Days

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Billings, MT
Thursday, October 17

- **Precipitation continues today before coming to an end tomorrow afternoon**
- **MinRH values in the high 20s and 30s common**
- **Next chance for precipitation early next week**
- **Winds calm down Friday before picking up next week, especially along the Beartooth foothills**



7-Day Observed Precipitation

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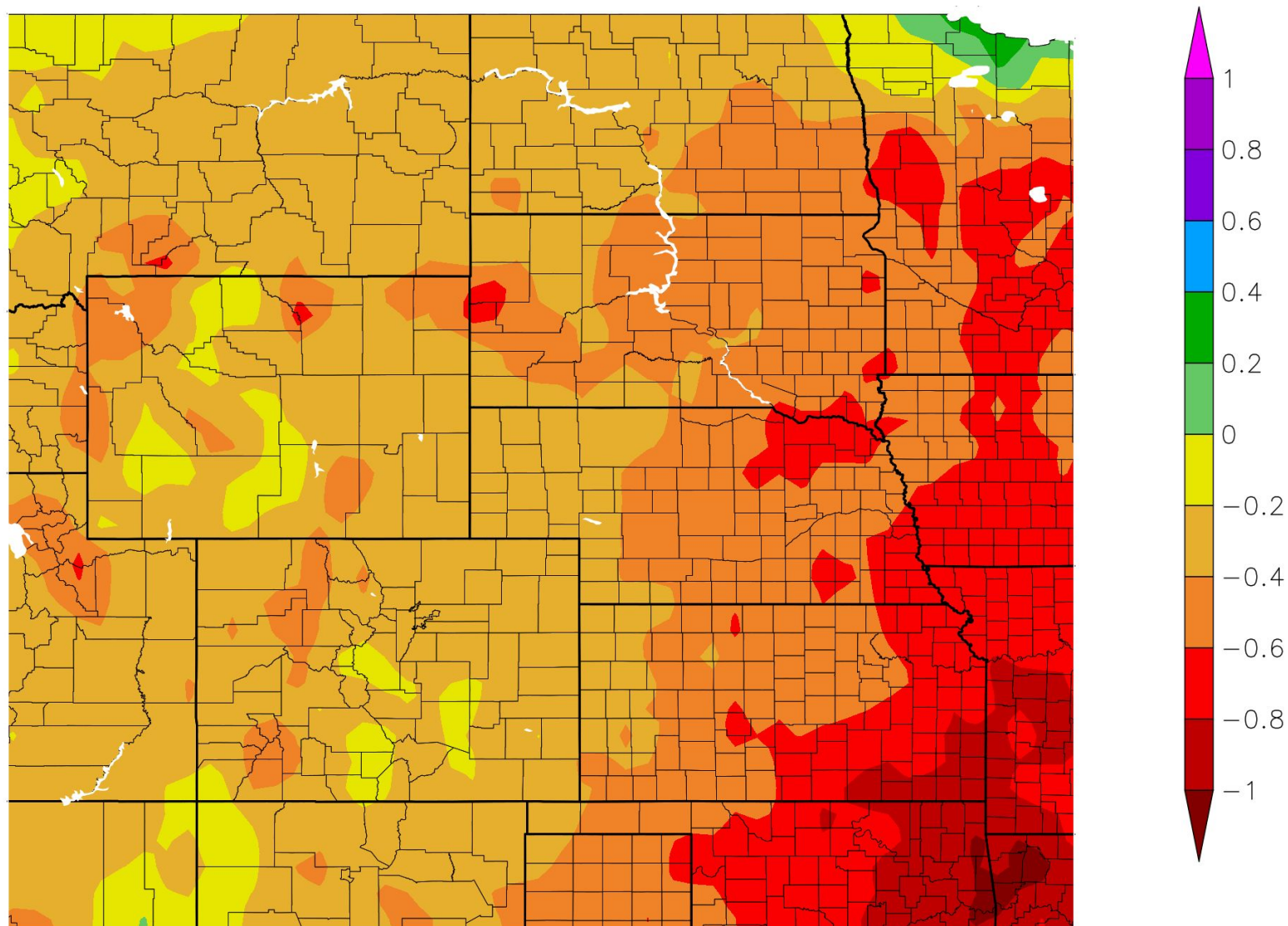


Departure from Normal - Last 7 Days

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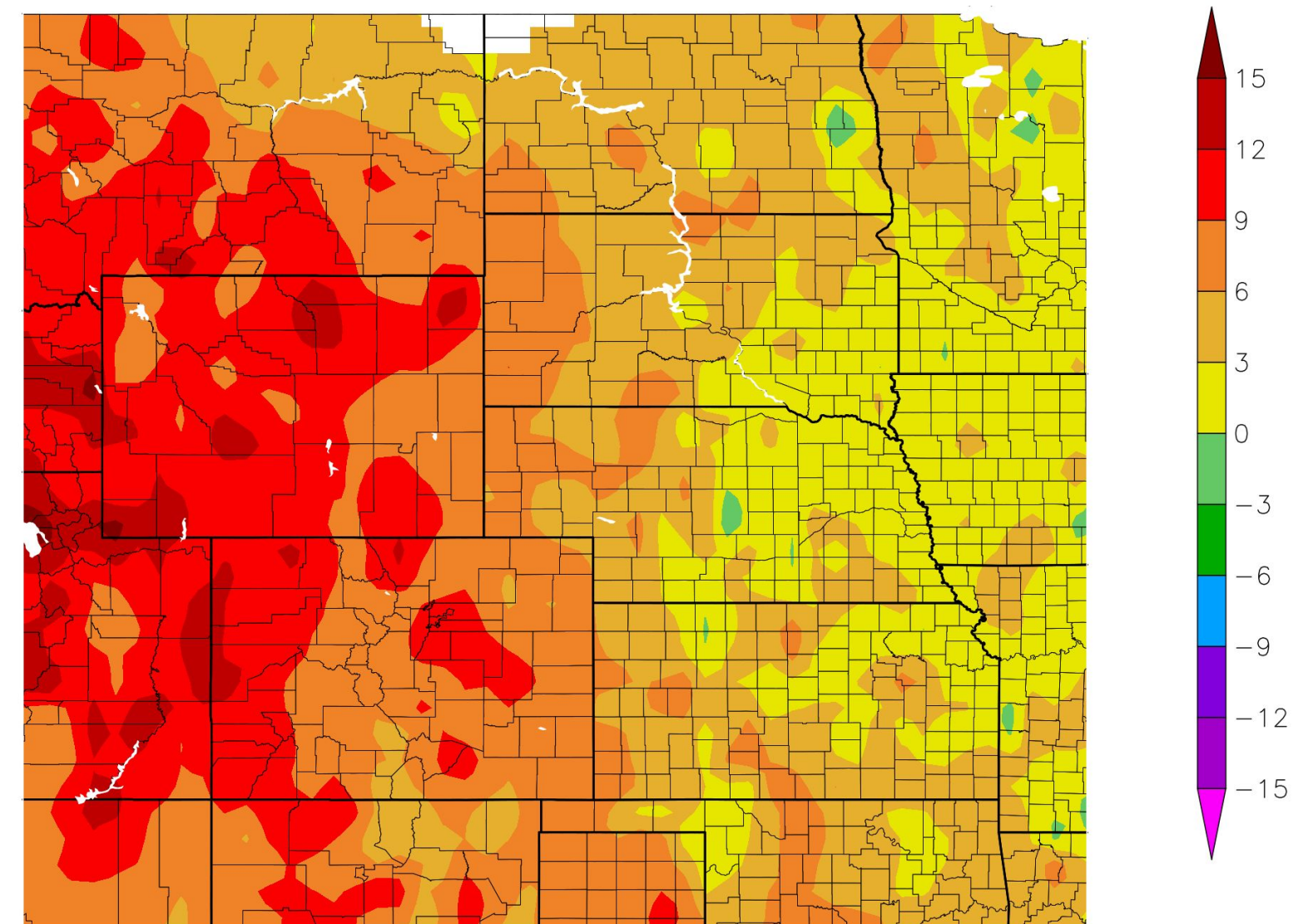
Precipitation

Departure from Normal Precipitation (in)
10/10/2024 – 10/16/2024



Temperature

Departure from Normal Temperature (F)
10/10/2024 – 10/16/2024



Generated 10/17/2024 at HPRCC using provisional data.

NOAA Regional Climate Centers

Generated 10/17/2024 at HPRCC using provisional data.

NOAA Regional Climate Centers

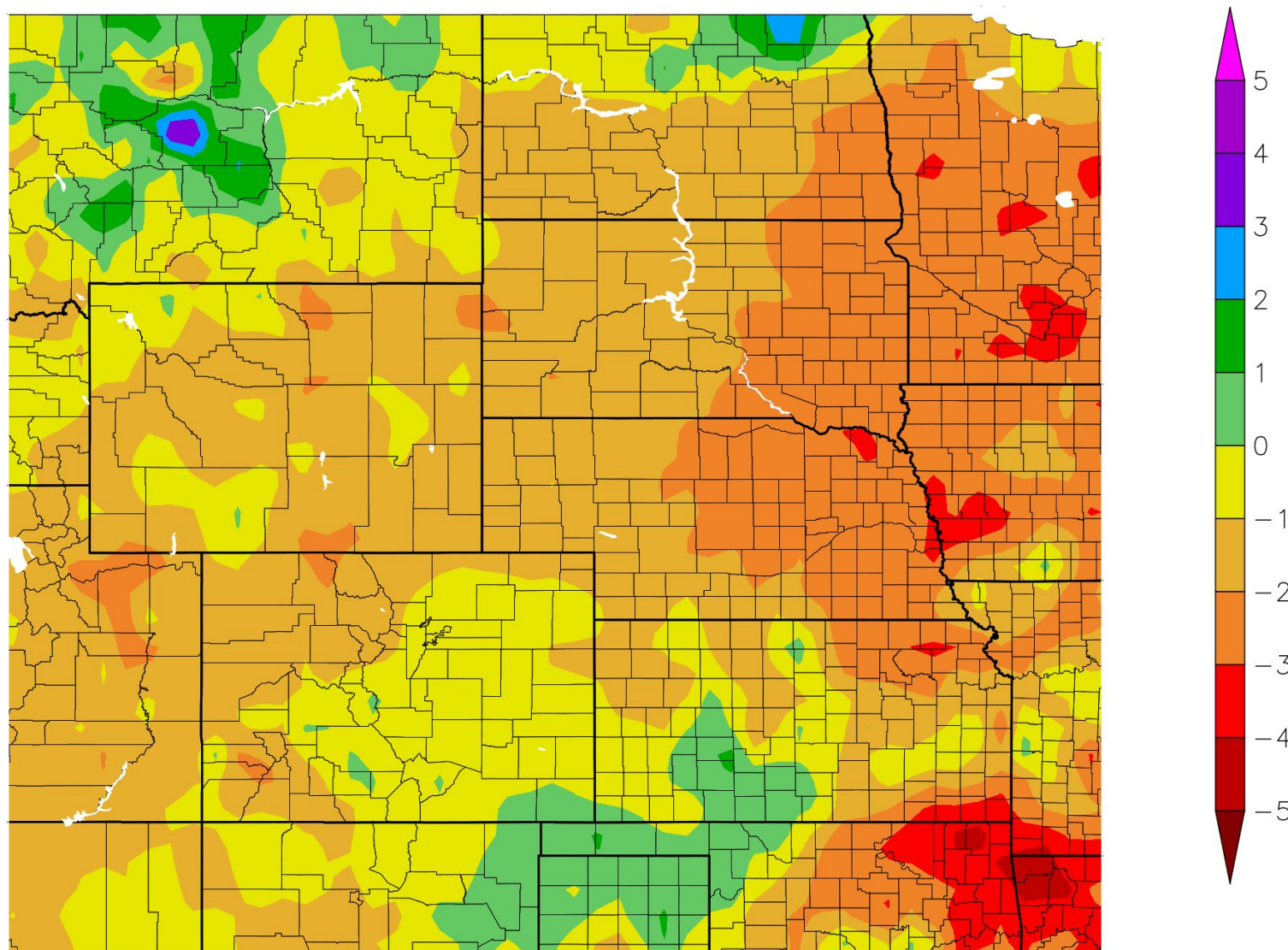


Departure from Normal - Last 30 Days

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Precipitation

Departure from Normal Precipitation (in)
9/17/2024 – 10/16/2024

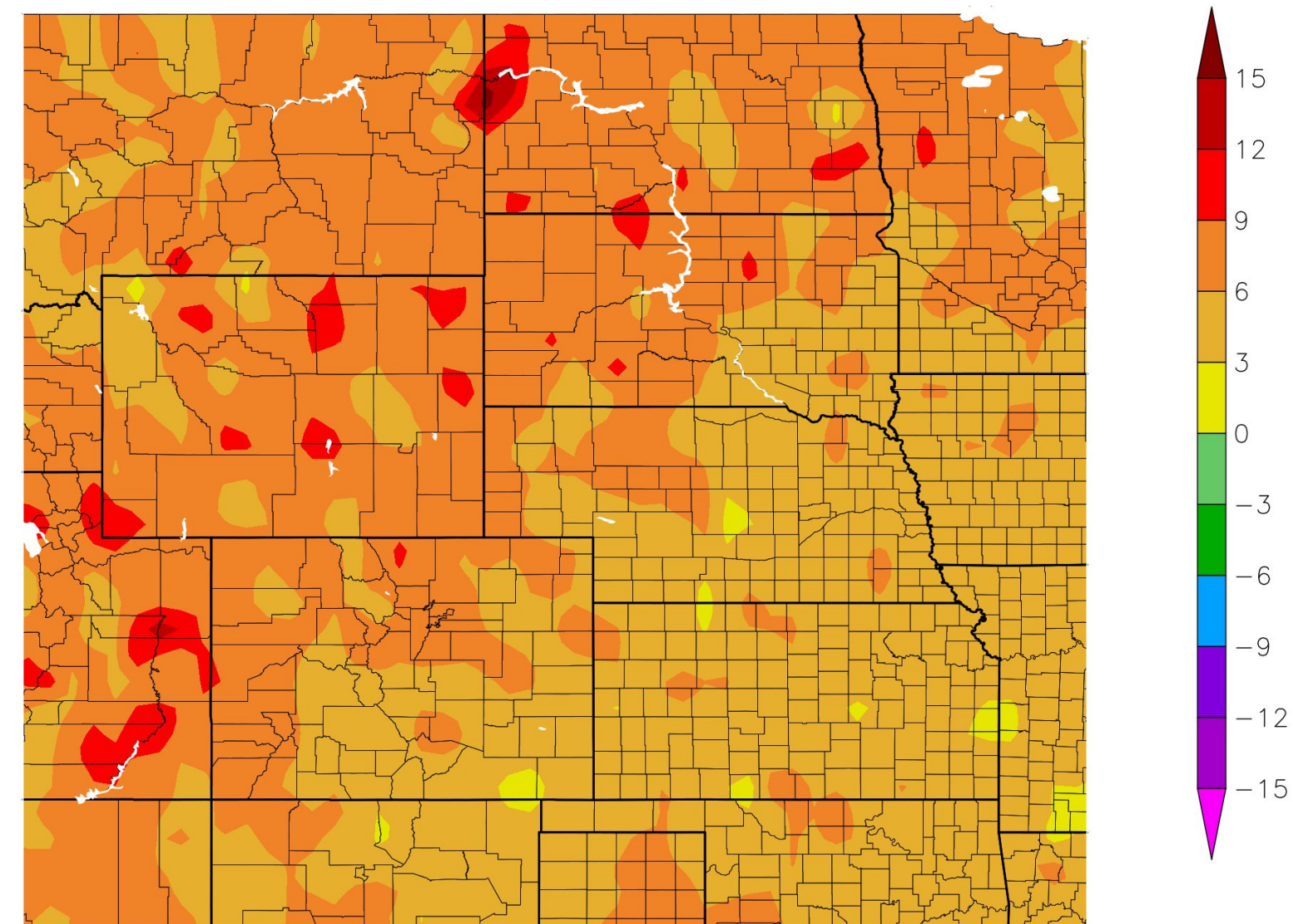


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NOAA Regional Climate Centers

Temperature

Departure from Normal Temperature (F)
9/17/2024 – 10/16/2024



Generated 10/17/2024 at HPRCC using provisional data.

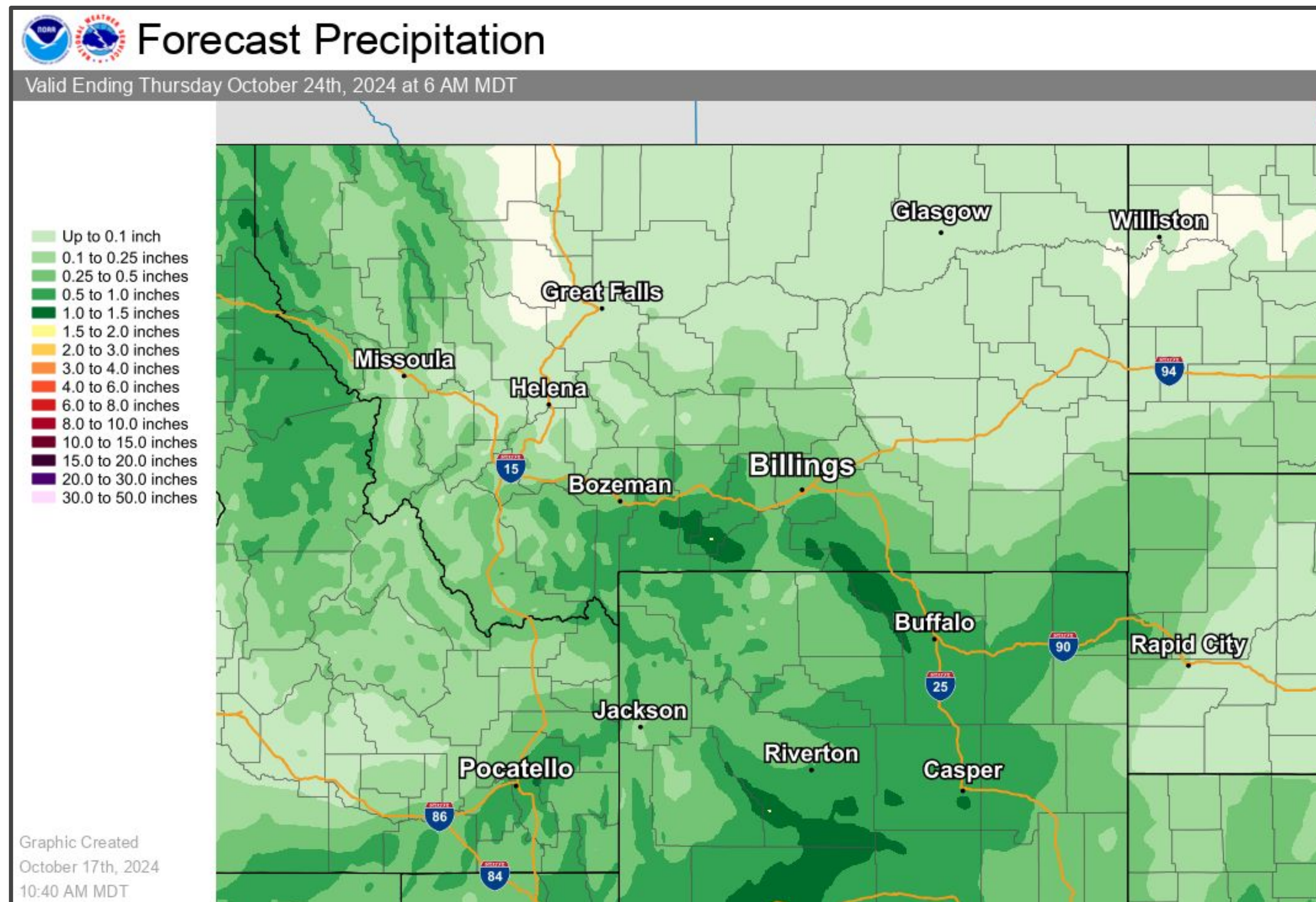
NOAA Regional Climate Centers

7-Day Forecast Precipitation

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This map denotes a general precipitation forecast. Thunderstorms will cause varied amounts for any given location.

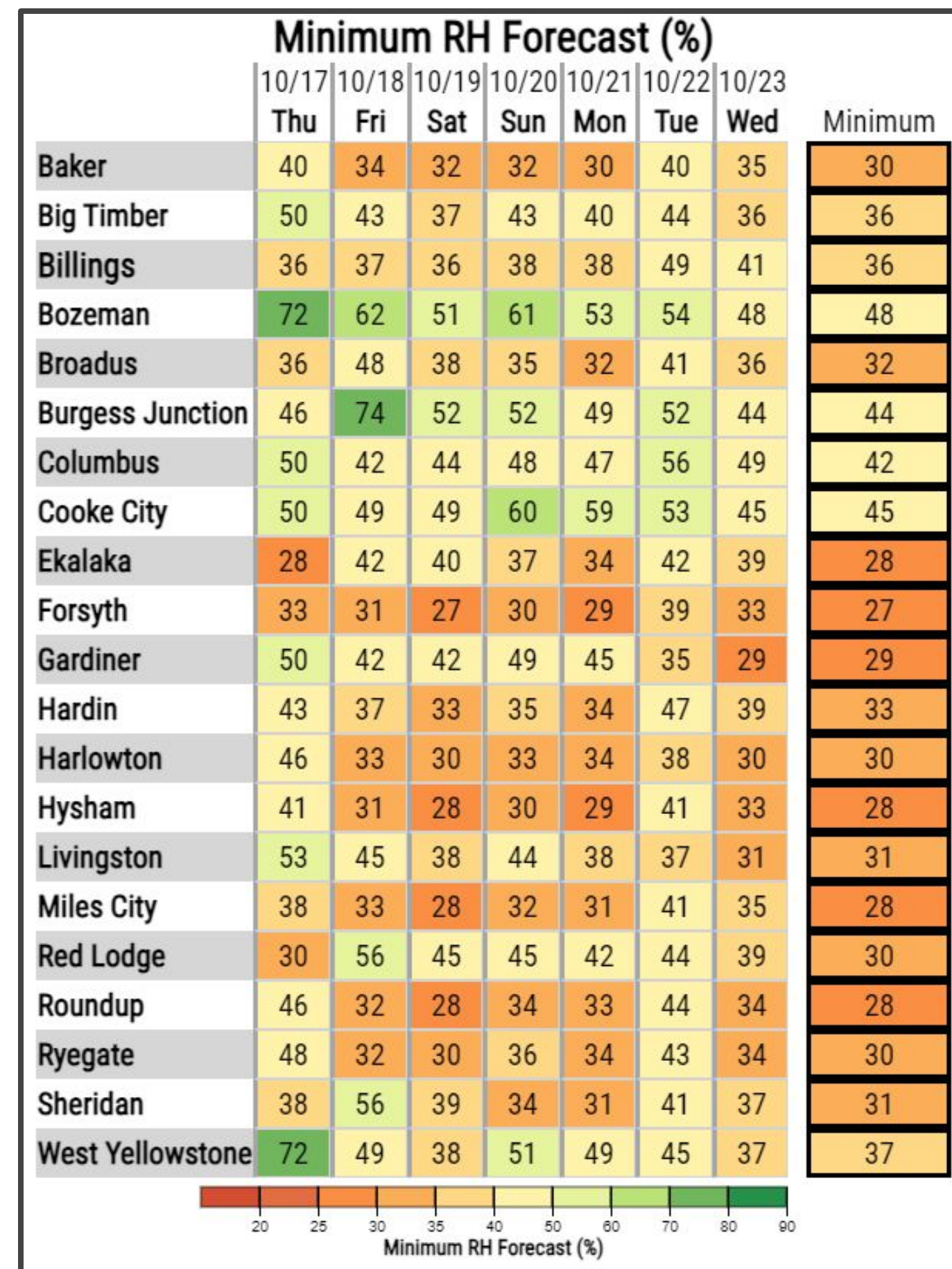
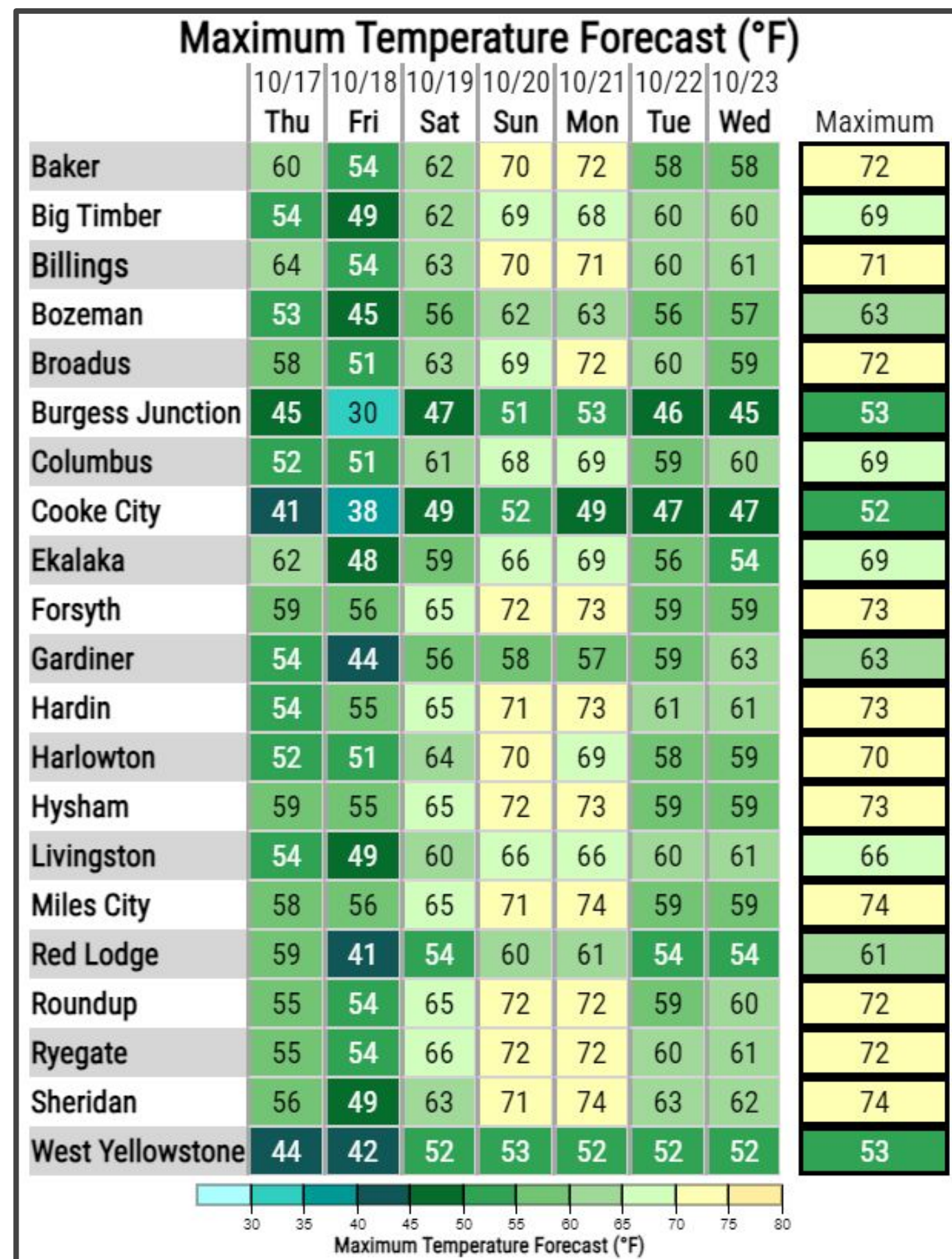
- Precipitation comes to an end Friday
- Amounts afterward expected to be light





7-Day Temperature and Humidity Forecast

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7-Day Precipitation & Wind Gust Forecast

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Probability of Precipitation Forecast (%)

	10/17	10/18	10/19	10/20	10/21	10/22	10/23	Maximum
	Thu	Fri	Sat	Sun	Mon	Tue	Wed	
Baker	45	25	0	0	10	30	30	43
Big Timber	95	45	0	0	35	30	10	95
Billings	95	30	0	0	20	30	15	95
Bozeman	100	65	0	0	35	20	10	98
Broadus	55	50	0	0	10	30	15	54
Burgess Junction	100	100	0	0	15	35	25	99
Columbus	95	45	0	0	25	30	15	95
Cooke City	95	75	0	0	25	25	15	97
Ekalaka	50	40	0	0	10	35	25	48
Forsyth	75	20	0	0	35	35	20	75
Gardiner	95	80	0	0	20	15	10	95
Hardin	95	35	0	0	20	30	20	96
Harlowton	80	15	0	0	40	30	10	78
Hysham	85	20	0	0	30	40	20	85
Livingston	95	75	0	0	35	25	10	96
Miles City	60	10	0	0	30	35	20	60
Red Lodge	95	90	0	0	20	25	15	95
Roundup	80	15	0	0	40	40	15	78
Ryegate	80	15	0	0	40	35	15	80
Sheridan	95	90	0	0	10	30	20	96
West Yellowstone	100	75	0	0	20	20	10	100

20 30 40 50 60 70 80 90
Probability of Precipitation Forecast (%)

Maximum Wind Gust Forecast & Direction (mph)

	10/17	10/18	10/19	10/20	10/21	10/22	10/23
	Thu	Fri	Sat	Sun	Mon	Tue	Wed
Baker	31↘	15↘	24↗	18↗	18→	20↘	20↗
Big Timber	33→	12→	22↗	20↗	32↗	18→	17↗
Billings	16↘	12↘	21↗	16↗	16↗	13→	12→
Bozeman	18↘	10→	12↗	15↘	20↗	15→	13→
Broadus	24↘	12↘	16↗	14↗	12→	14↘	13→
Burgess Junction	29↗	25↘	17↗	14↗	17↗	22↗	18↗
Columbus	21↘	16↘	18↗	16↗	17↗	13↘	13↗
Cooke City	31↗	22↘	12→	14↗	26↗	28↗	22→
Ekalaka	29↘	15↘	22↗	20↗	16→	17↘	18↗
Forsyth	24↘	7↘	15↗	12→	14→	13↘	13→
Gardiner	18↘	21↘	9↗	12↗	18↗	17↗	13↗
Hardin	15↘	9→	13↗	9→	13→	13↘	12→
Harlowton	30↘	14↘	28→	22→	24→	21→	21→
Hysham	25↘	8↘	17↗	13→	15→	13↘	13→
Livingston	28→	12→	21↗	22↗	37↗	21↗	18↗
Miles City	24↘	7↘	17↗	10→	15→	15↘	13→
Red Lodge	23↘	23↘	16↗	16↗	20↗	16↗	14↗
Roundup	22↘	10↘	24↗	17↗	16↗	13→	14↗
Ryegate	24↘	12→	20↗	14↗	18→	14→	15→
Sheridan	26↘	14↘	8↘	8↘	12↗	13↘	10↘
West Yellowstone	24↗	25↘	8↘	12↗	24↗	24↗	17↗

20 25 30 35 40 45 50 60 70 80
Maximum Wind Gust Forecast & Direction (mph)



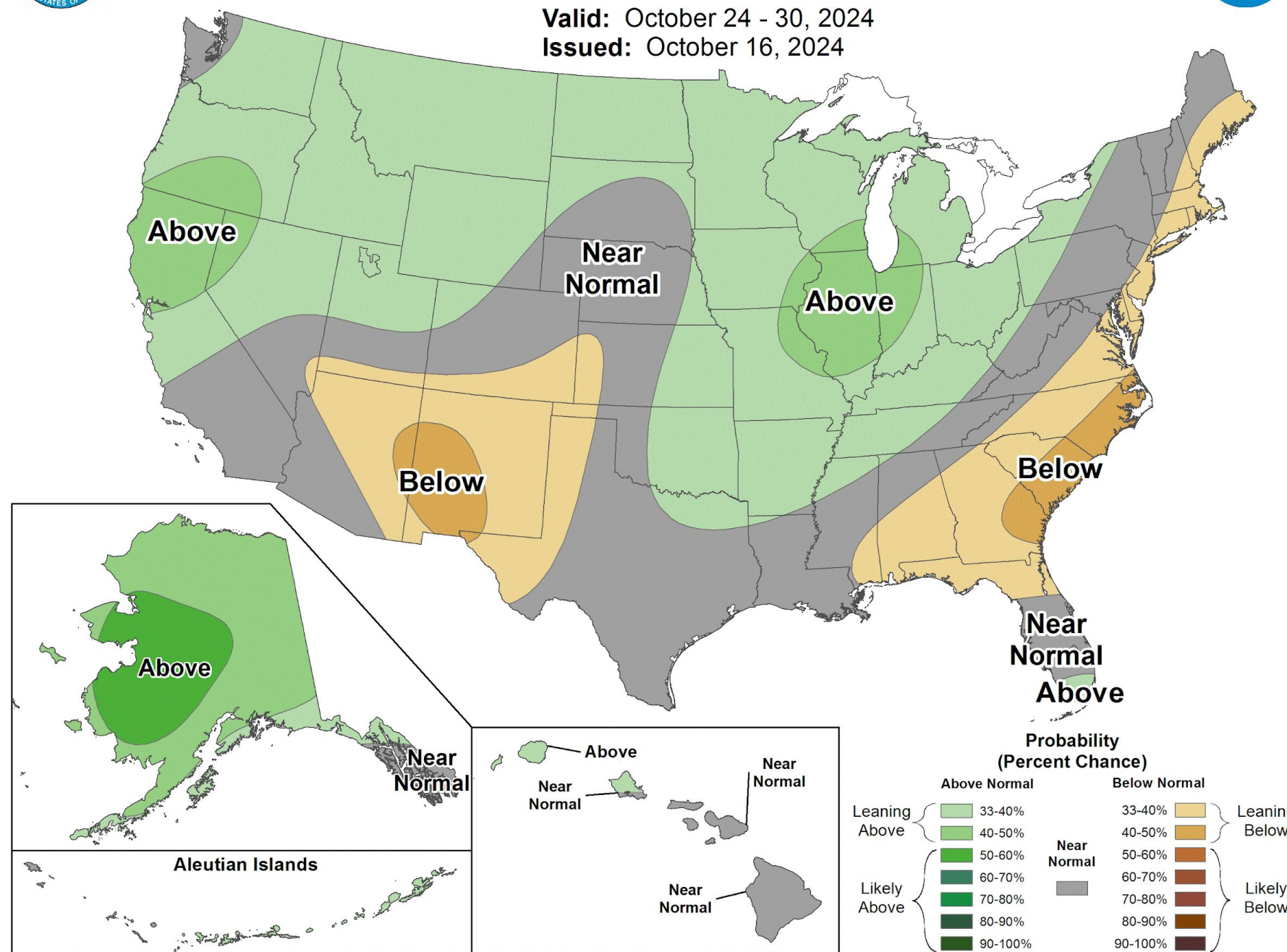
8-14 Day Precip/Temp Outlook

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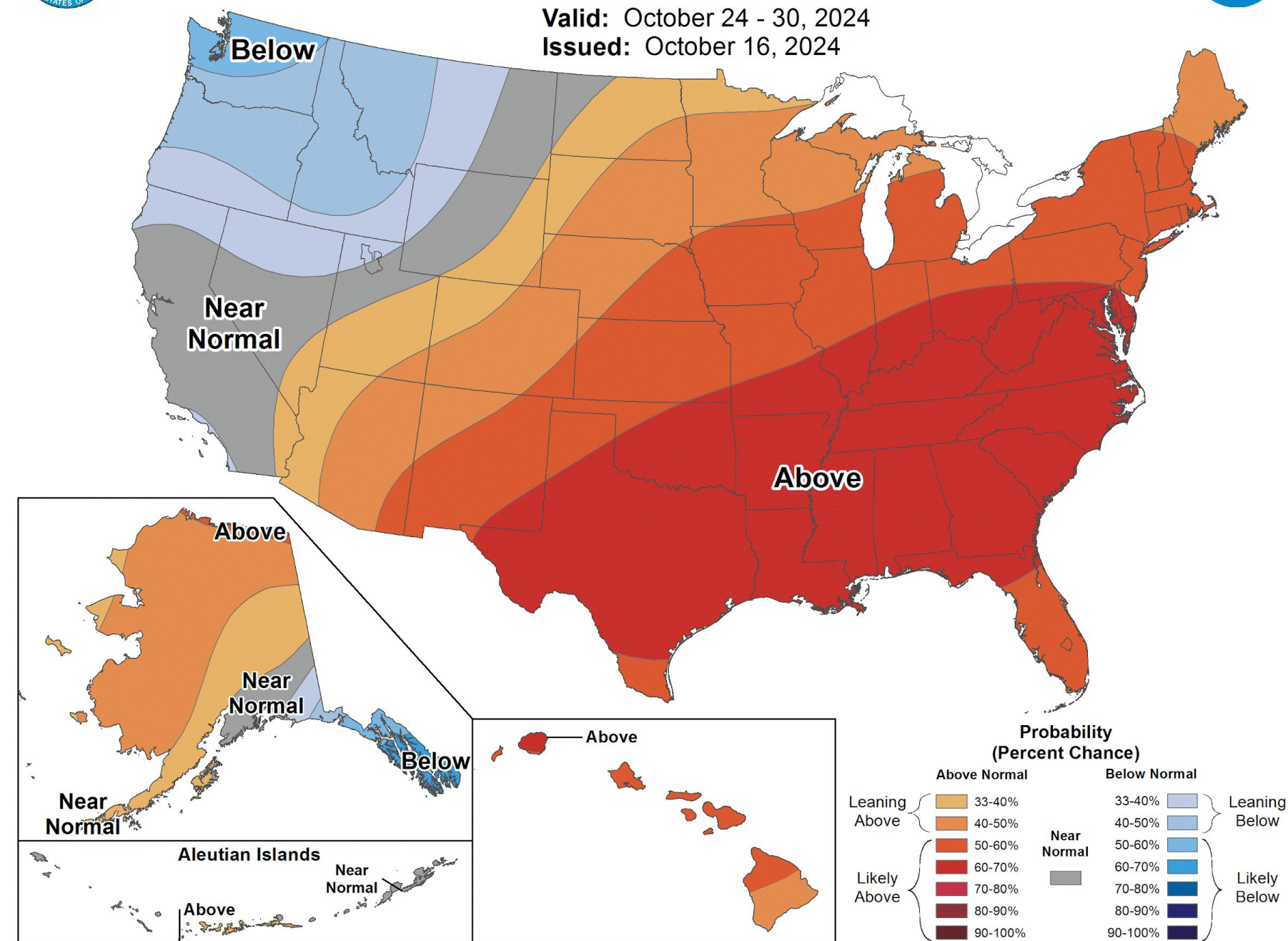
8-14 Day Precipitation Outlook

Valid: October 24 - 30, 2024
Issued: October 16, 2024



8-14 Day Temperature Outlook

Valid: October 24 - 30, 2024
Issued: October 16, 2024





Summary

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