

# WAOC Report: Nebraska Conditions

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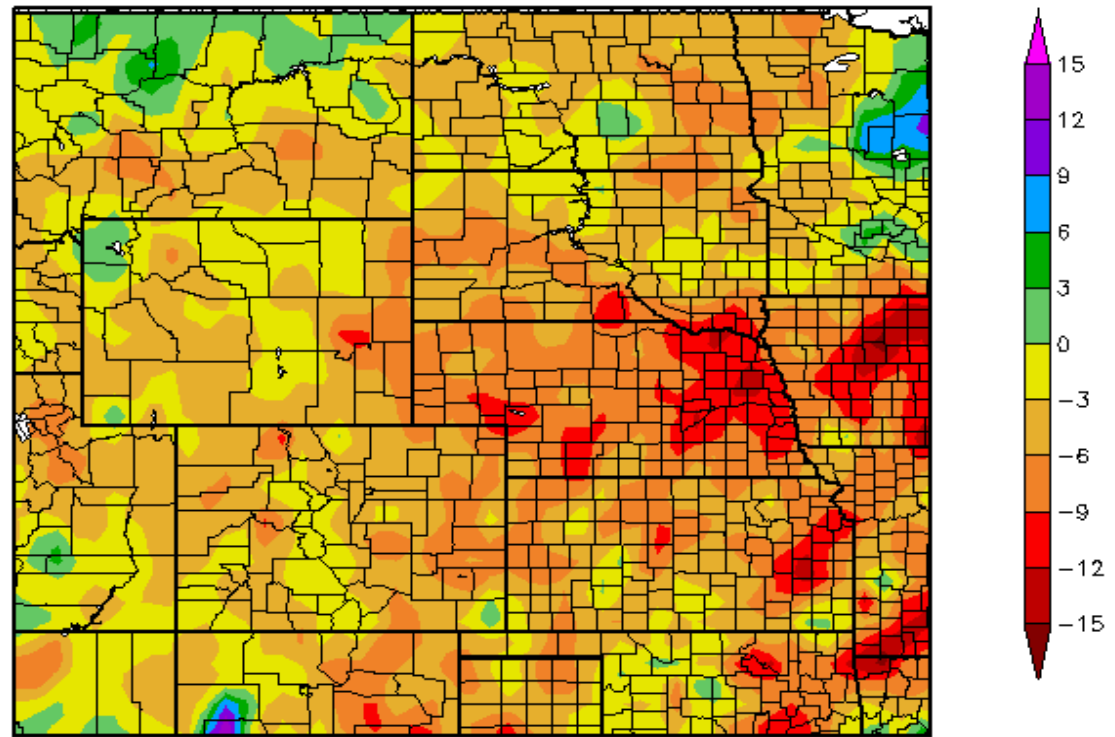
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402-472-5206



# Water Year and Growing Season Precipitation Deficits

Departure from Normal Precipitation (in)  
10/1/2011 – 9/5/2012



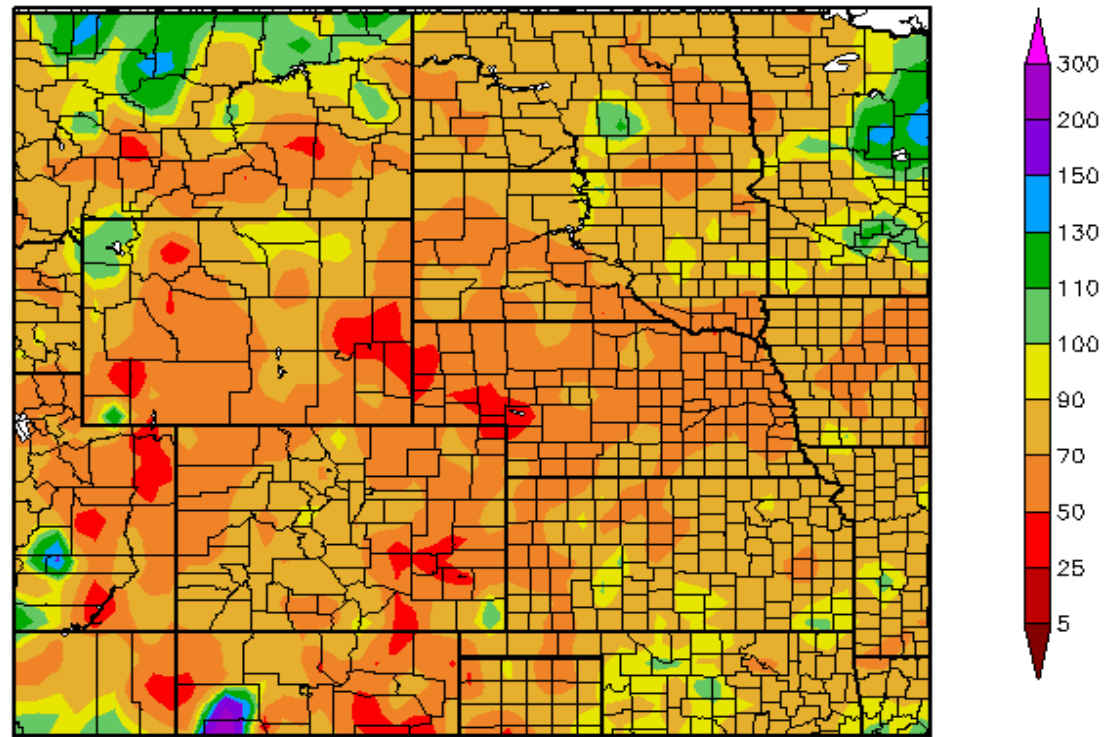
Generated 9/6/2012 at HPRCC using provisional data.

Regional Climate Centers



# Water Year and Growing Season Precipitation Tendency

Percent of Normal Precipitation (%)  
10/1/2011 – 9/5/2012



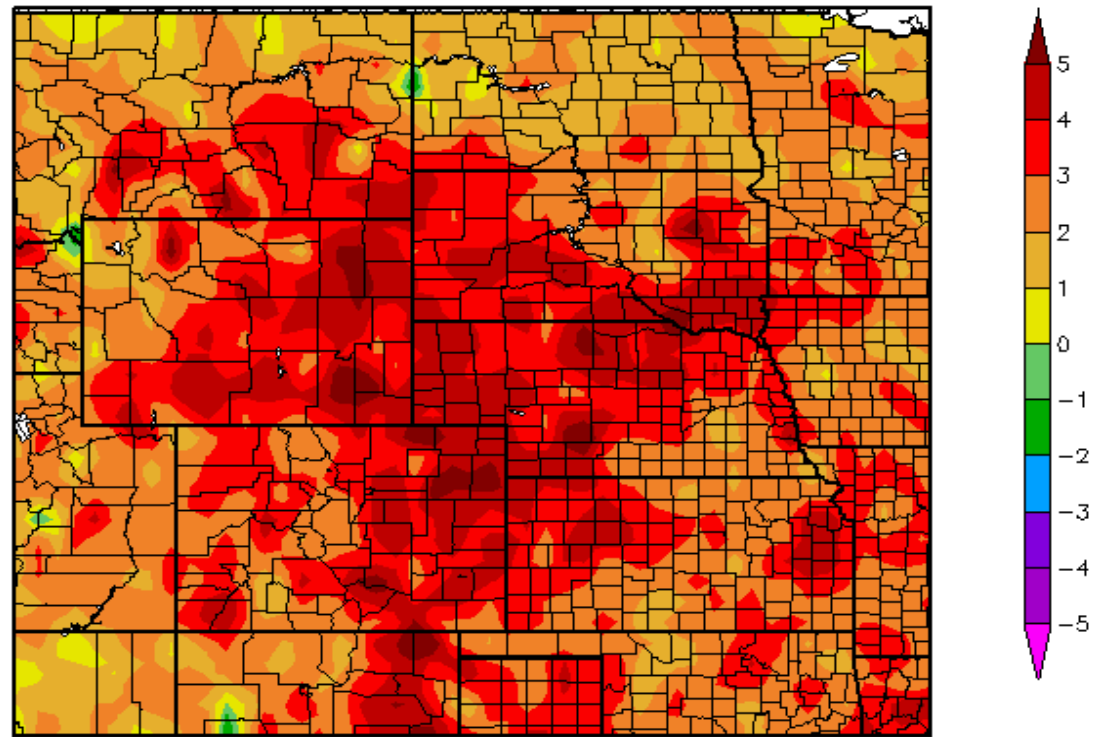
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# Summer Temperature Trend

Departure from Normal Temperature (F)  
6/1/2012 – 8/31/2012



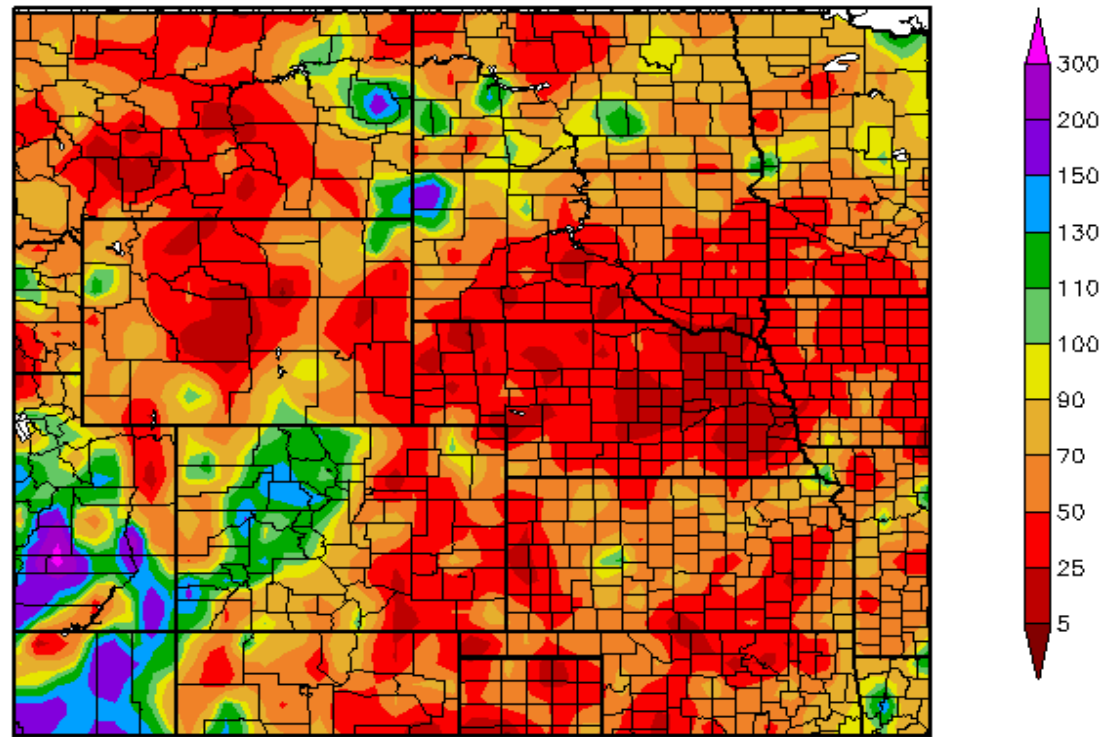
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# Summer Precipitation Trend

Percent of Normal Precipitation (%)  
7/1/2012 – 9/5/2012



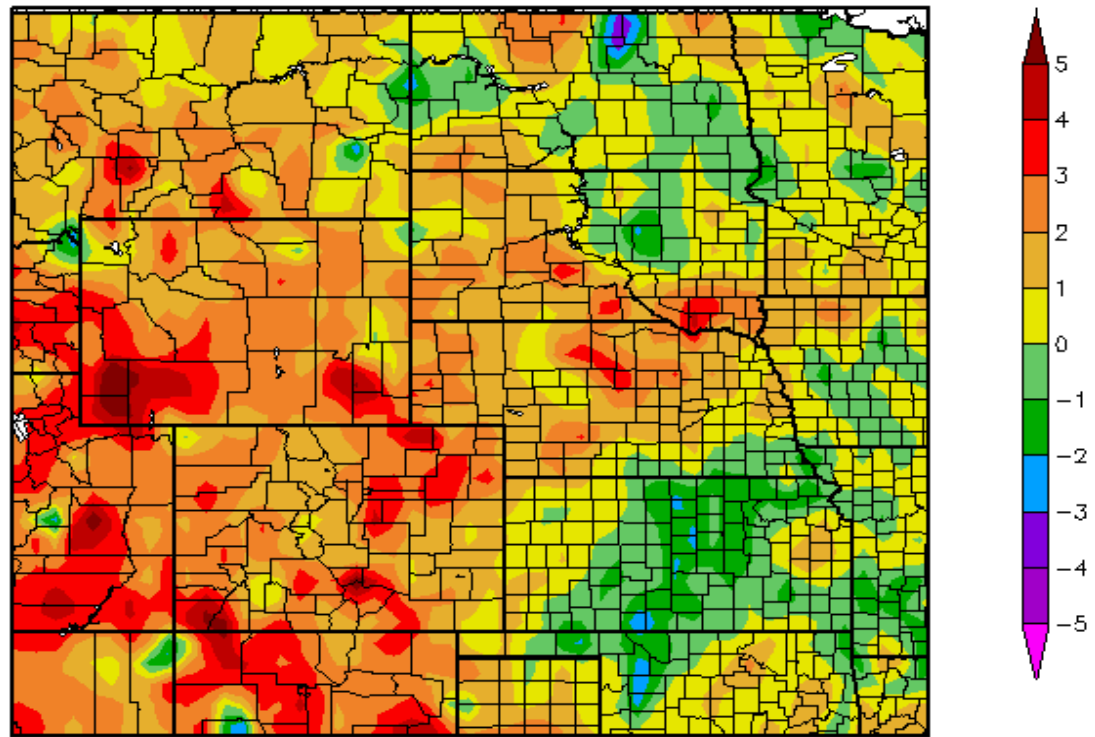
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# 30-Day Temperature Trend

Departure from Normal Temperature (F)  
8/8/2012 – 9/6/2012



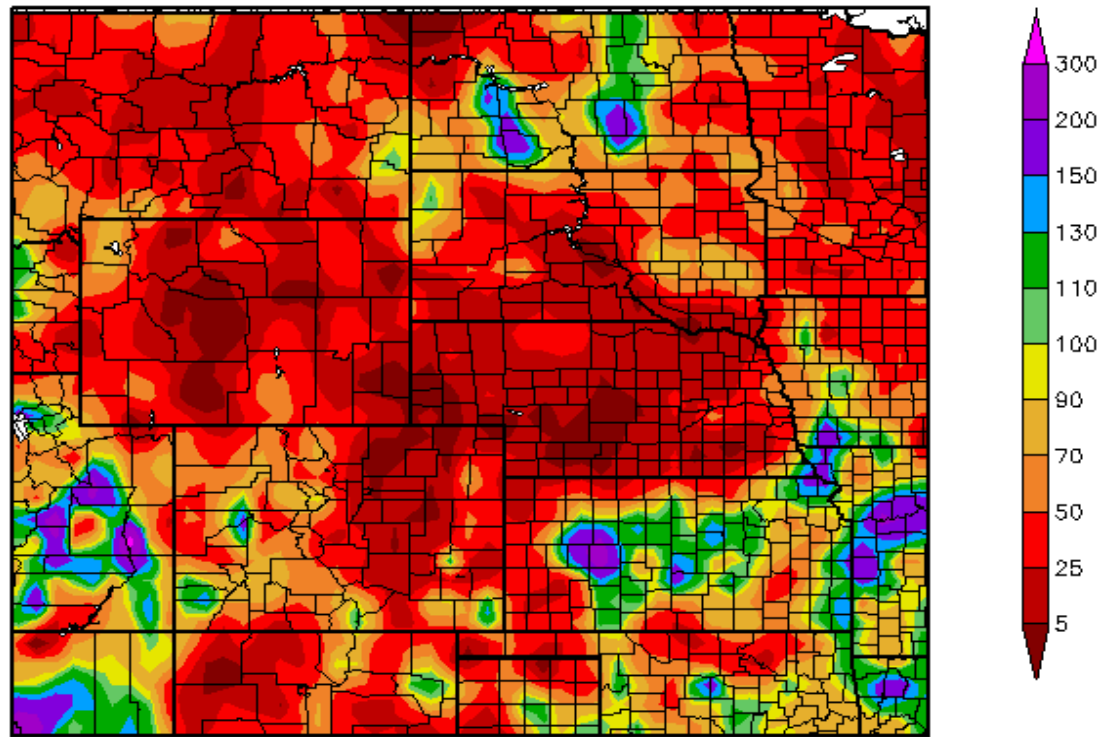
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# 30 Day Precipitation Trend

Percent of Normal Precipitation (%)  
8/8/2012 – 9/6/2012



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# Ogallala Precipitation Statistics

- Period of record annual precipitation is 18.69
- 1981-2010 normal calculated by NCDC is 20.37 inches
- 1971-2000 normal was 18.74 inches
- 60% of the annual precipitation totals fall plus or minus 3 inches from period of record mean
- Moisture received in Ogallala during 2012 is still over 4 inches shy of the driest year on record, which was 1974 with 9.91 inches





## Ogallala Precipitation Statistics Continued

- Of the 20 driest years, there was only one instance in 17 occurrences when less moisture was recorded the next year
- The following year recorded more than 20 inches of precipitation 9 times
- There were only 3 times when the following year experienced a deficit in the 3 inch or greater range
- The remaining 5 years were in a range of 17.19 to 18.30 inches



# Short Term Climate Issues

- Extreme Fire Danger
- Residual Damage from Range Fires
- Combine Fire Potential
- Wheat Planting and Moisture Availability
- Rangeland Moisture Recovery
- Water Restrictions



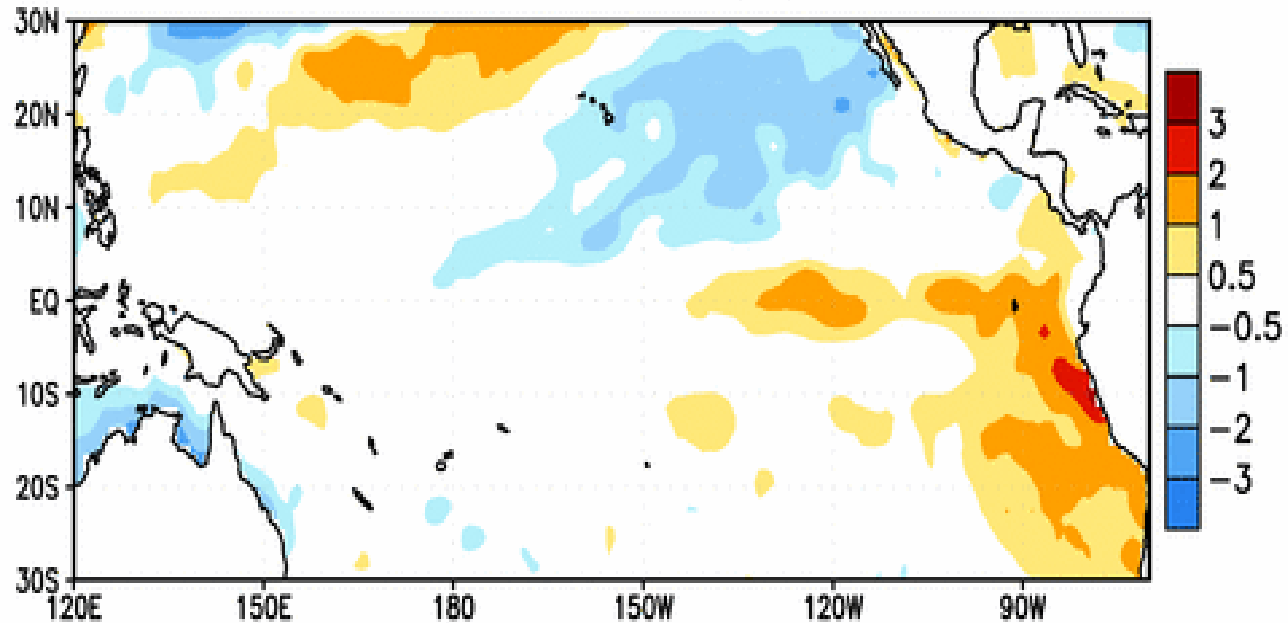
# Long Term Climate Issues

- Hydrological Concerns
- Central Rockies Snow Season
- Winter Conditions
- Soil Moisture Recharge
- Corn Belt Drought Recovery
- Pasture Growth Next Spring

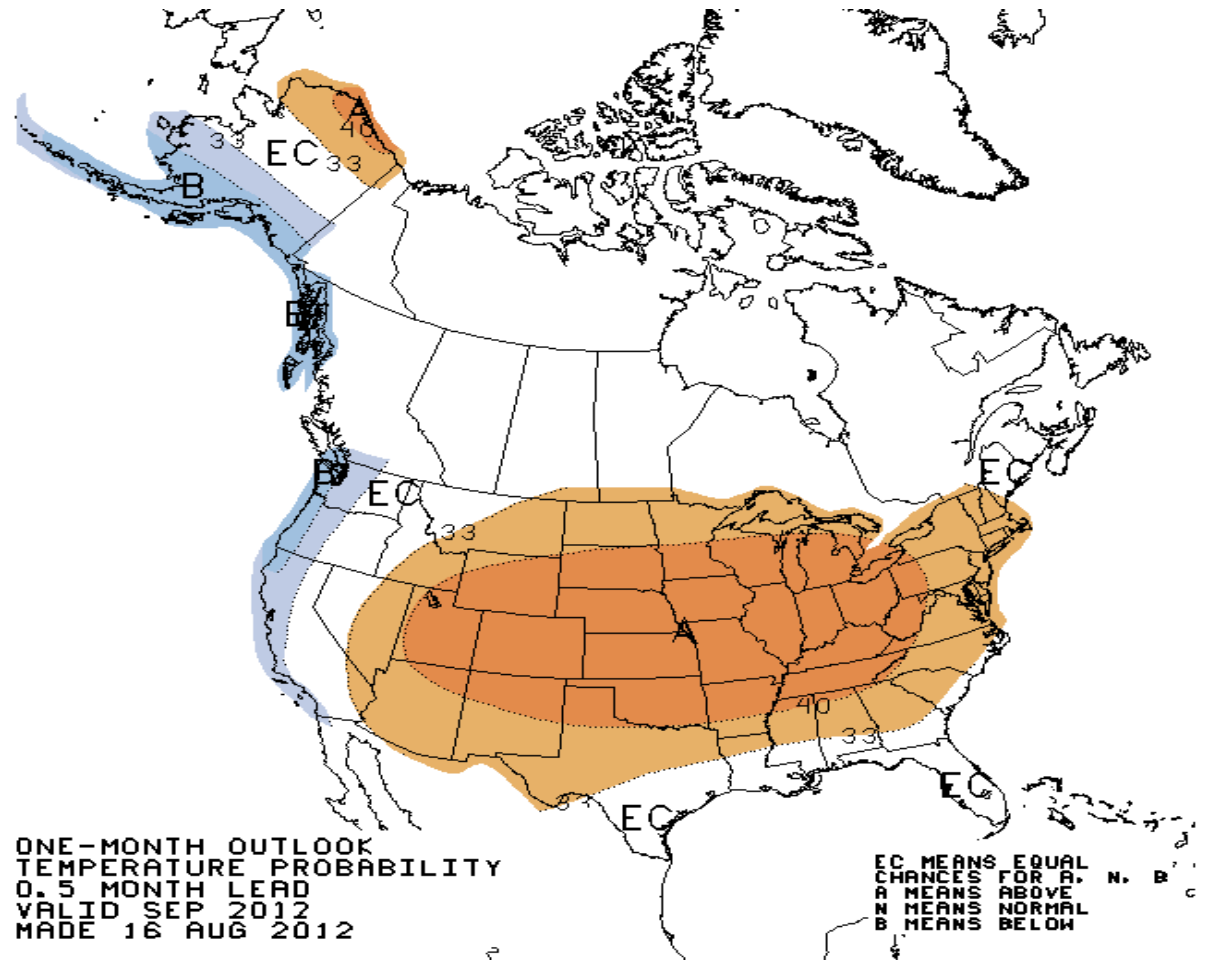


# Equatorial Pacific Sea Surface Temperature Anomalies

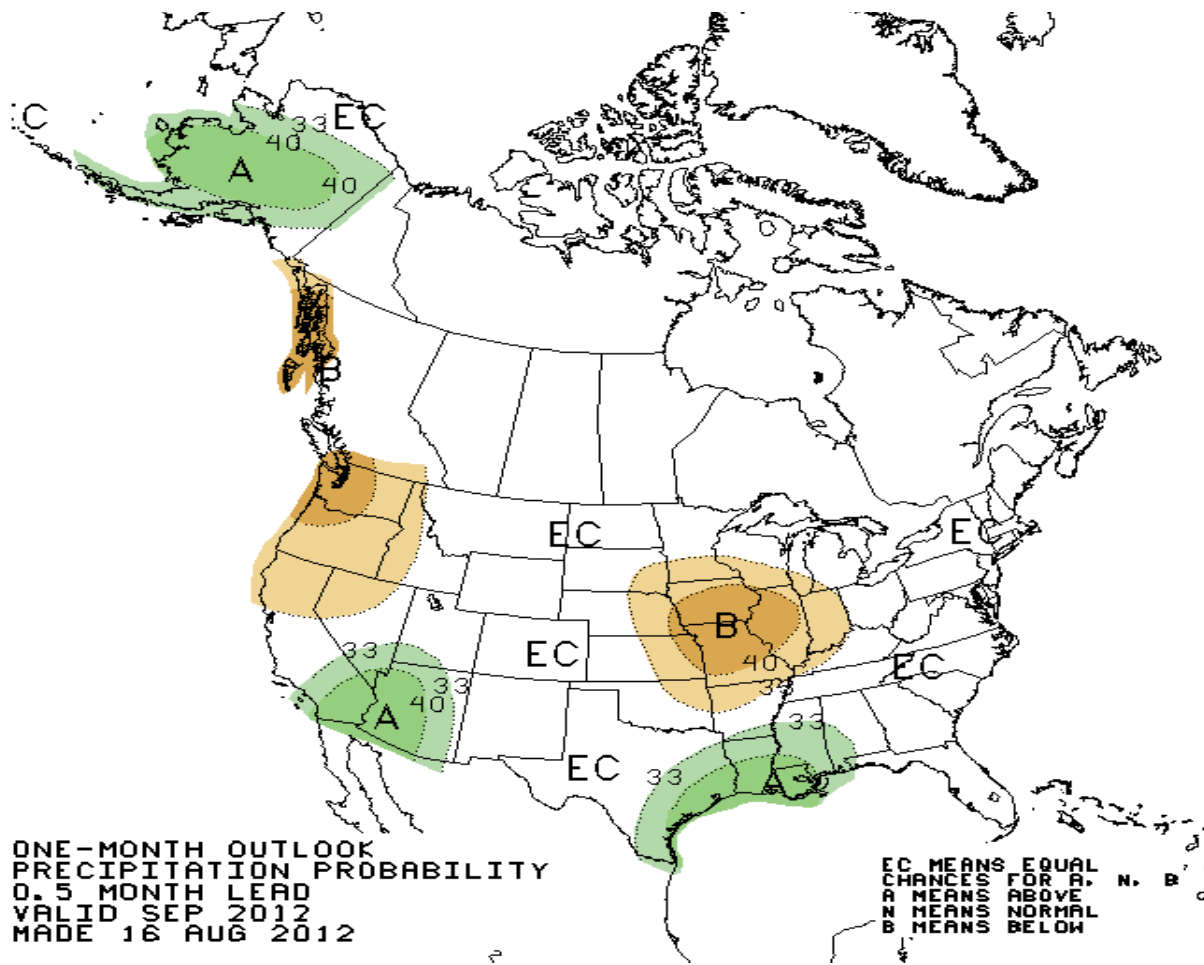
Week centered on 13 JUN 2012  
SST Anomalies (°C)



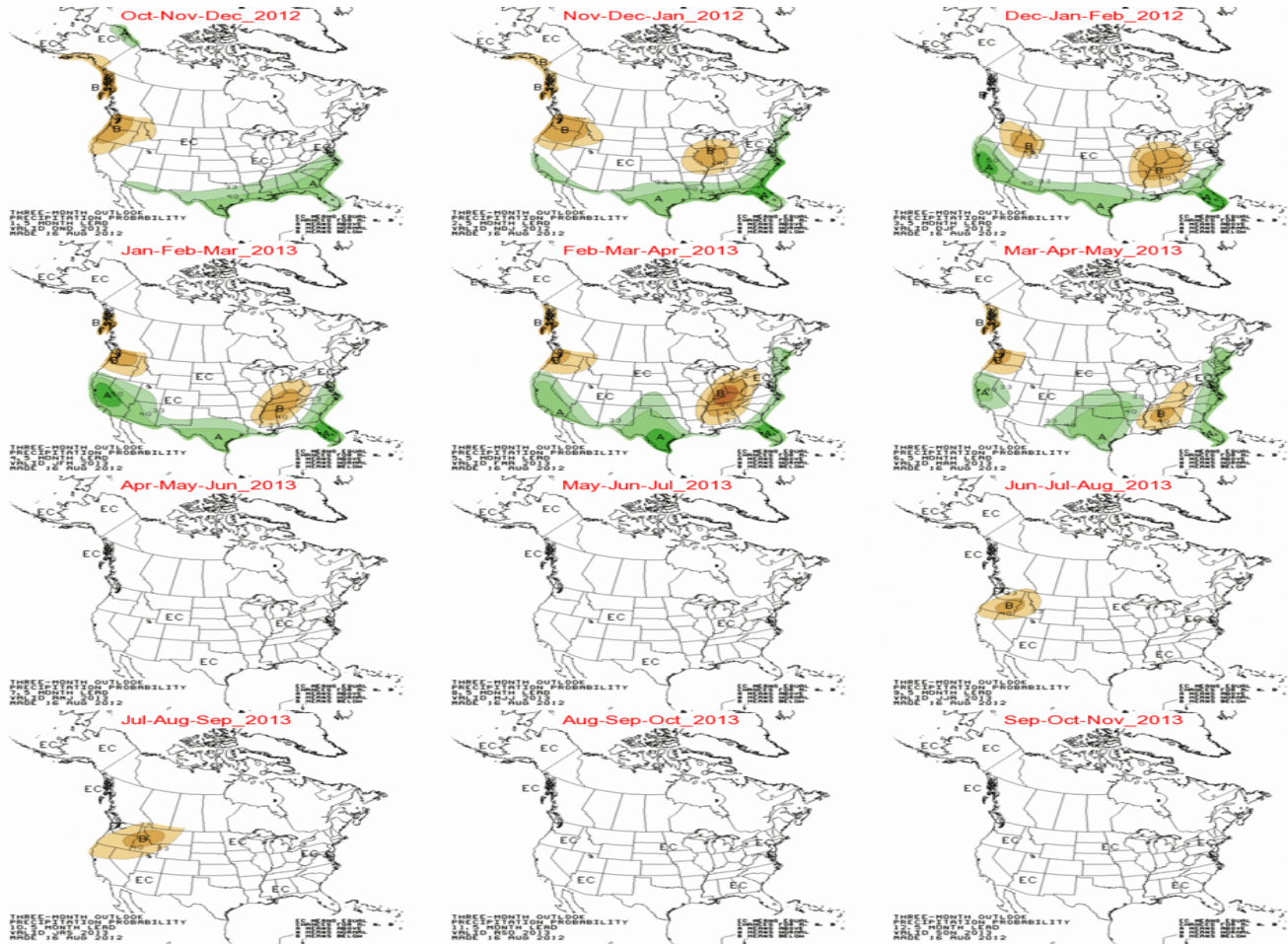
# September Temperature Forecast



# September Precipitation Forecast



# Long Lead Precipitation Forecasts



# Long Lead Temperature Forecasts

