





Fire Season Outlook &

NWS Amarillo Updates

Mike Gittinger & Ken Schneider
Warning Coordination Meteorologist / Senior Forecaster
National Weather Service Amarillo, TX

Just Do We Predict Weather?

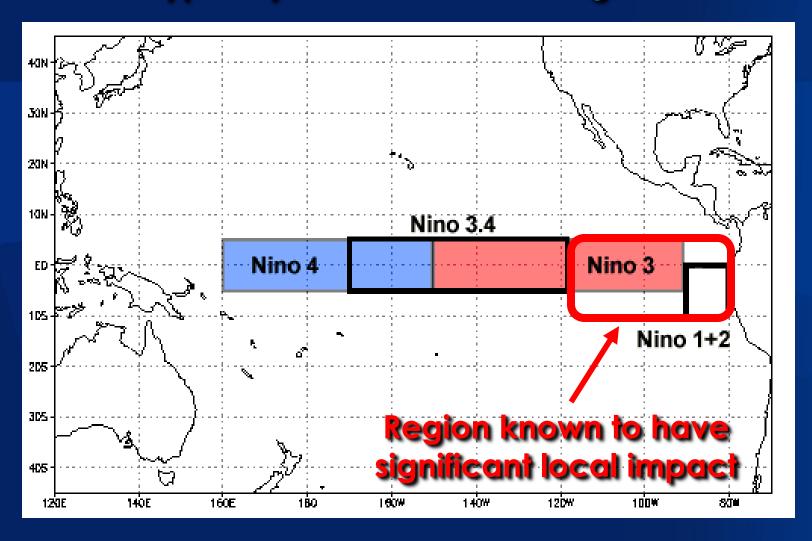




How will this impact the Seasonal Outlook?

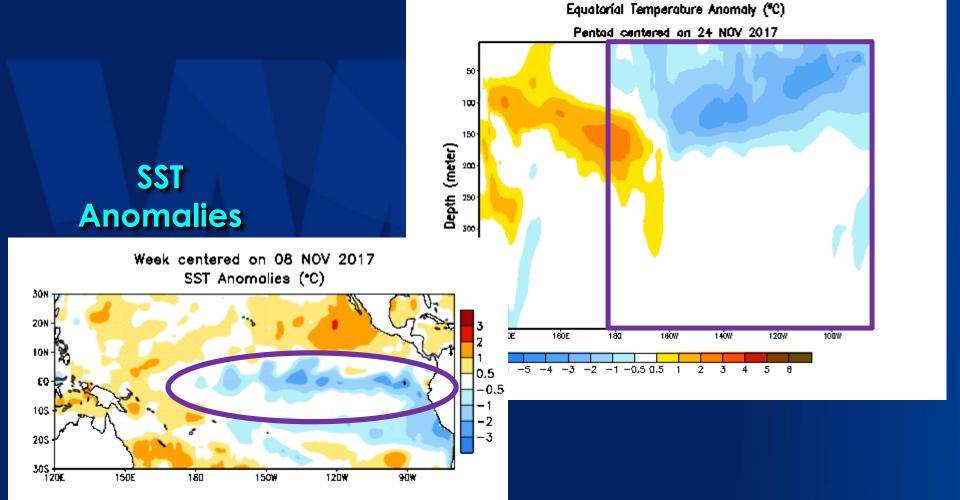
How is it Measured?

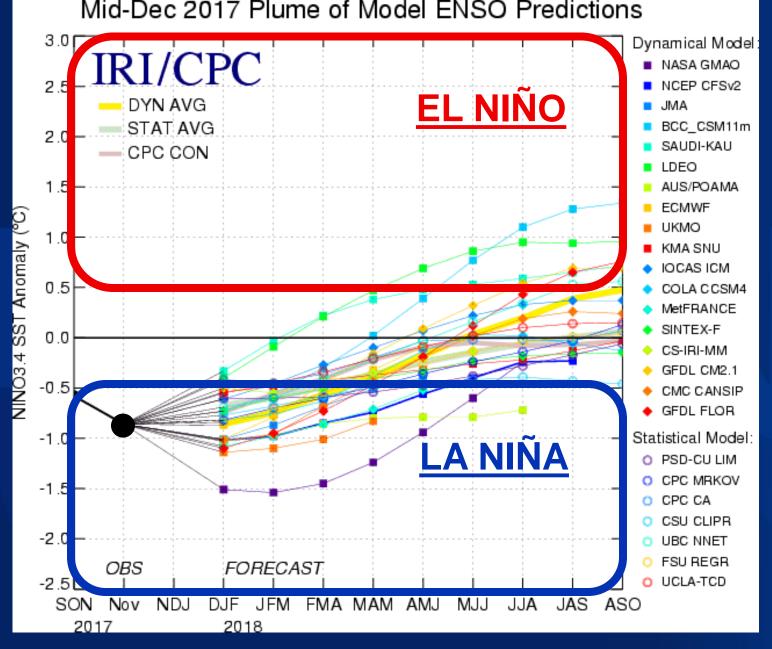
Nino 3.4 Typically Reference for Strength of the Event



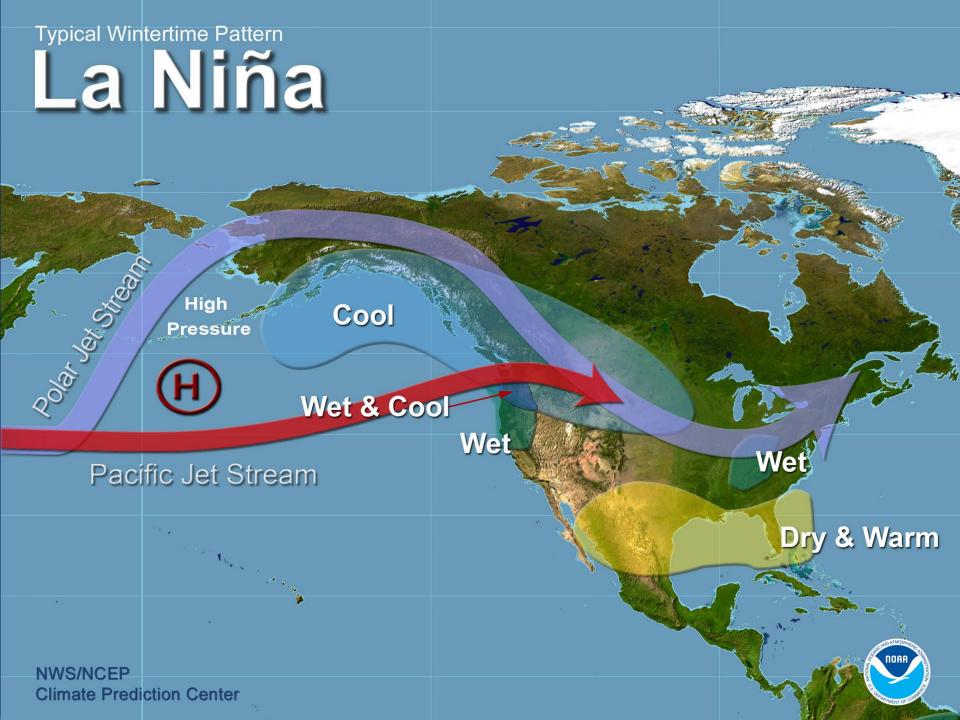
Recent SST Trends

Sea Surface Temperatures (SSTs)



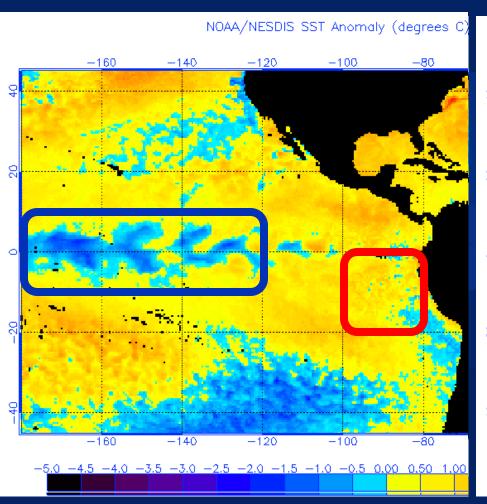


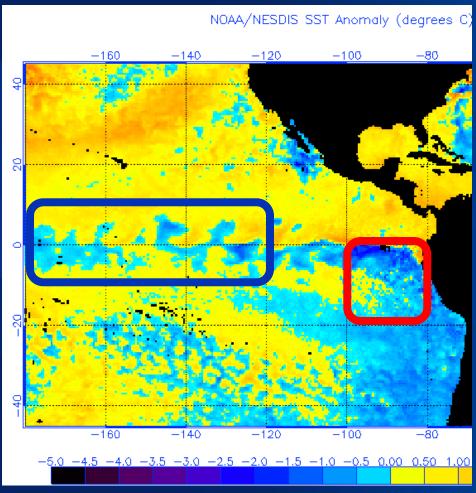
- ENSO is measured in 3 month averages
- 3 consecutive three month averages +- 0.5 required to declare an event



Comparison

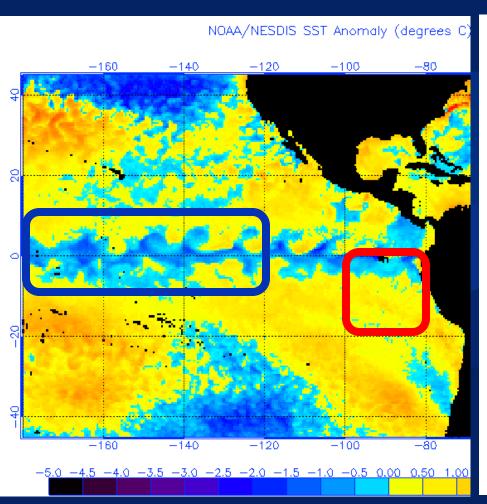
Why 2016-17 La Niña so Much Less Impact than 17-18?

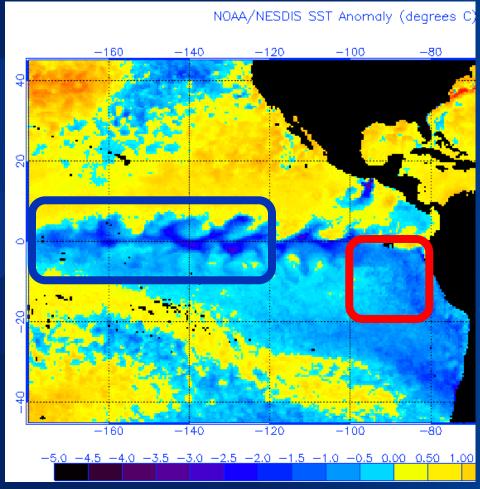




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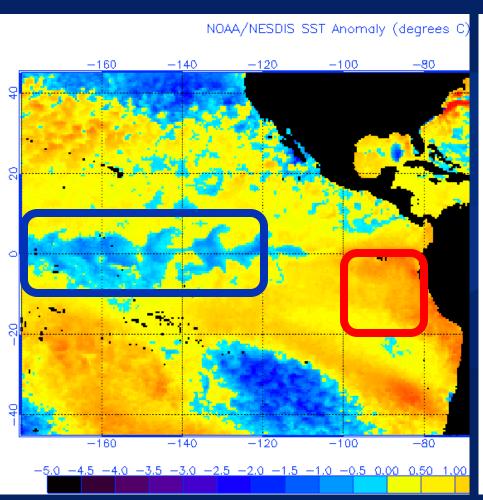
Why 2016-17 La Niña so Much Less Impact than 17-18?

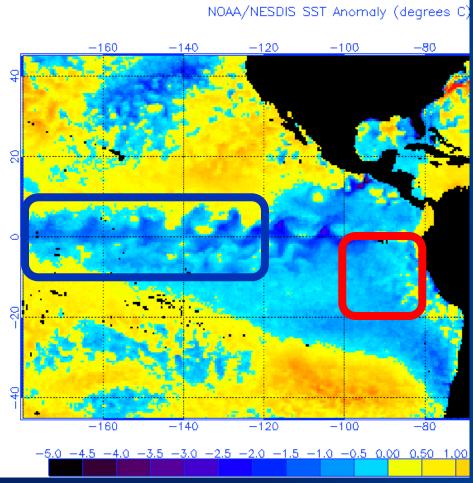




Comparison

Why 2016-17 La Niña so Much Less Impact than 17-18?



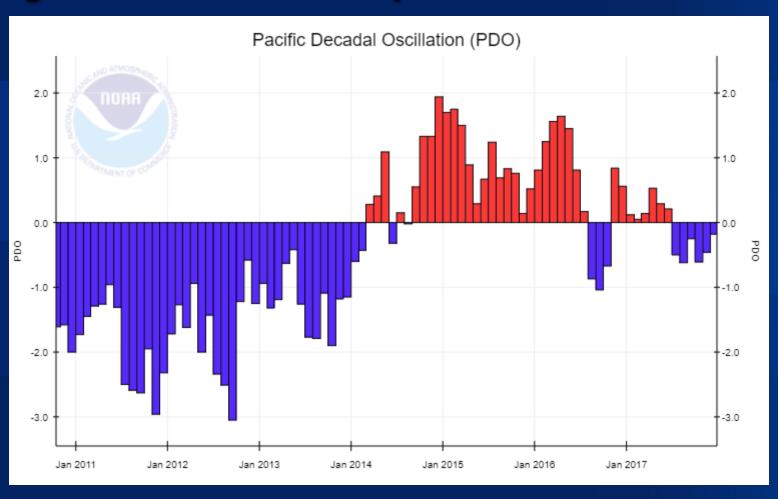


Other Important Oscillations

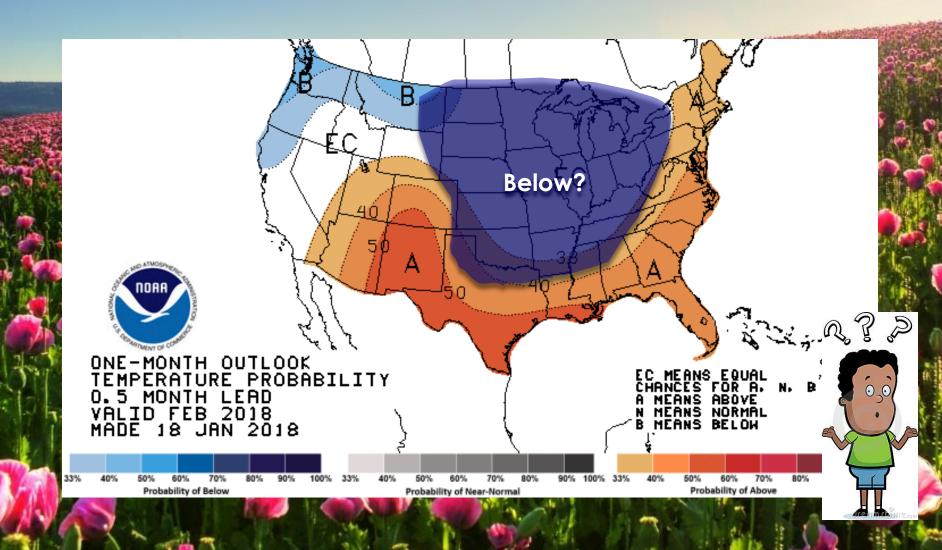


Pacific Decal Oscillation (PDO)

Negative PDO Promotes Dry Conditions in Panhandles

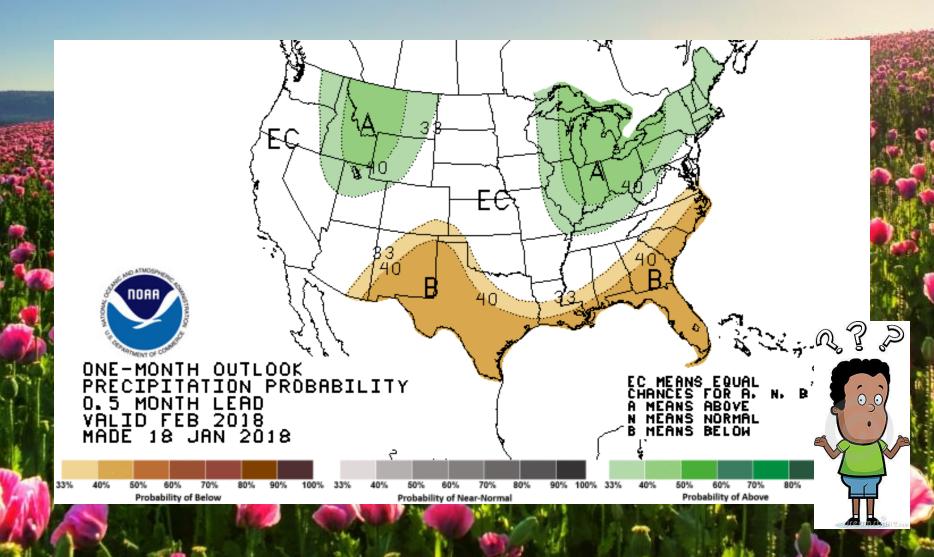


Temperature



February Quilook

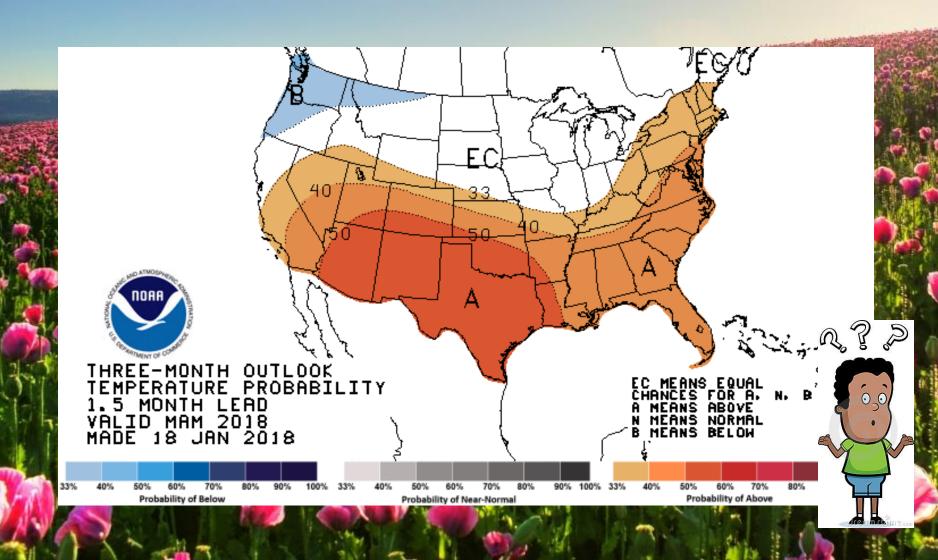
Precipitation





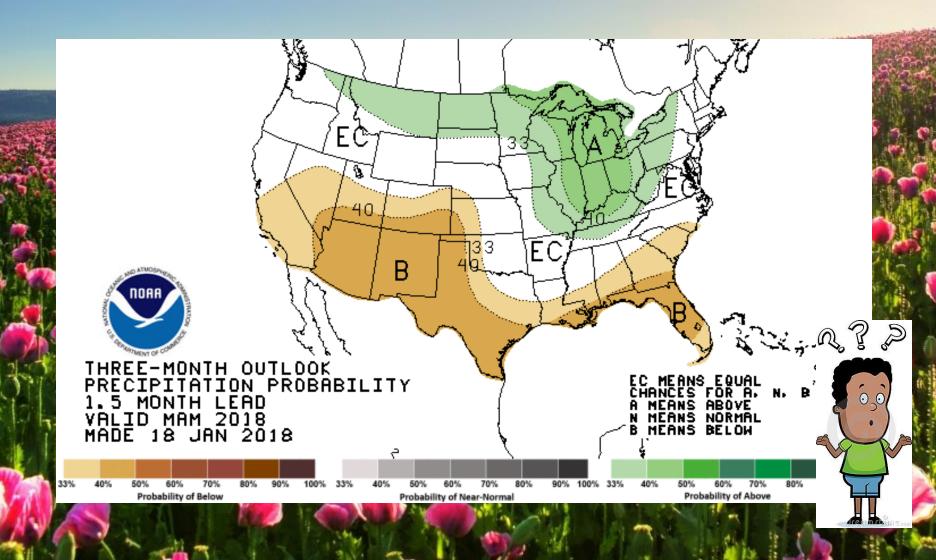
Spring Temperature Outlook

March to May



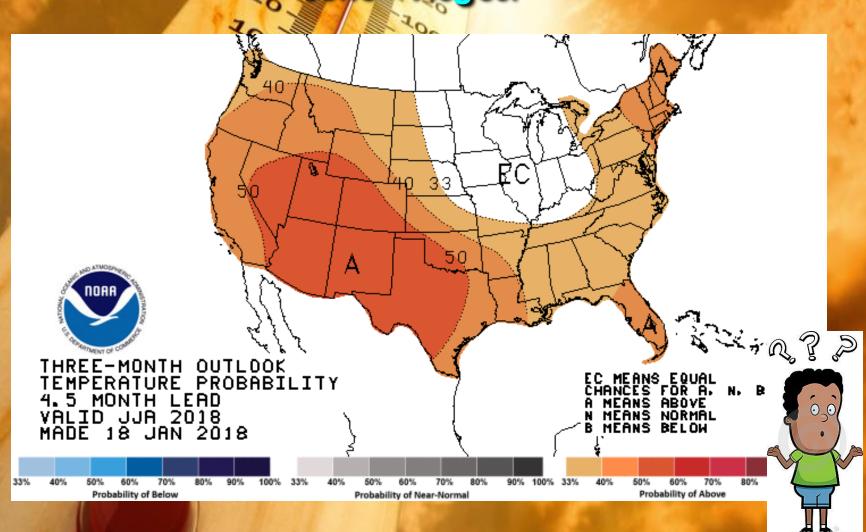
Spring Precipitation Outlook

March to May

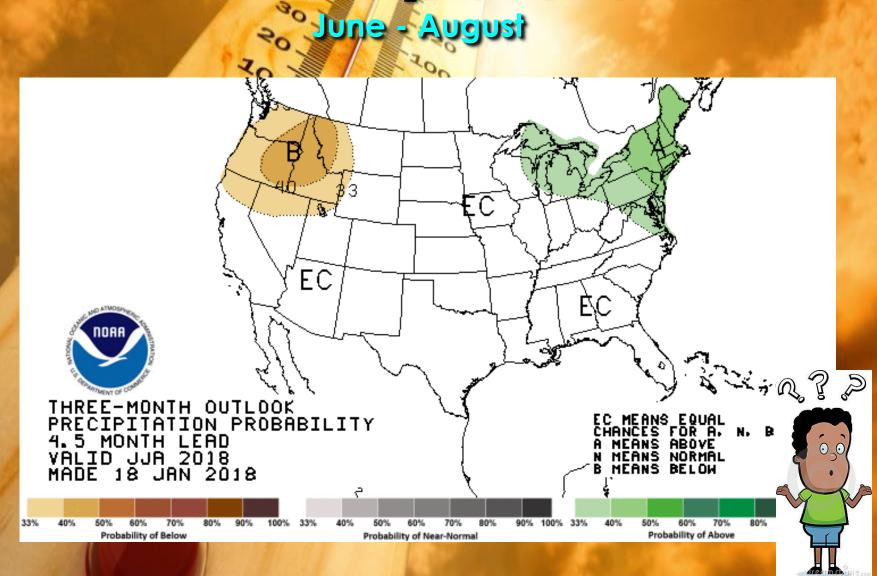


Summer Temperature Outlook



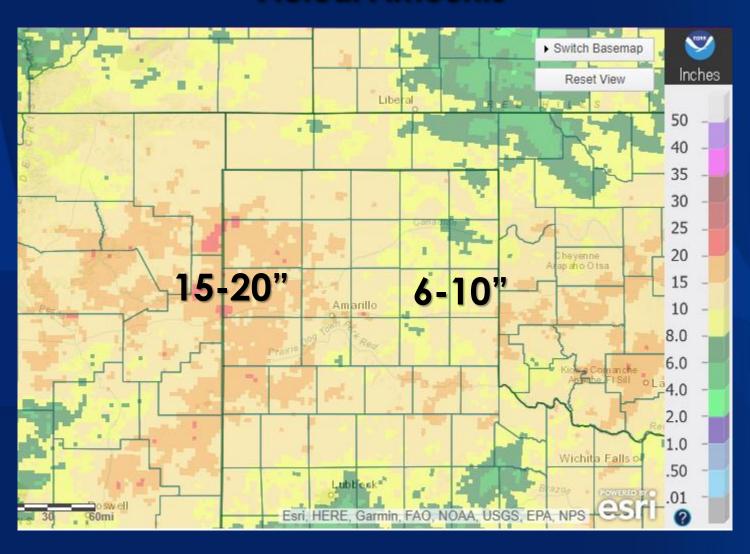


Summer Precipitation Outlook

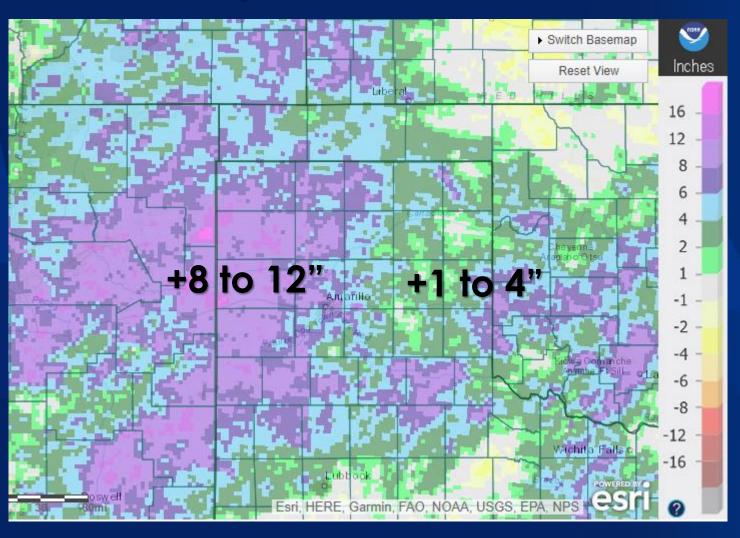




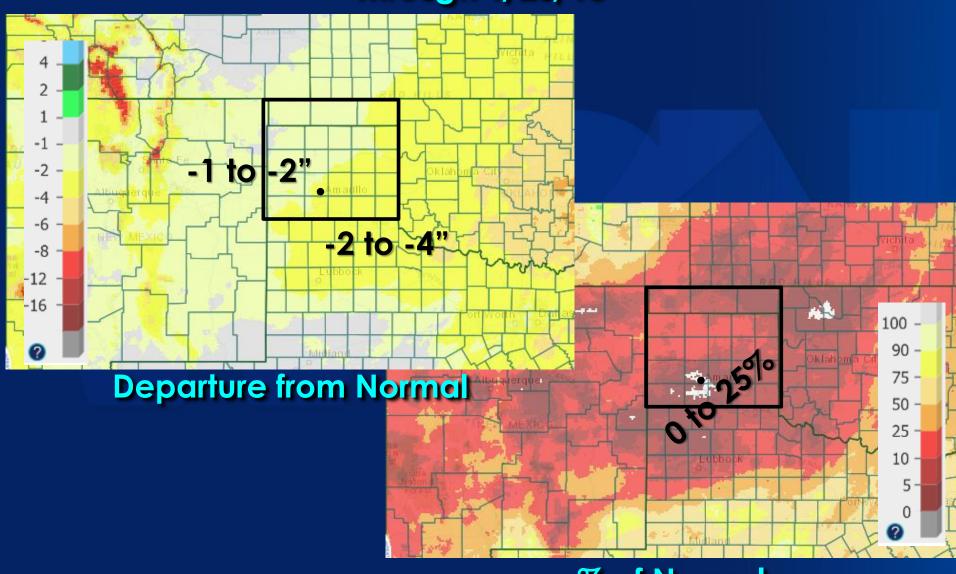
July 25 – Oct 23rd Actual Amounts

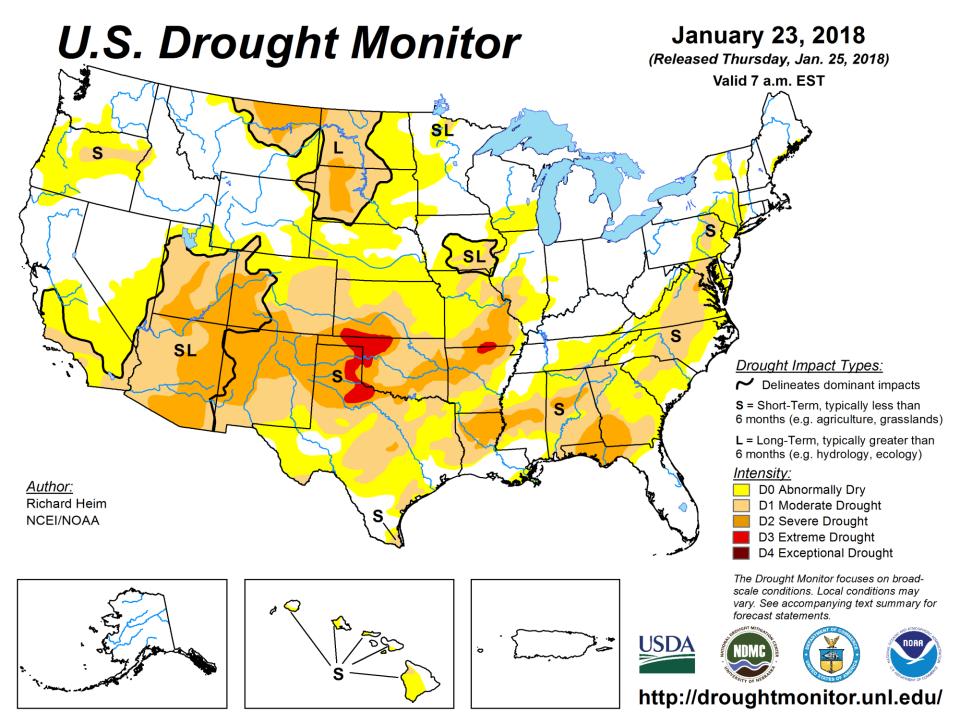


July 25 – Oct 23 Departure from Normal



Last 90 Day Rainfall Through 1/28/18





State of Fuels

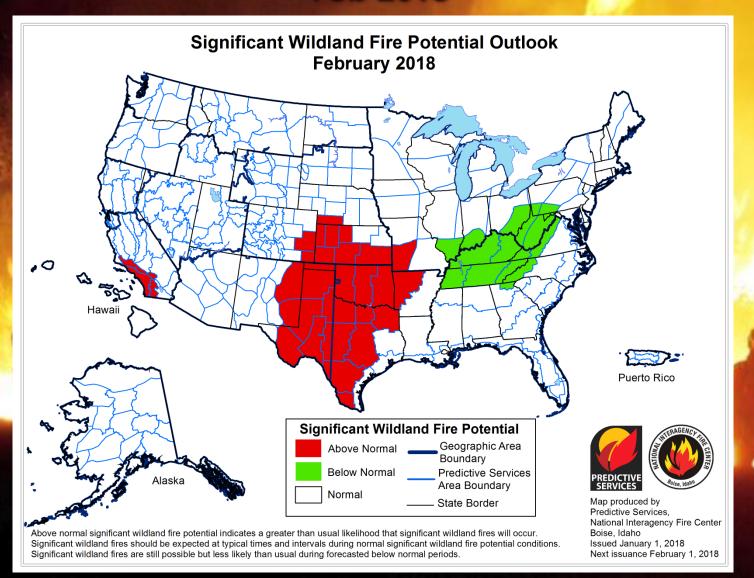
Excessive late summer rains have provided significant 1-hr fuel loading



West of Amarillo on Hwy 60

Fire Potential Outlook

Feb 2018



Fire Potential Outlook

Mar/Apr 2018



Spring/Summer 2018 "Most Likely Outcomes"

- Weak La Niña transitioning to neutral through spring
- Weather pattern response can lag ENSO changes
- La Niña weakening last in the east does not bode well for SW U.S.
- Below normal precipitation and above normal temperatures through spring
- Notable Potential for intense and long lived fire season
- Outbreaks are still dependent on weather patterns

QUESTIONSP

Ken Schnieder ken.schneider@noaa.gov Mike Gittinger Mike.Gittinger@noaa.gov NWS Amarillo 806-335-1121



@NWSAmarillo www.weather.gov/amarillo

"Susie, you got half the problems wrong."

"That's ok, Dad. I want to be a meteorologist when I grow up."



