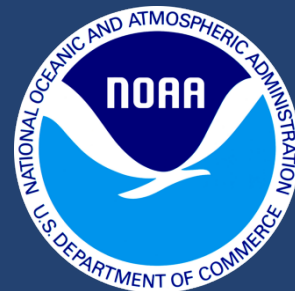


Pacific Northwest DEWS

October 23, 2017



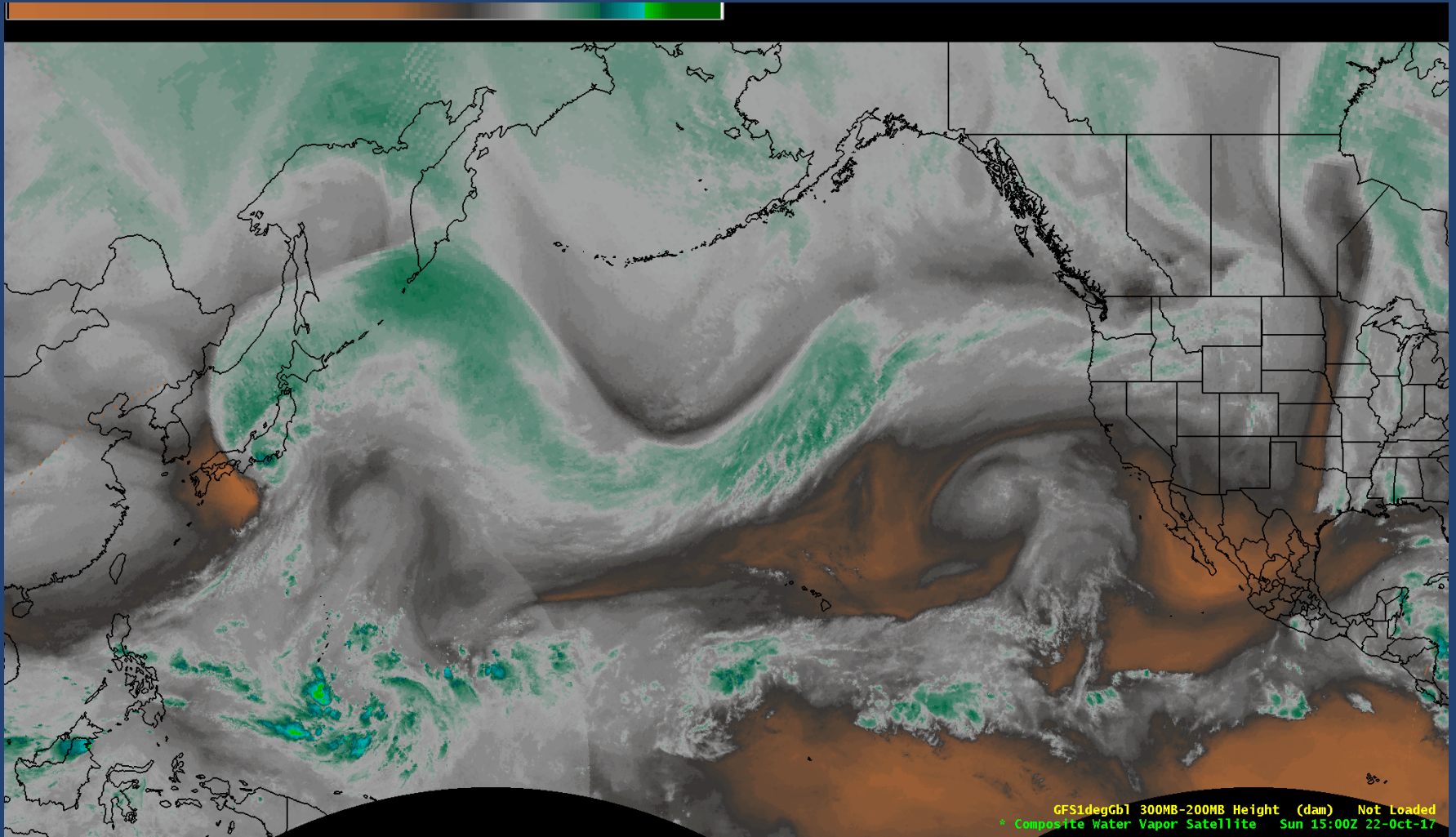
Troy Lindquist
Service Hydrologist
National Weather Service



Overview

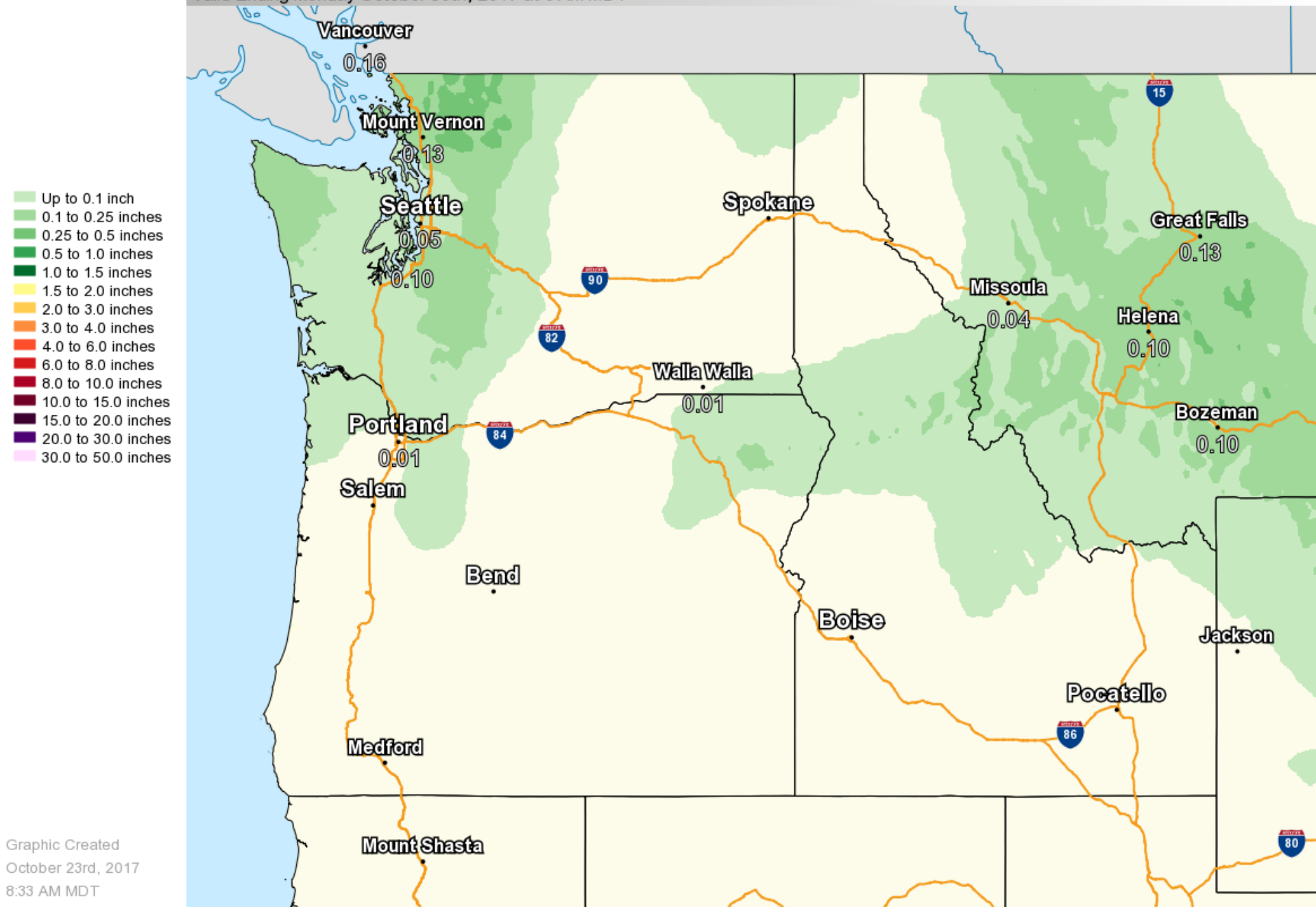
- Outlook for next 2 weeks
- ENSO Update
- Long Range Outlook

Satellite - Water Vapor Loop



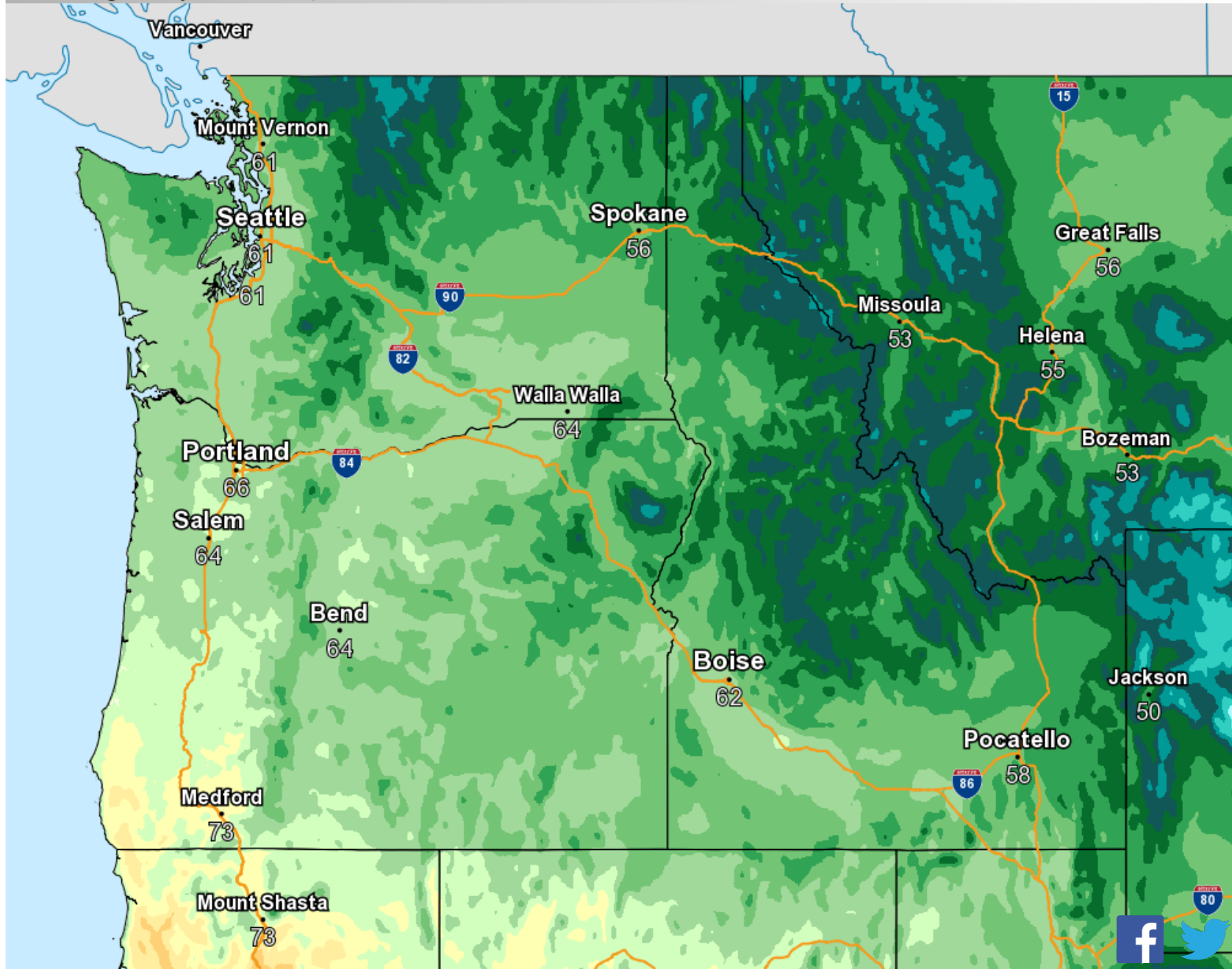
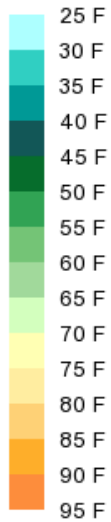
Forecast Precipitation

Valid Ending Monday October 30th, 2017 at 6 AM MDT



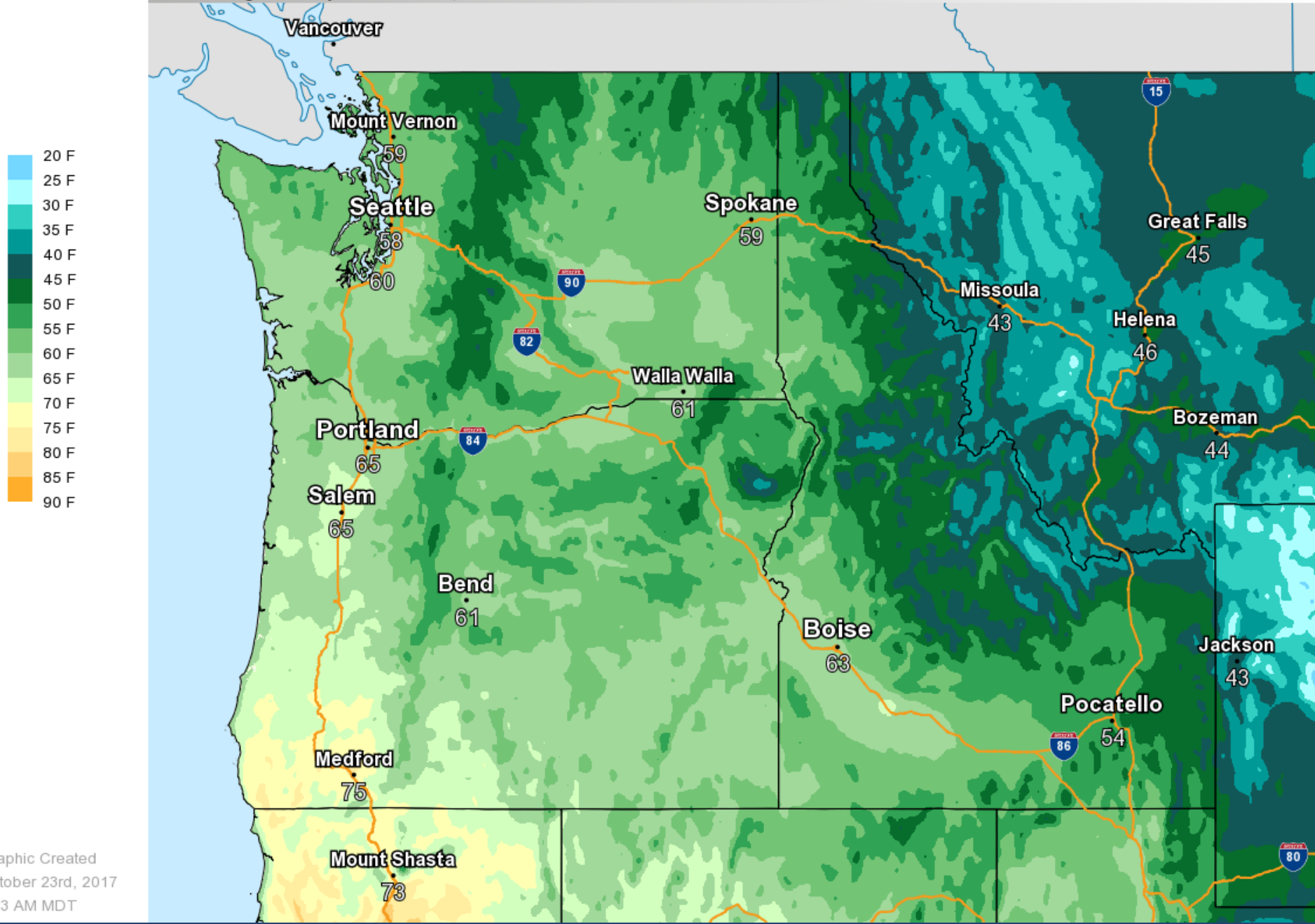
High Temperature Forecast

Valid Ending Monday October 23rd, 2017 at 6 PM MDT



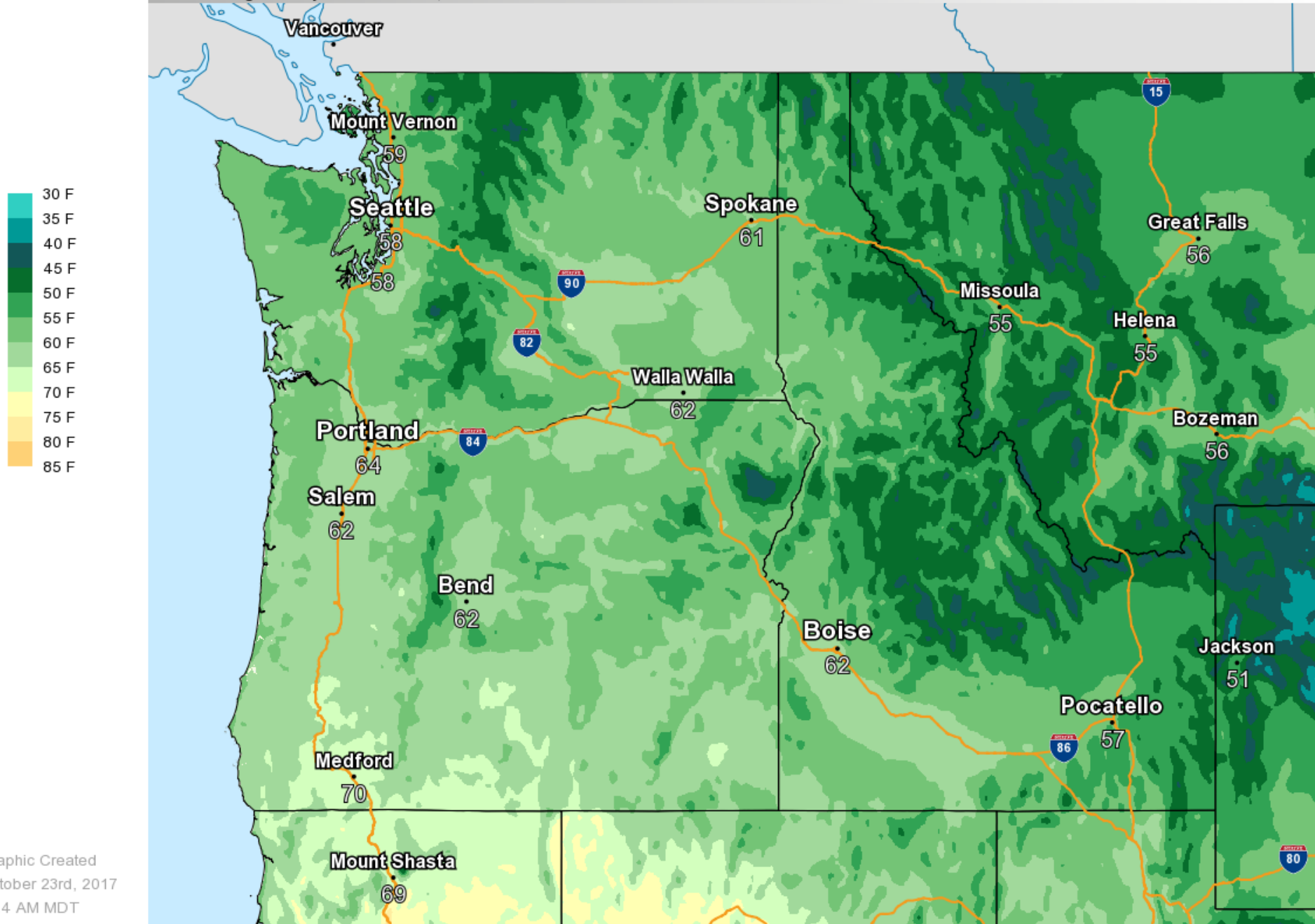
High Temperature Forecast

Valid Ending Thursday October 26th, 2017 at 6 PM MDT

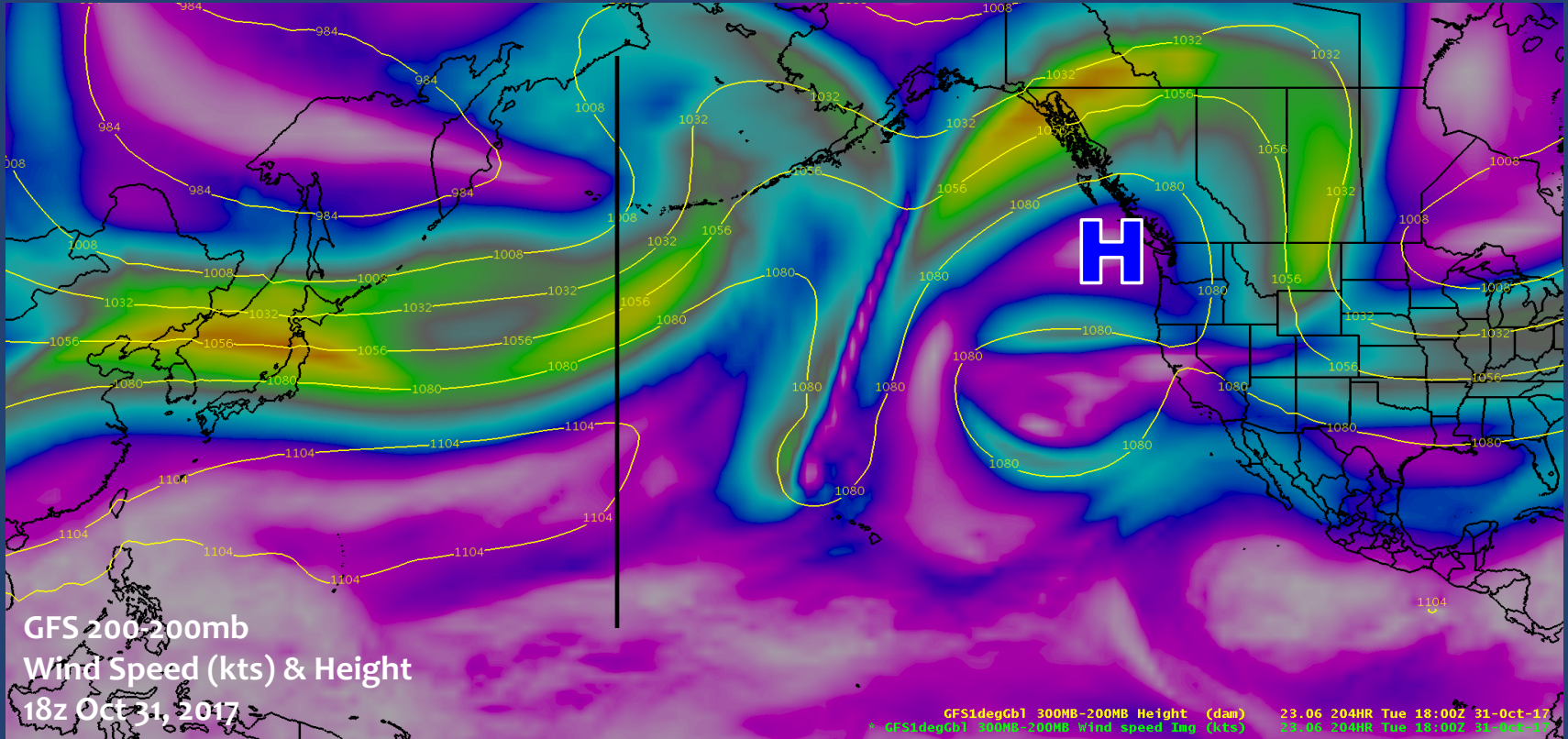


High Temperature Forecast

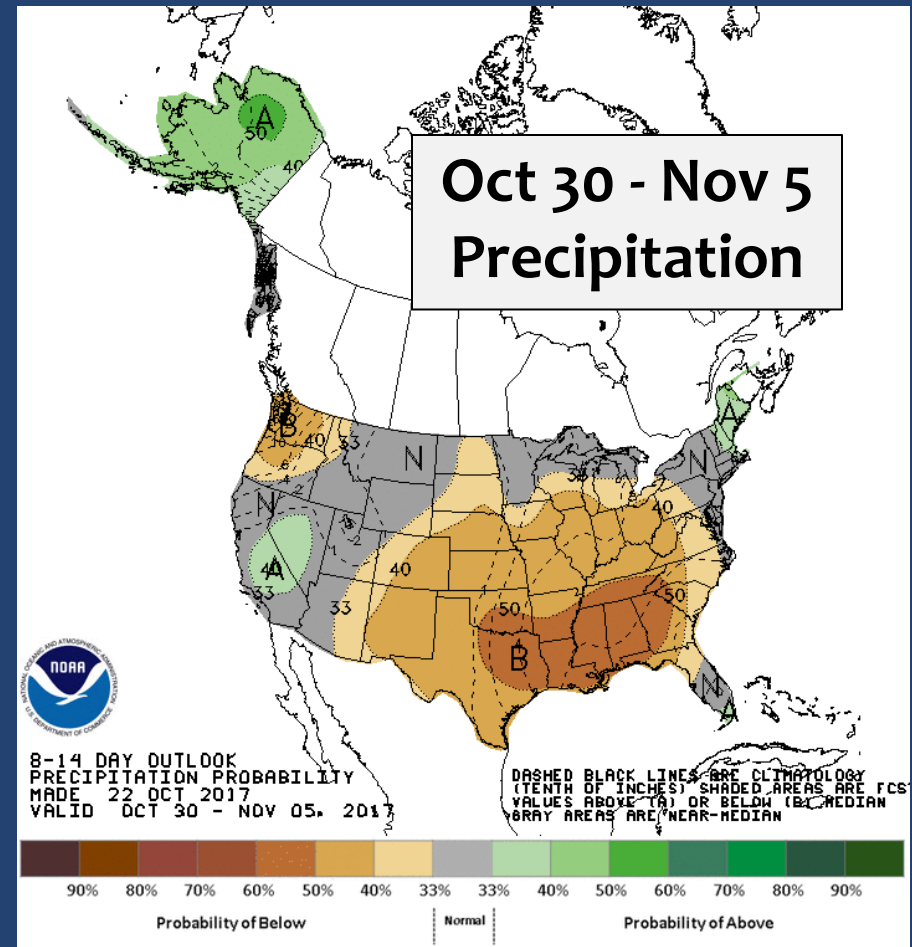
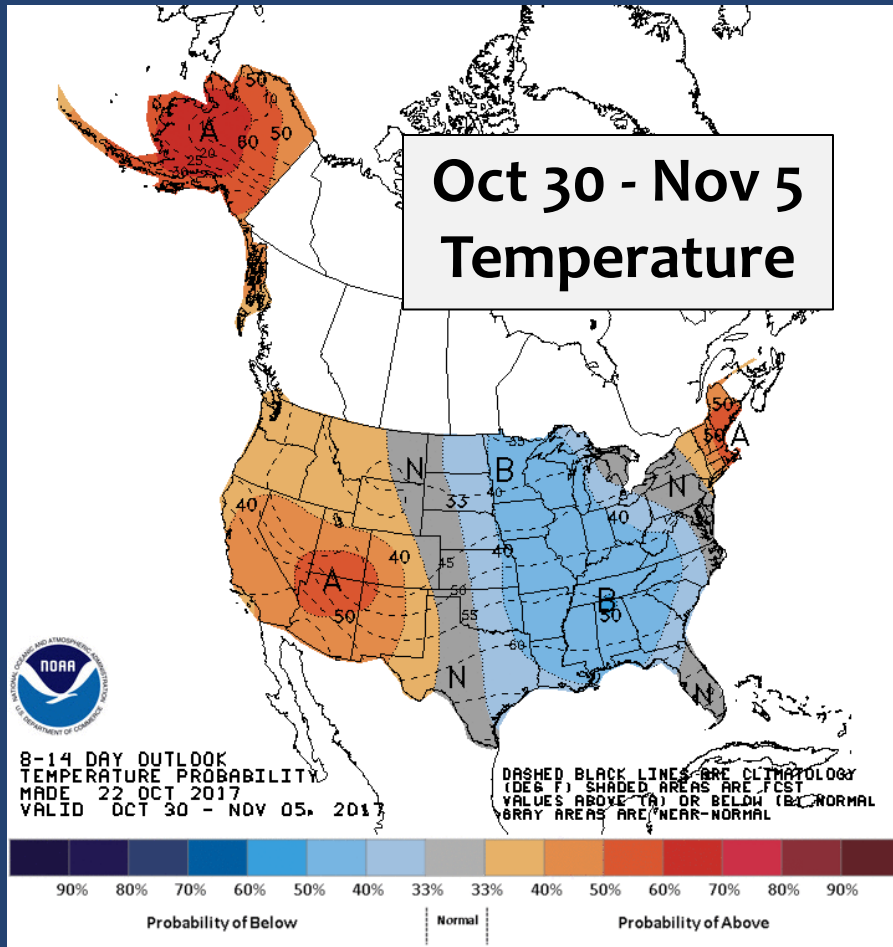
Valid Ending Sunday October 29th, 2017 at 6 PM MDT



Early November Jetstream?



8-14 Day Outlook



ENSO Status Summary

ENSO Alert System Status: La Niña Watch

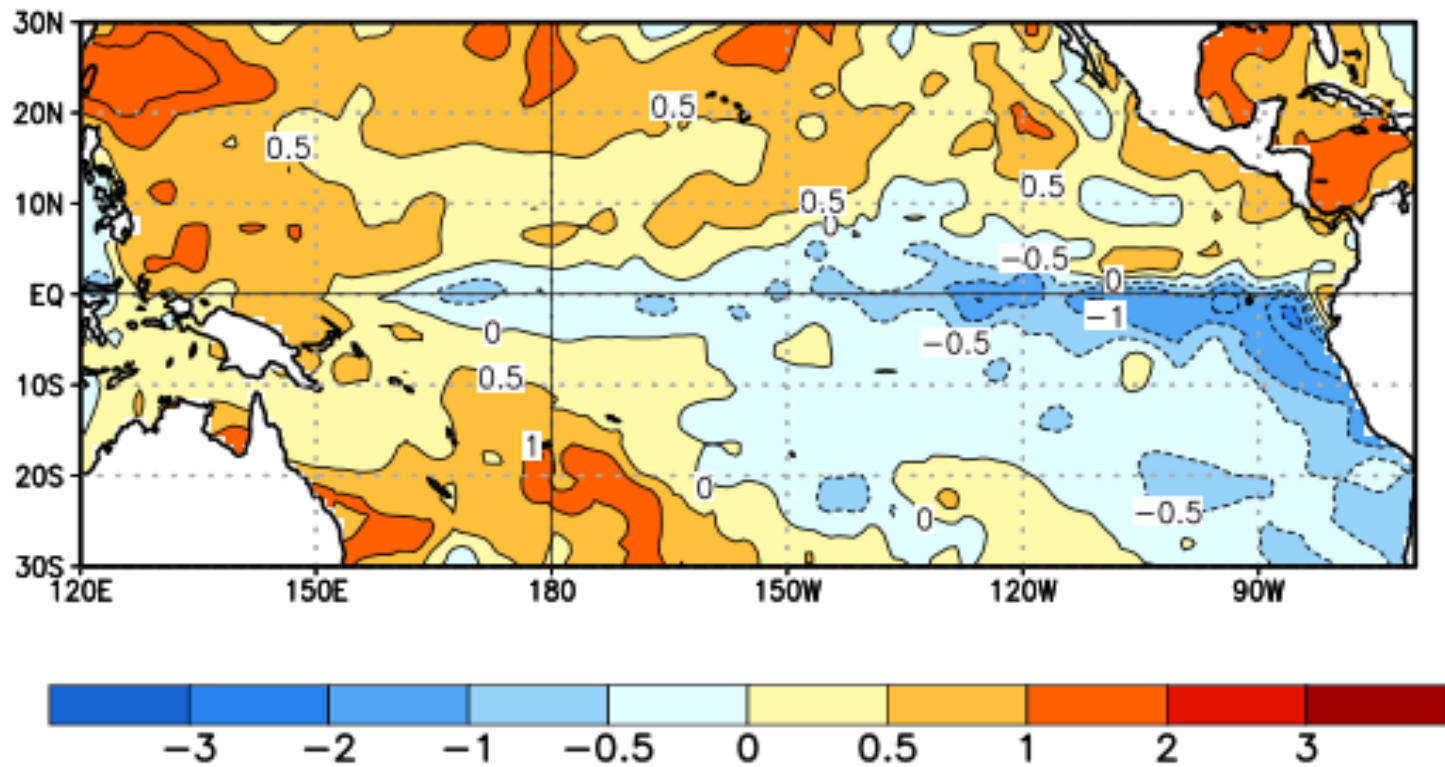
ENSO-Neutral conditions are present.

Equatorial sea surface temperatures (SSTs) are near-to-below average across the central and eastern Pacific Ocean.

La Niña conditions are favored (~55%-65%) during the Northern Hemisphere fall and winter 2017-18.

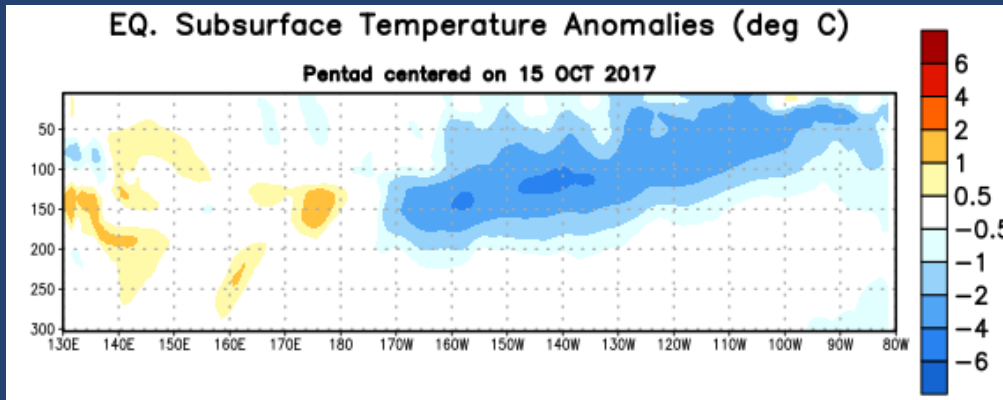
ENSO Status

Average SST Anomalies
24 SEP 2017 – 21 OCT 2017

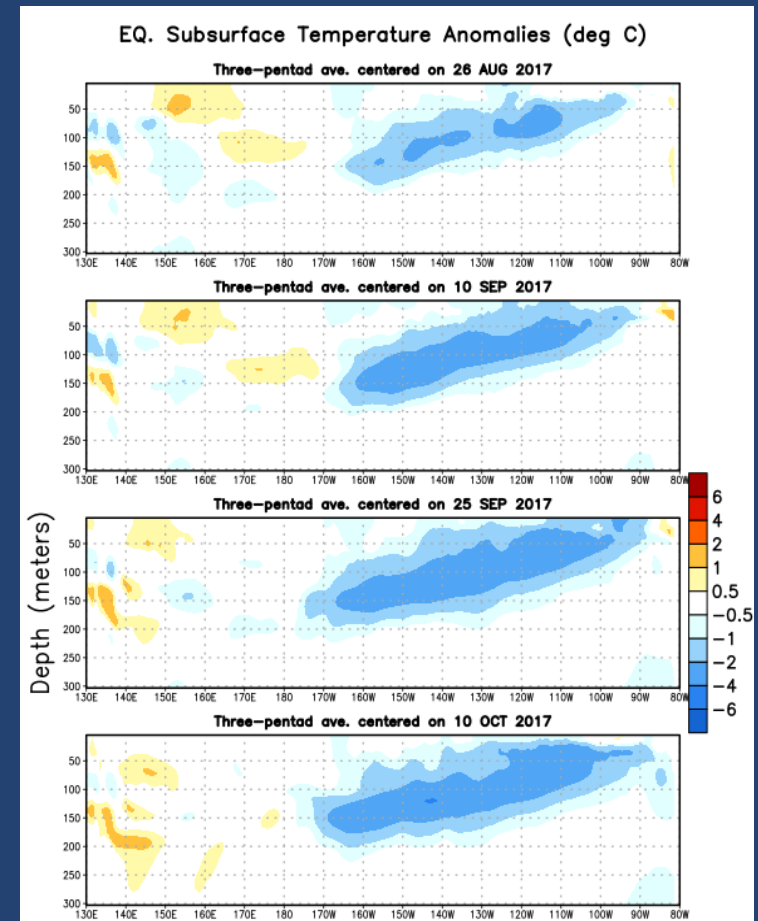


ENSO Status

In the last two months, negative subsurface temperature anomalies have expanded across the Pacific Ocean.



Recently, the strongest negative anomalies are between 170°W-90°W.



ENSO Status

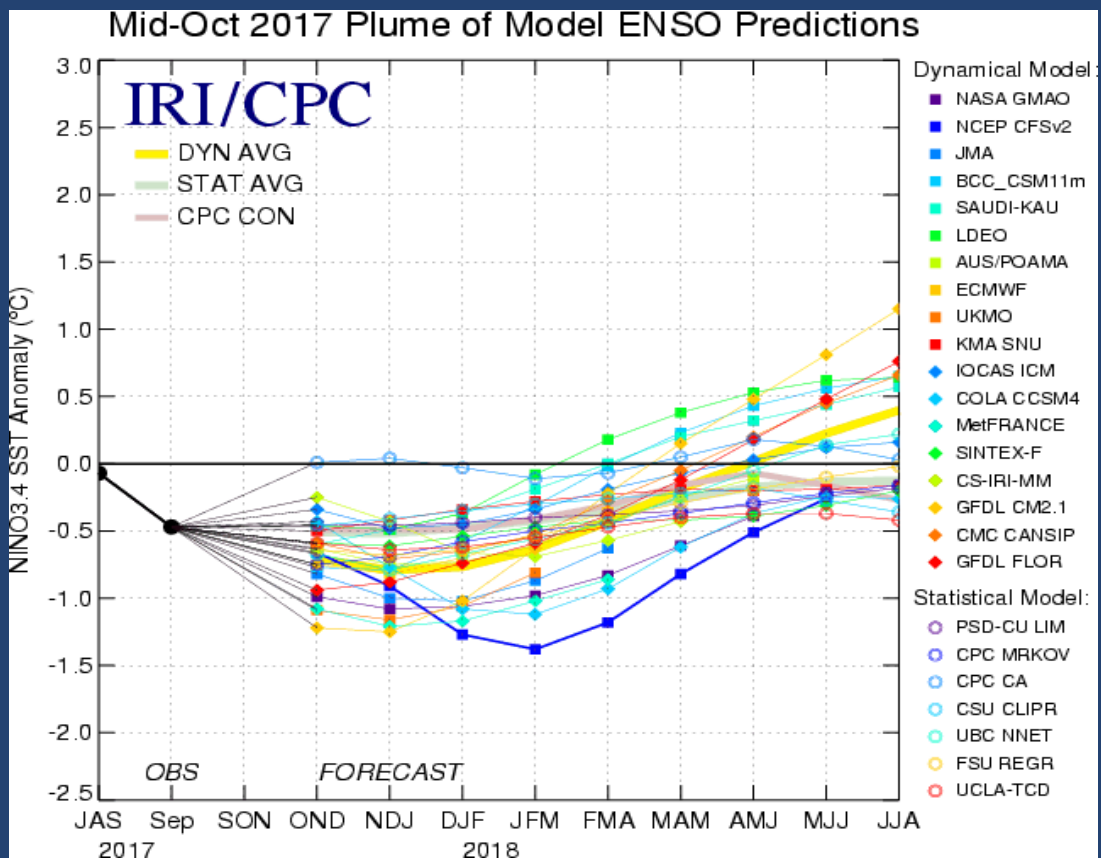
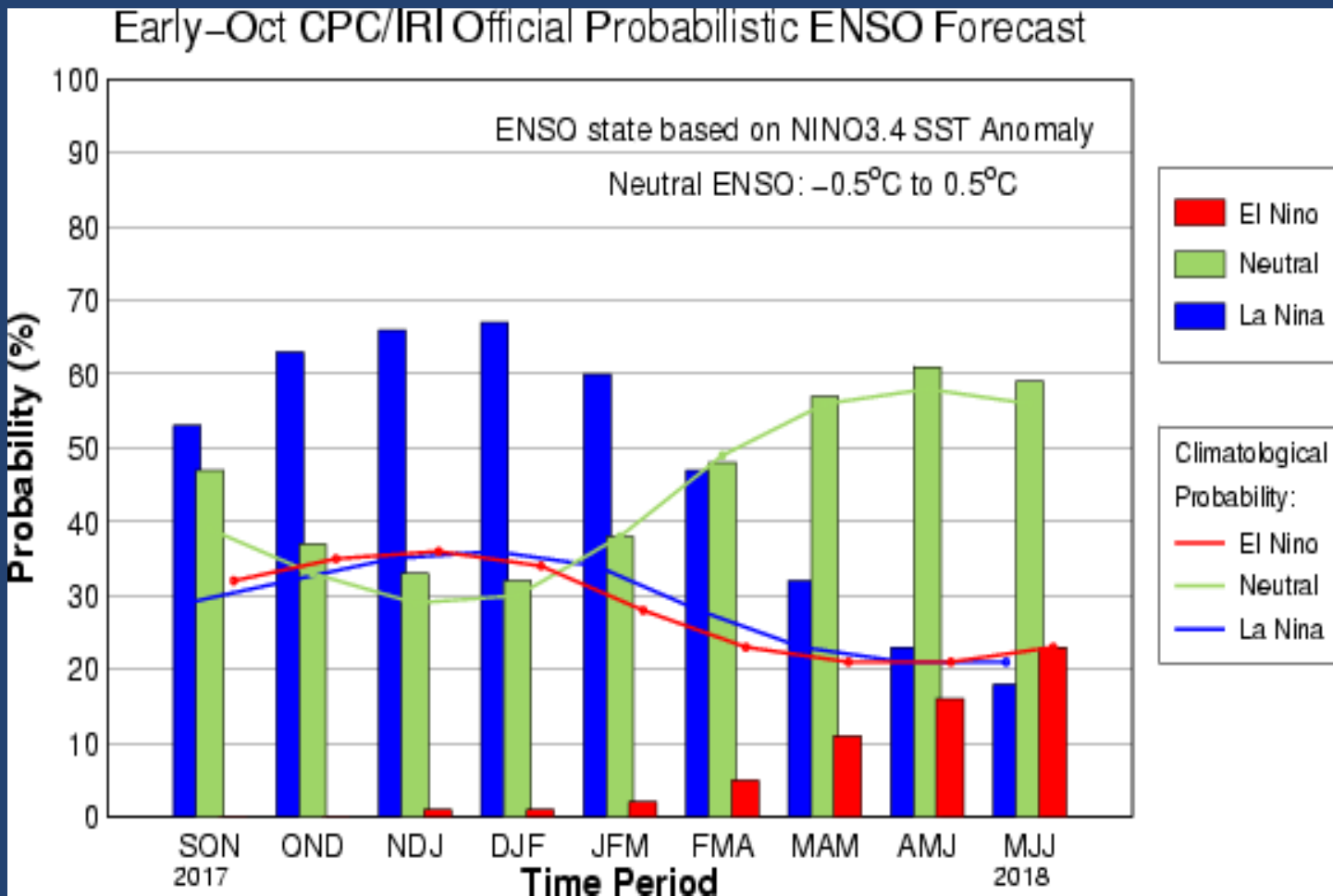
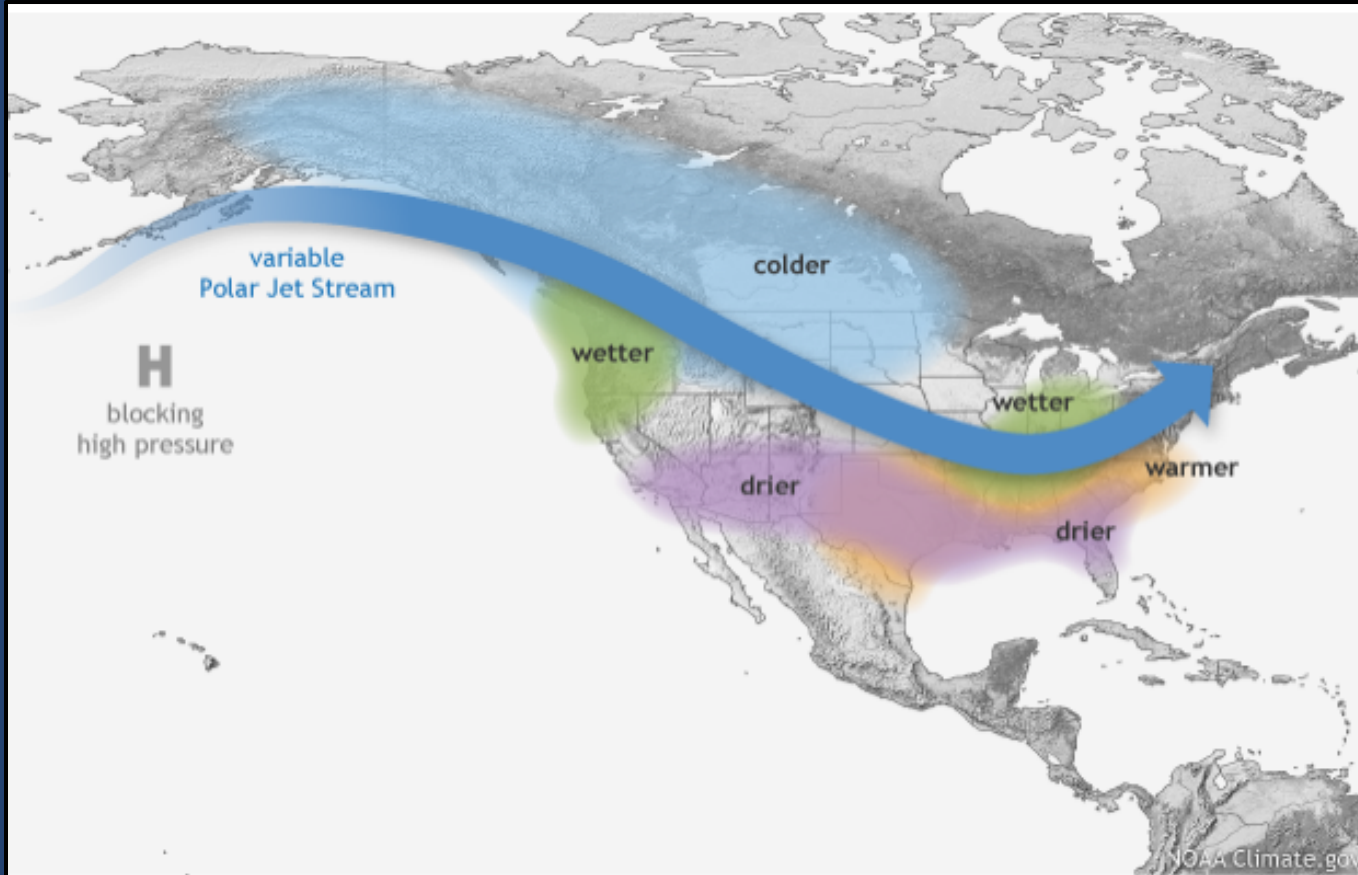


Figure provided by the International Research Institute (IRI) for Climate and Society (updated 17 October 2017).

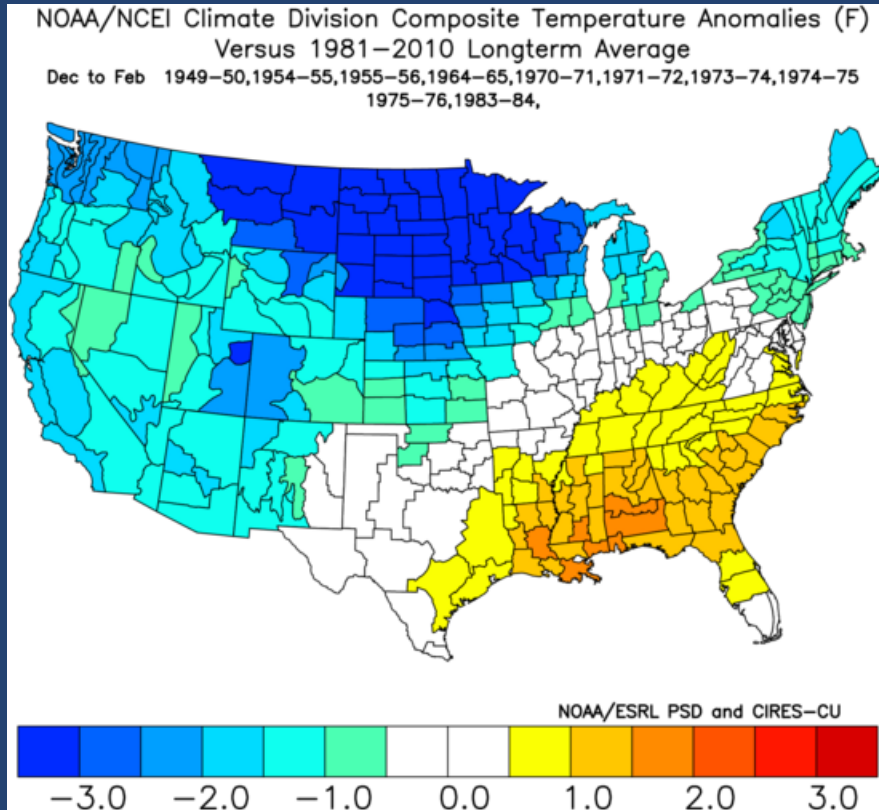
ENSO Status



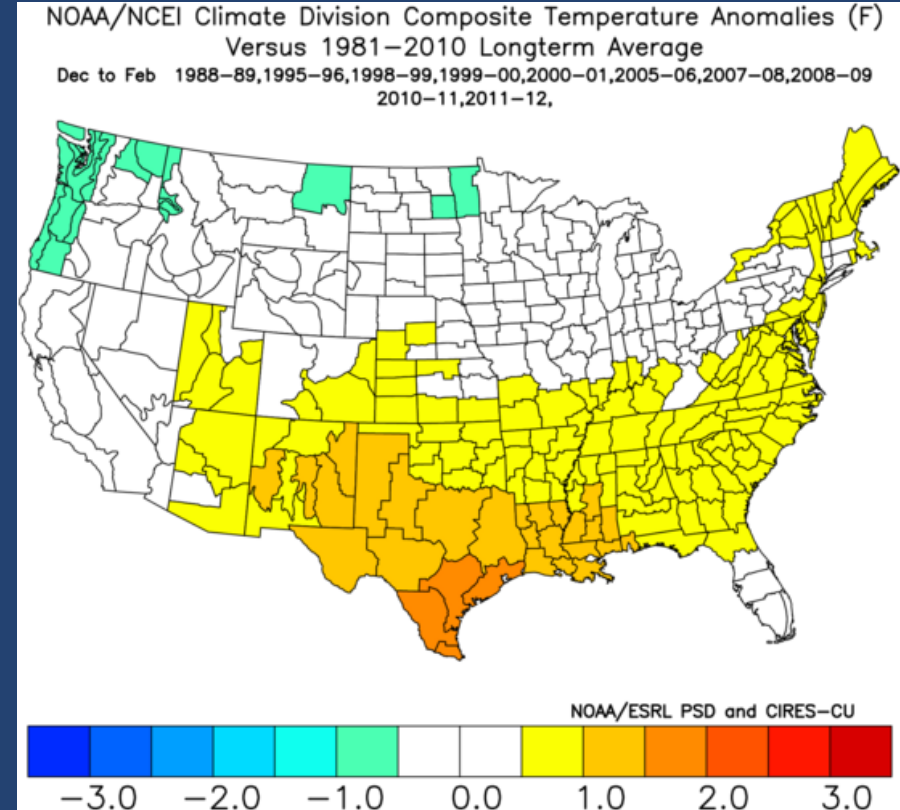
Wintertime La Nina Pattern



Temperature Anomalies during La Niña Episodes

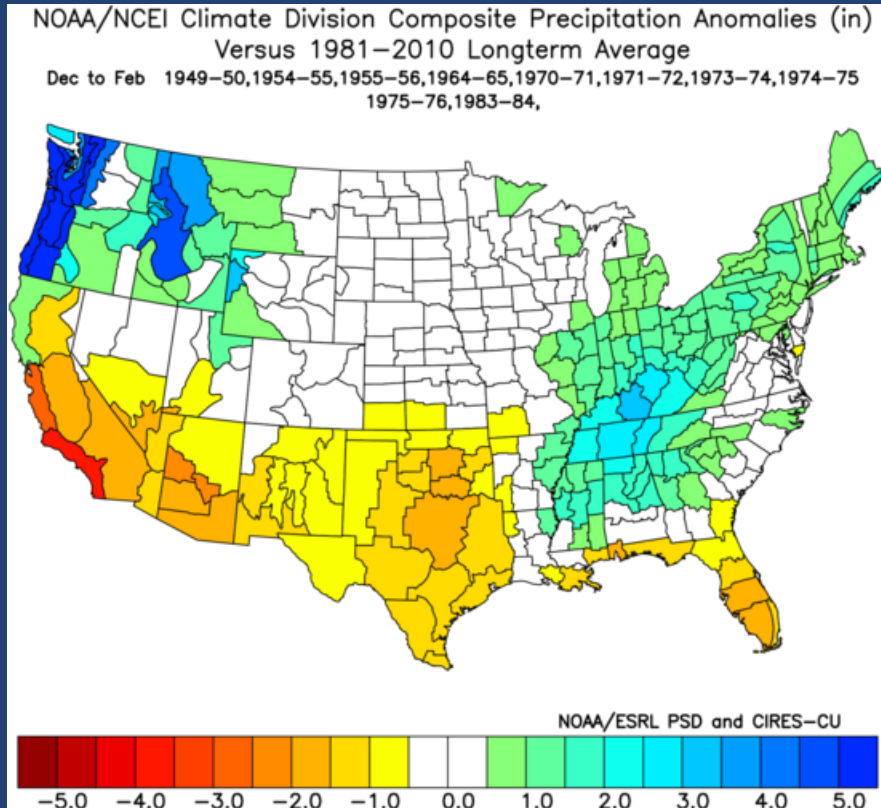


Episodes prior to 1985

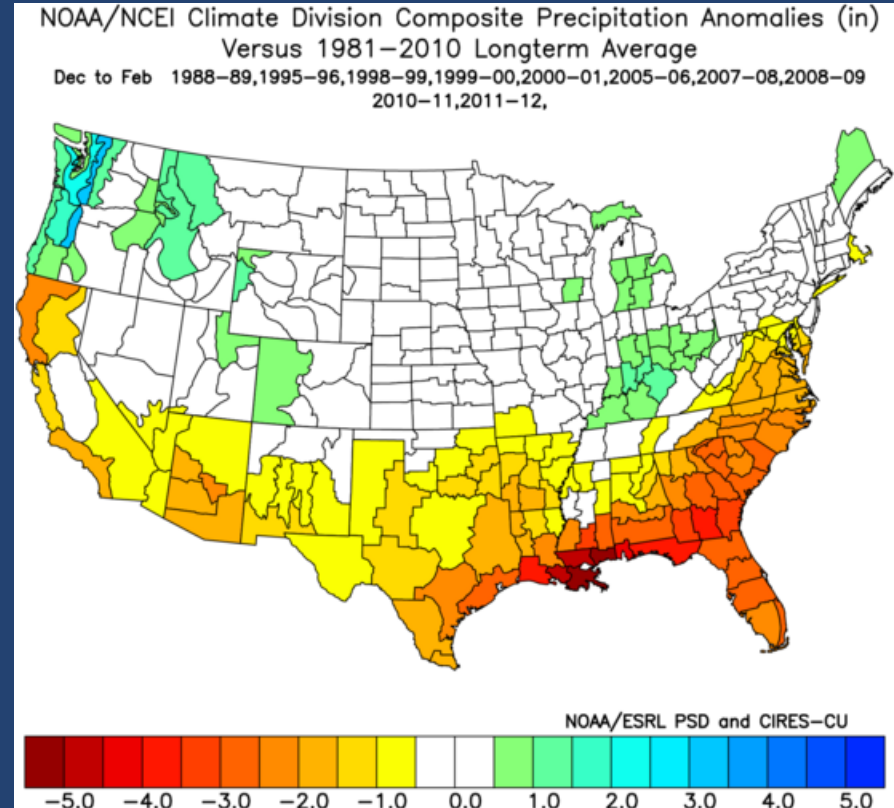


Episodes after 1985

Precipitation Anomalies during La Niña Episodes



Episodes prior to 1985



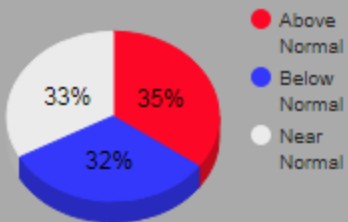
Episodes after 1985

November Outlook

Three Category Temperature Outlook

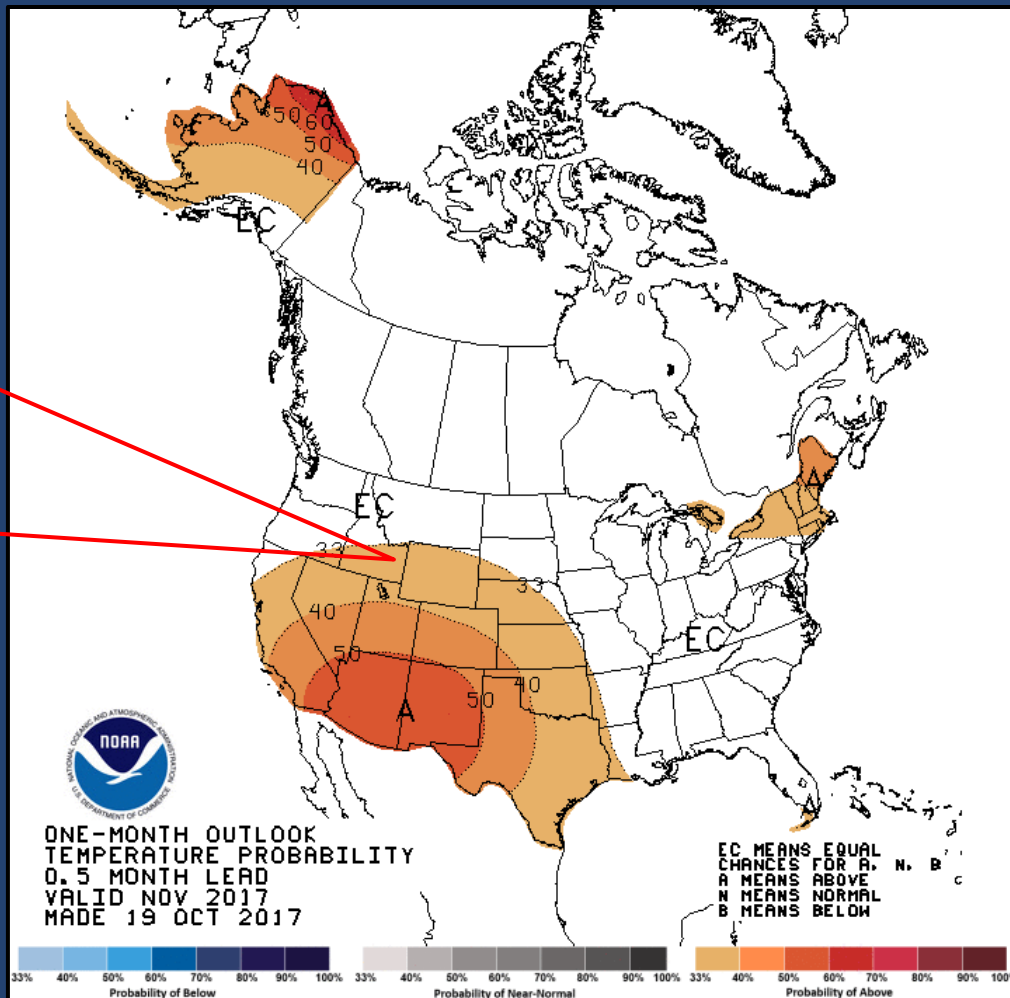
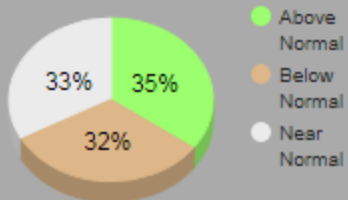
Normal Maximum Temperature: **43**

Normal Minimum Temperature: **22**



Three Category Precipitation Outlook

Normal Precipitation: **1.17**

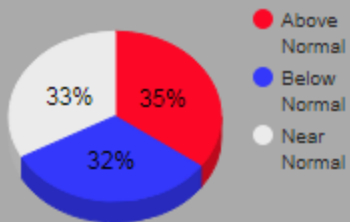


November Outlook

Three Category Temperature Outlook

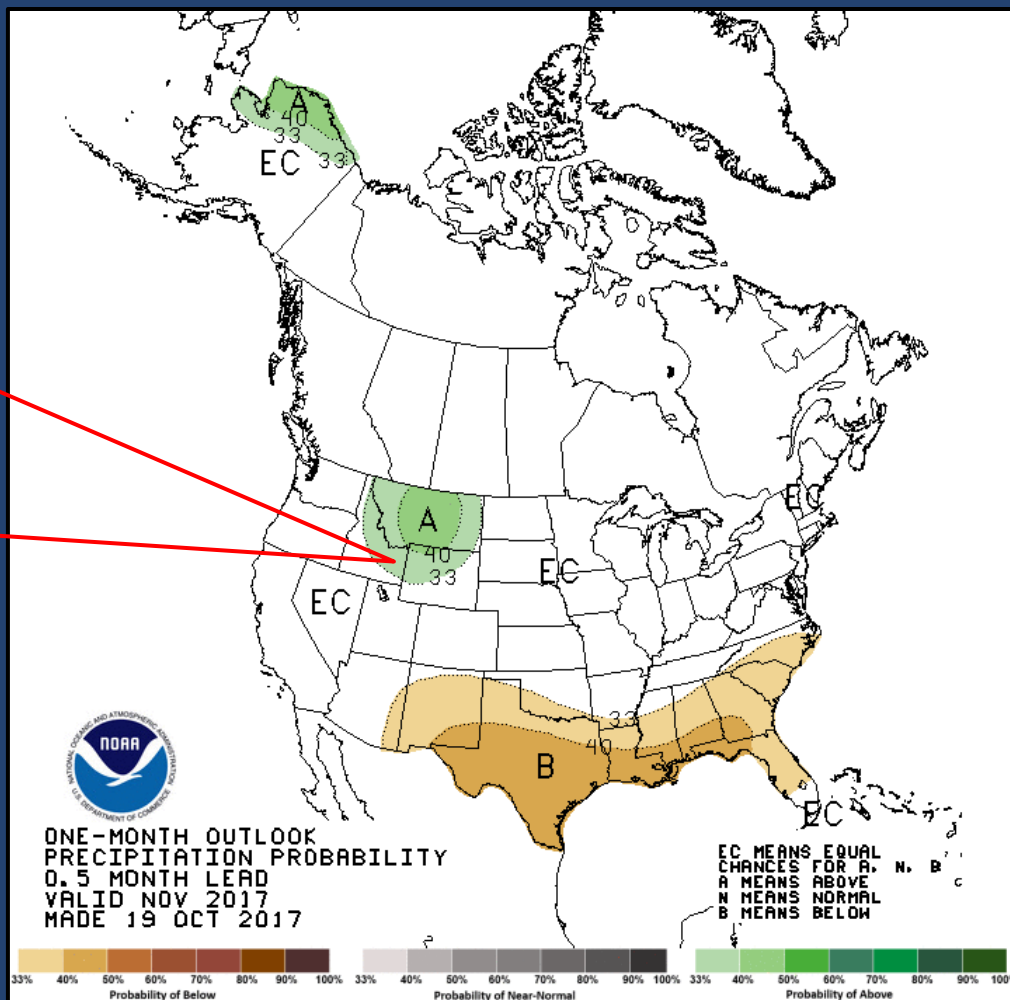
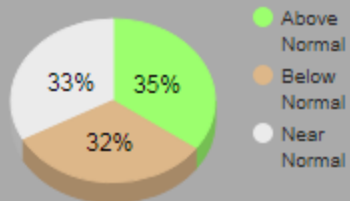
Normal Maximum Temperature: **43**

Normal Minimum Temperature: **22**



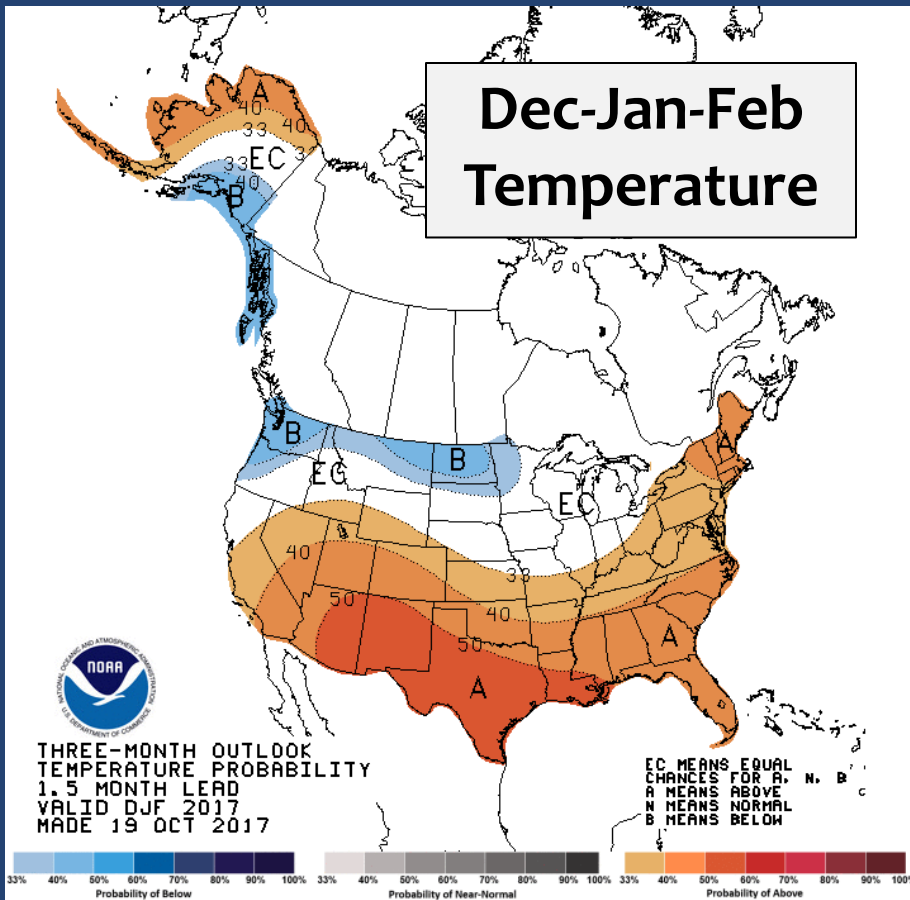
Three Category Precipitation Outlook

Normal Precipitation: **1.17**

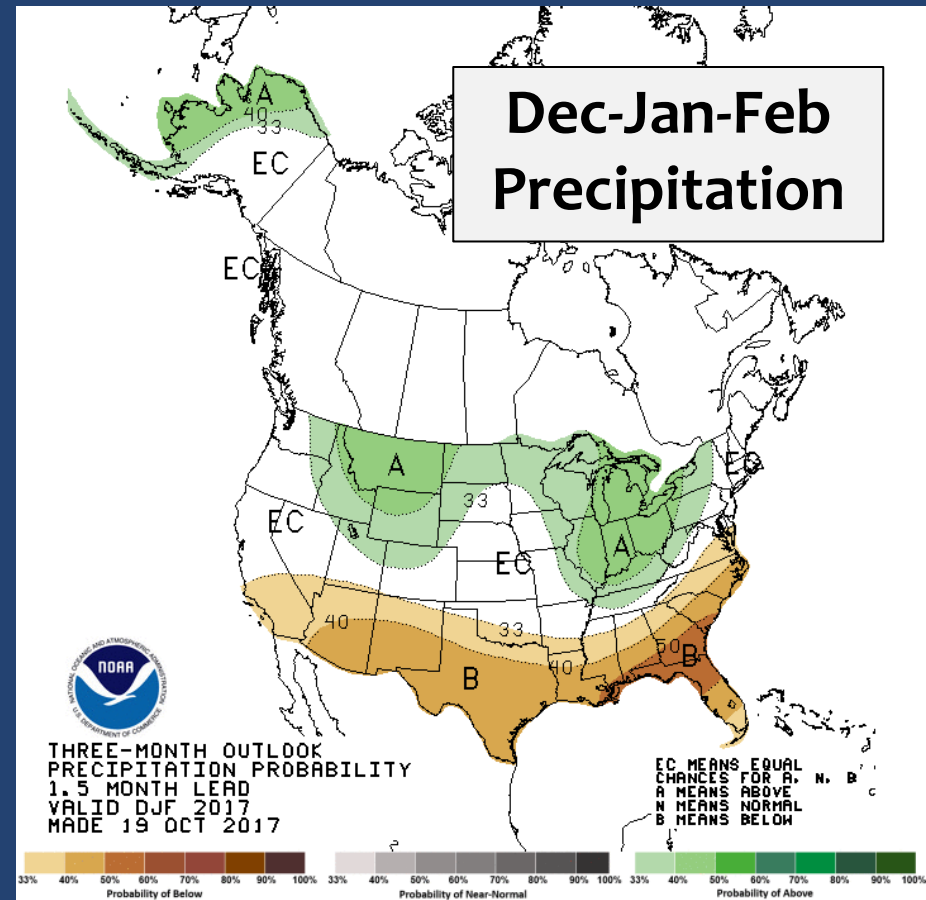


Winter Outlook

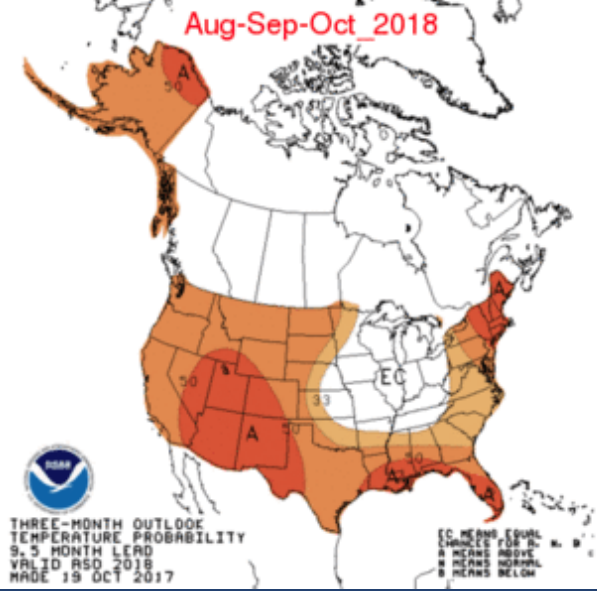
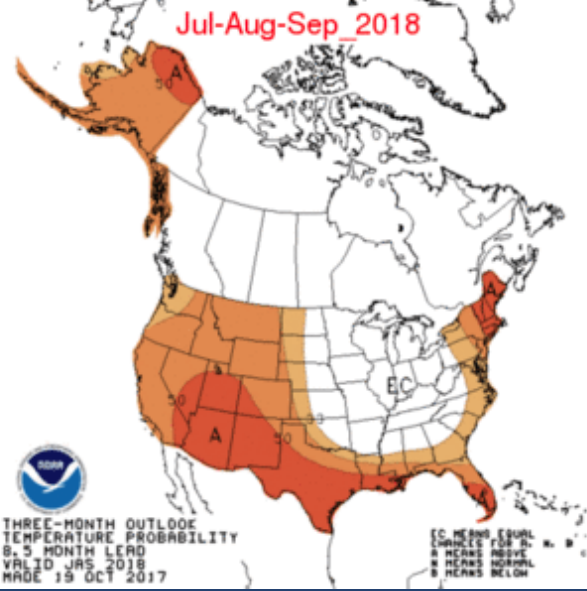
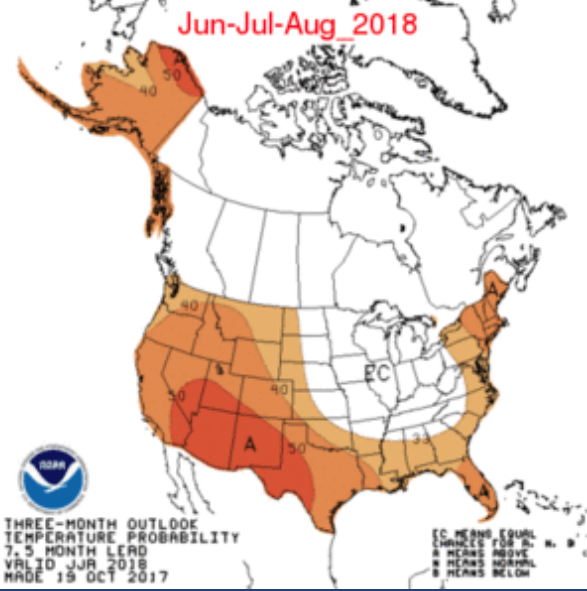
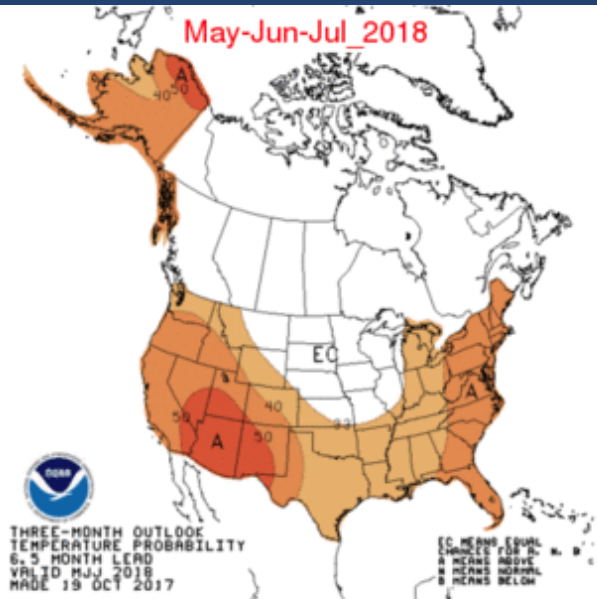
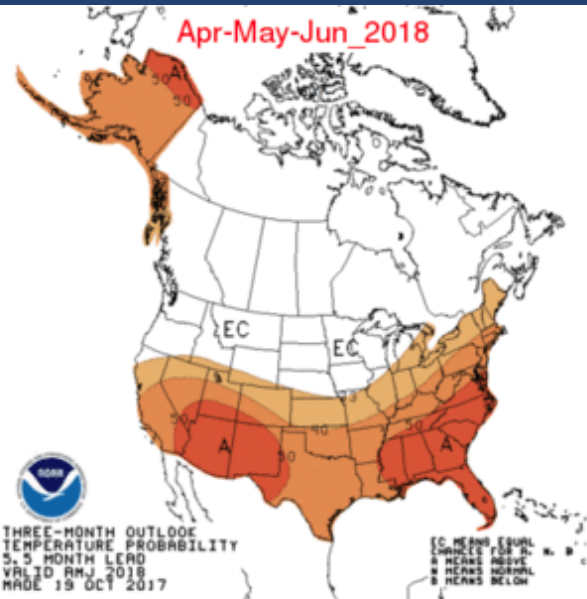
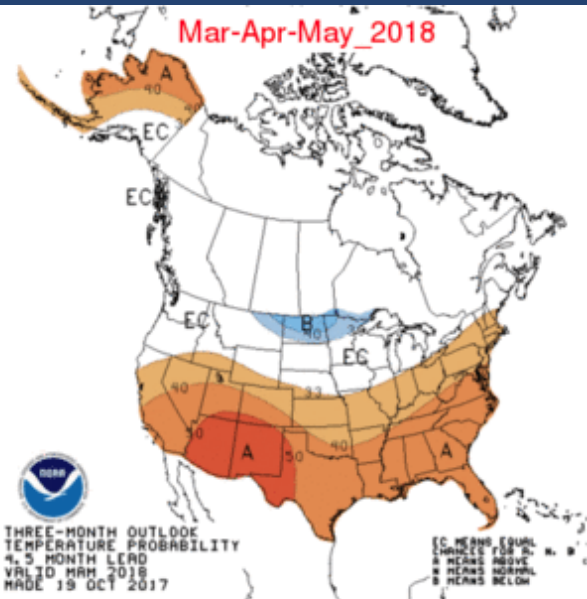
Dec-Jan-Feb Temperature



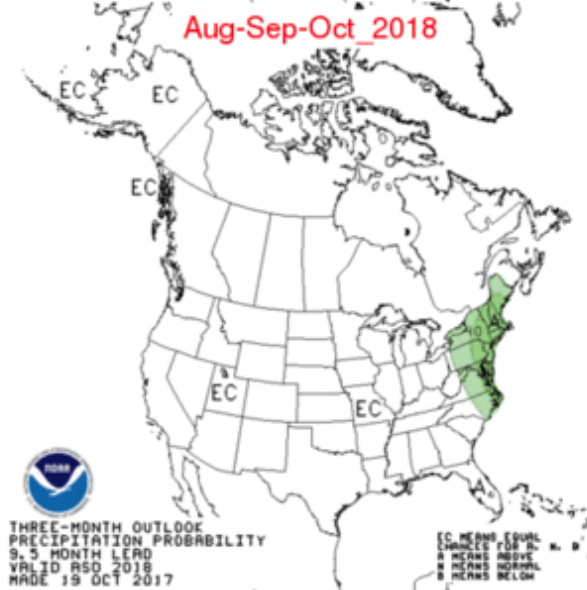
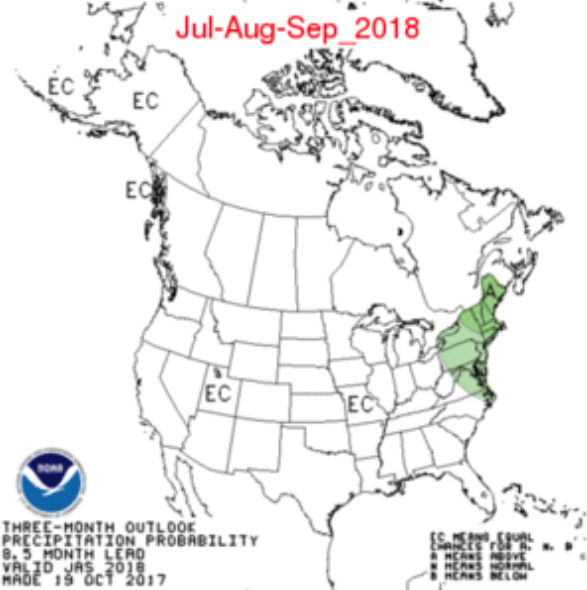
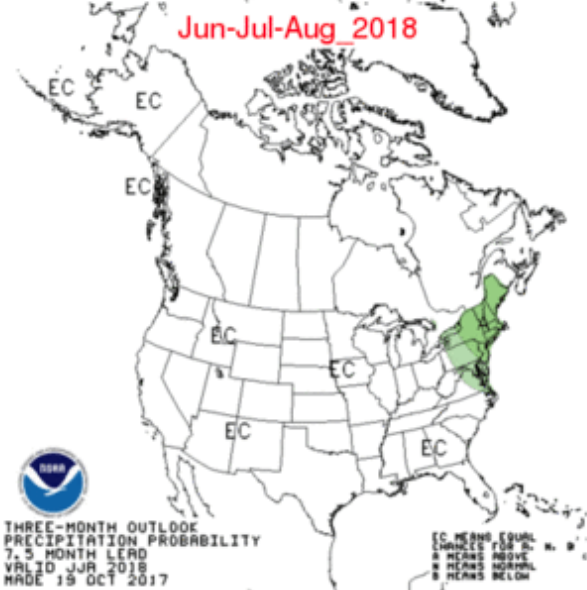
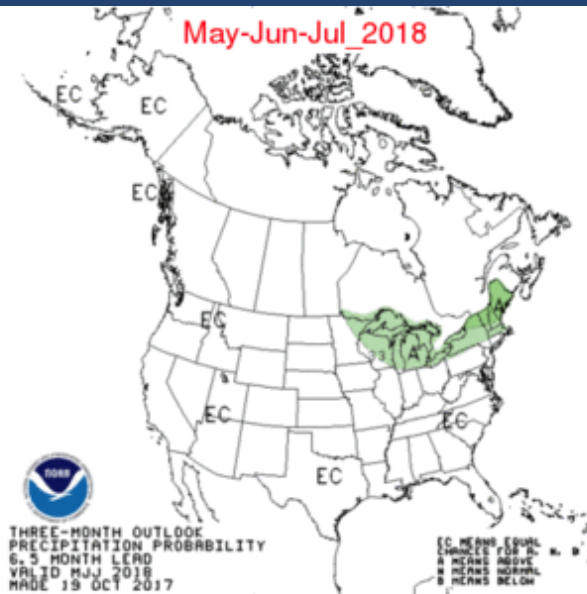
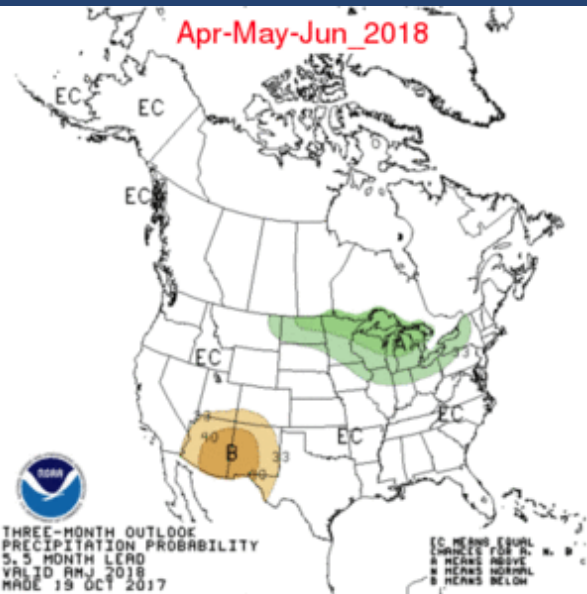
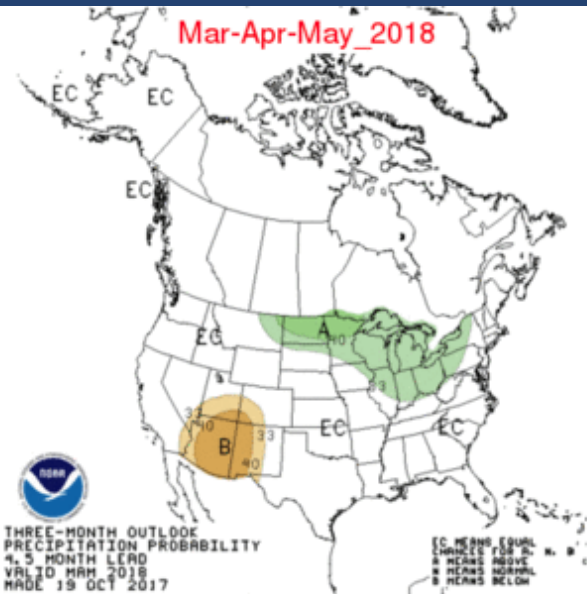
Dec-Jan-Feb Precipitation



2018 Spring – Summer Outlook Temperature



2018 Spring – Summer Outlook Precipitation



Contact Info:

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