

# Water Availability and Outlook Committee Report

April 24, 2012



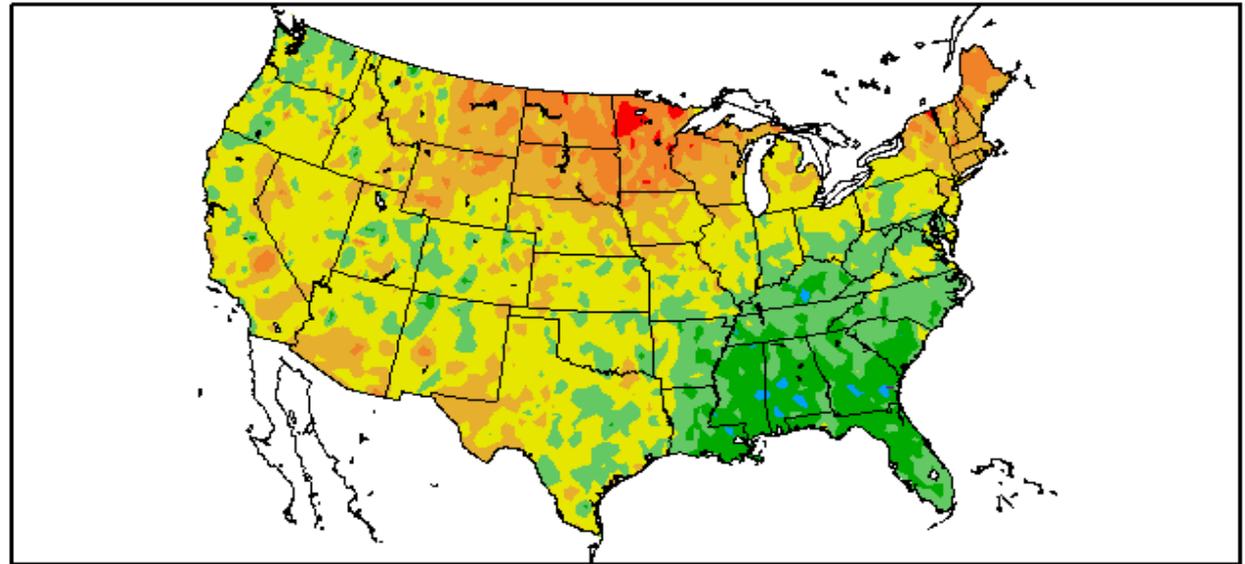
# National Monthly Average Temperature Trends

(October – Present)



# October

Departure from Normal Temperature (F)  
10/1/2011 - 10/31/2011



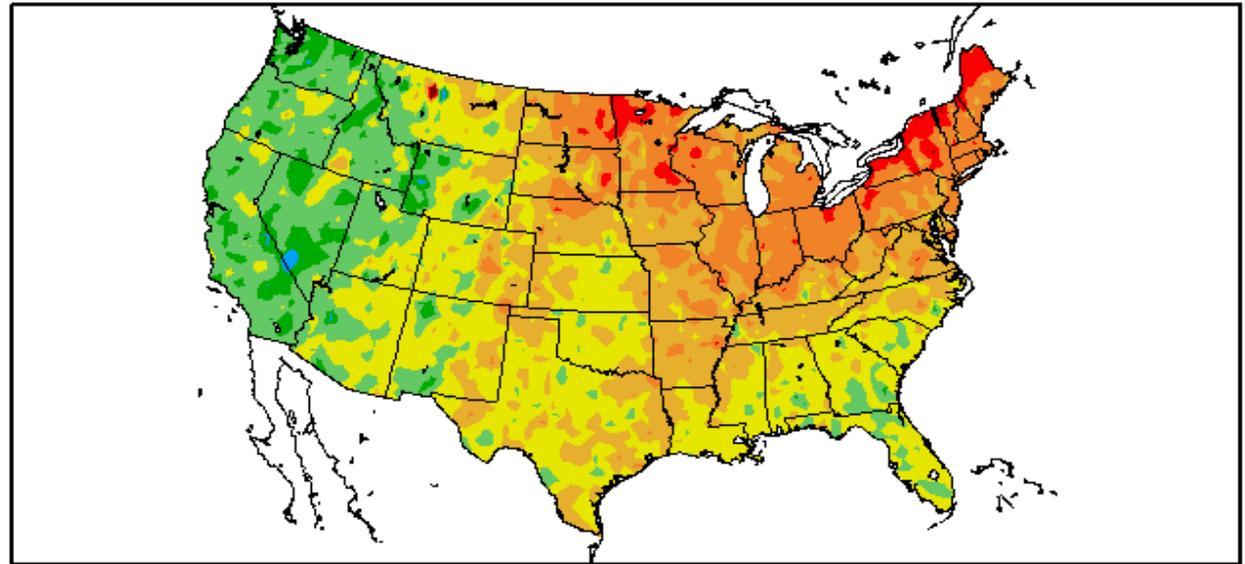
Generated 11/11/2011 at HPRCC using provisional data.

Regional Climate Centers



# November

Departure from Normal Temperature (F)  
11/1/2011 - 11/30/2011



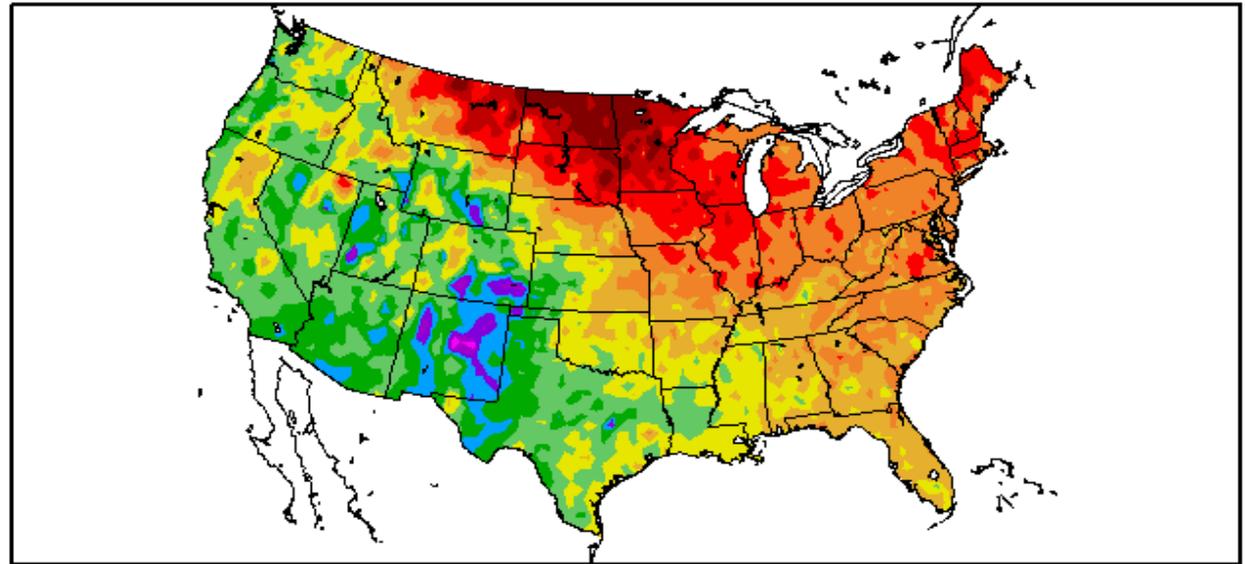
Generated 12/11/2011 at HPRCC using provisional data.

Regional Climate Centers



# December

Departure from Normal Temperature (F)  
12/1/2011 – 12/31/2011



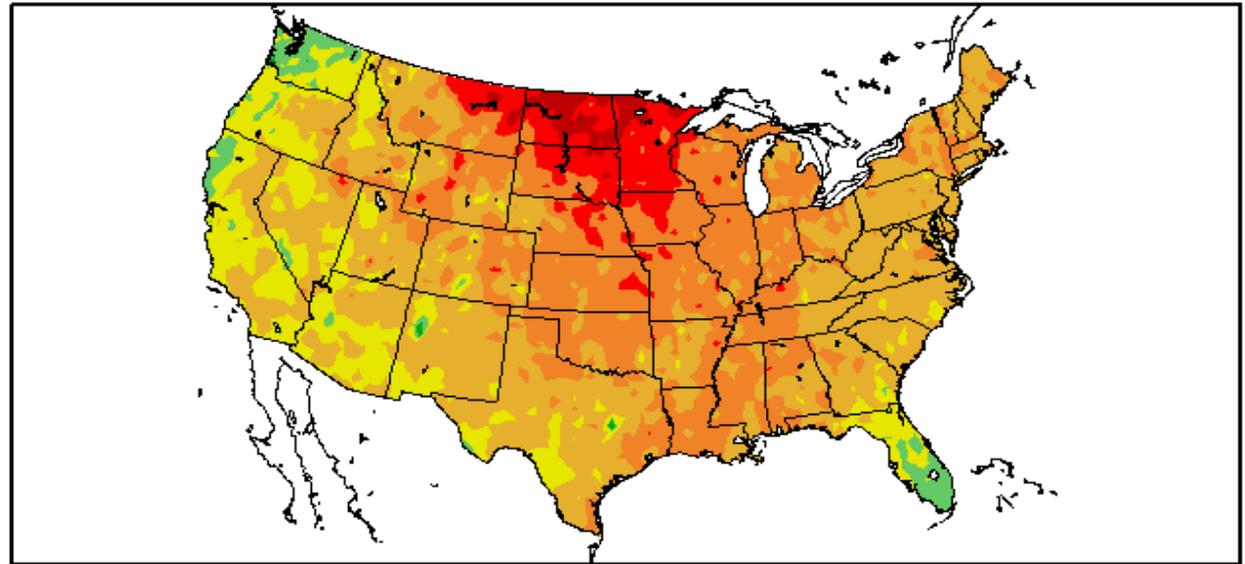
Generated 1/11/2012 at HPRCC using provisional data.

Regional Climate Centers



# January

Departure from Normal Temperature (F)  
1/1/2012 - 1/31/2012



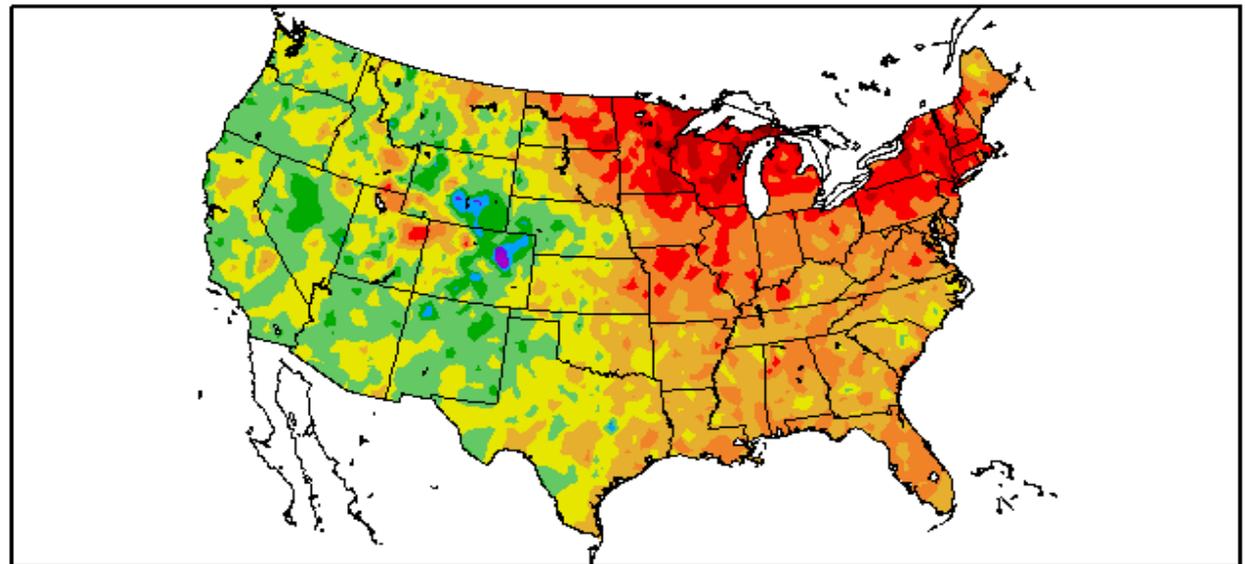
Generated 2/11/2012 at HPRCC using provisional data.

Regional Climate Centers



# February

Departure from Normal Temperature (F)  
2/1/2012 - 2/29/2012



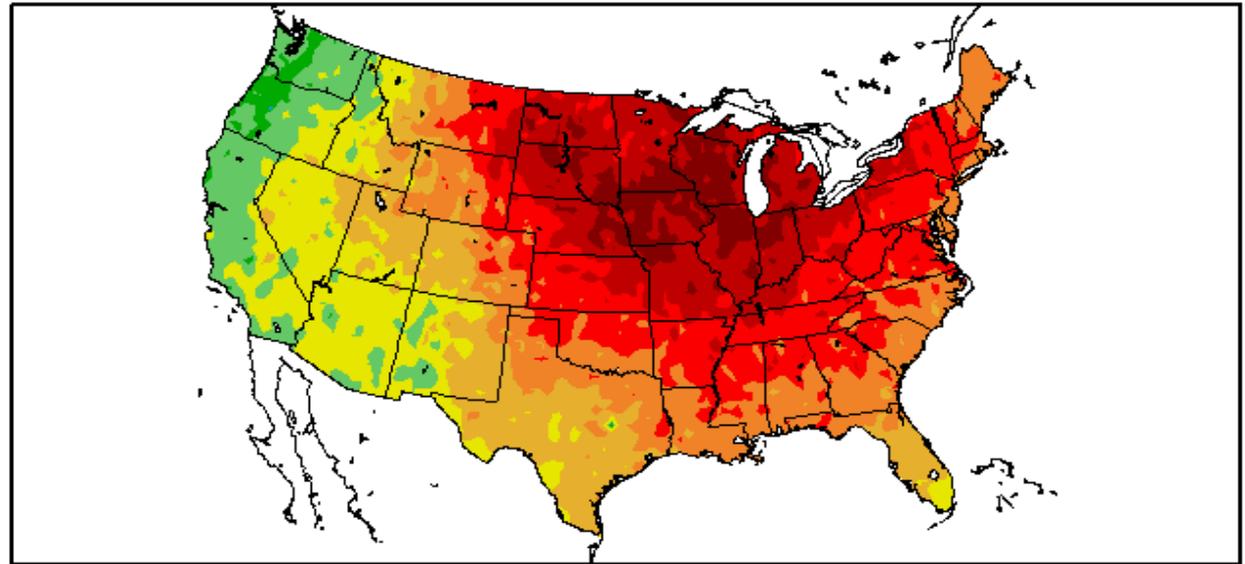
Generated 3/11/2012 at HPRCC using provisional data.

Regional Climate Centers



# March

Departure from Normal Temperature (F)  
3/1/2012 - 3/31/2012



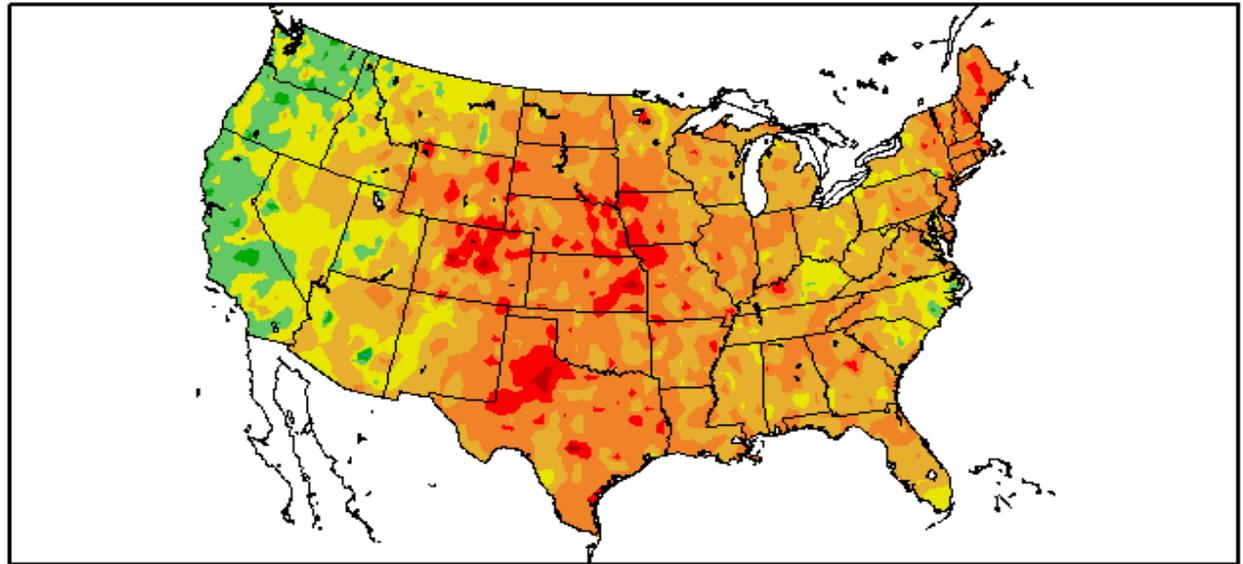
Generated 4/11/2012 at HPRCC using provisional data.

Regional Climate Centers



# April

Departure from Normal Temperature (F)  
4/1/2012 - 4/22/2012



Generated 4/23/2012 at HPRCC using provisional data.

Regional Climate Centers



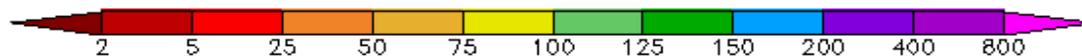
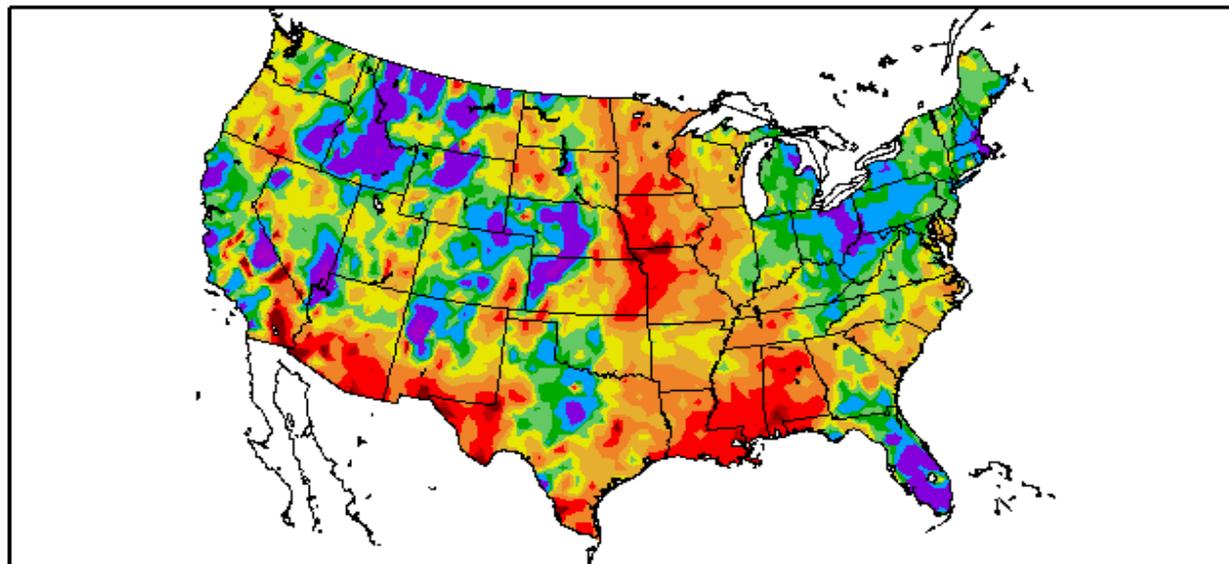
# National Monthly Precipitation Trends

(October – Present)



# October

Percent of Normal Precipitation (%)  
10/1/2011 - 10/31/2011



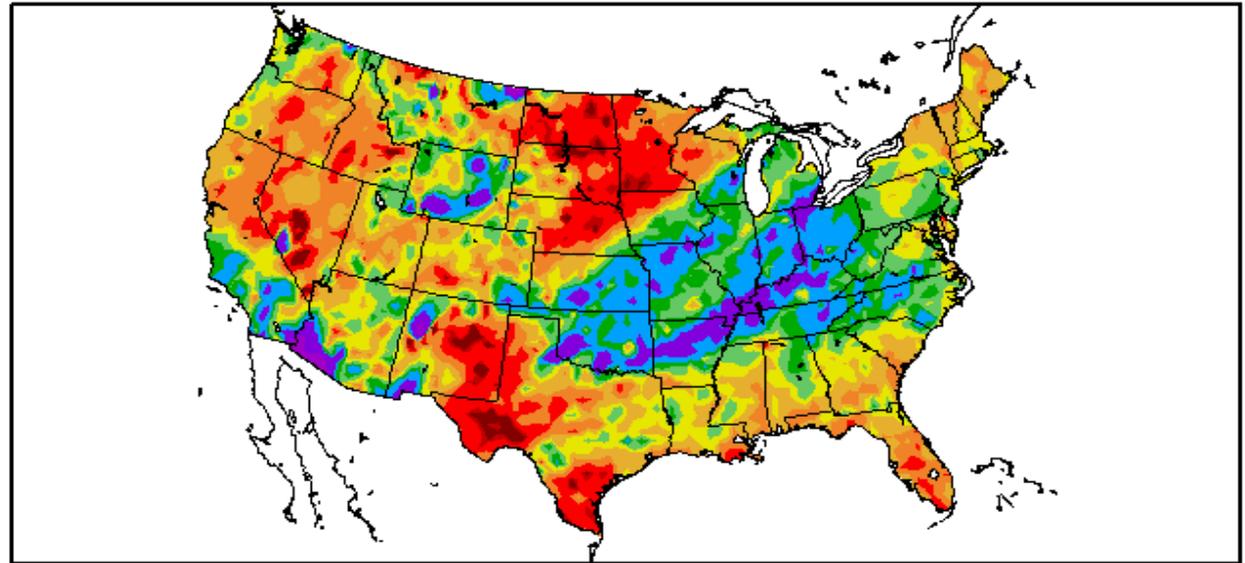
Generated 11/11/2011 at HPRCC using provisional data.

Regional Climate Centers



# November

Percent of Normal Precipitation (%)  
11/1/2011 - 11/30/2011



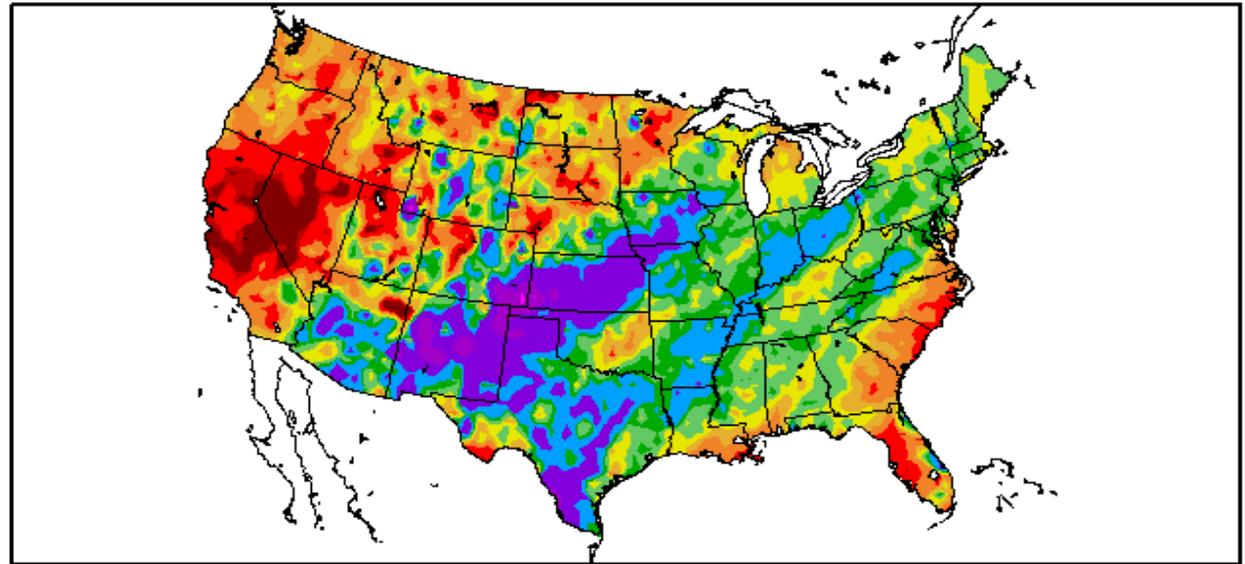
Generated 12/11/2011 at HPRCC using provisional data.

Regional Climate Centers



# December

Percent of Normal Precipitation (%)  
12/1/2011 – 12/31/2011



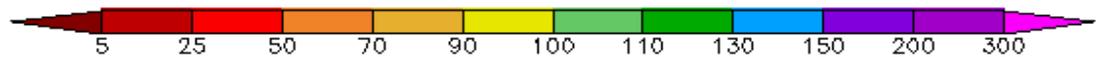
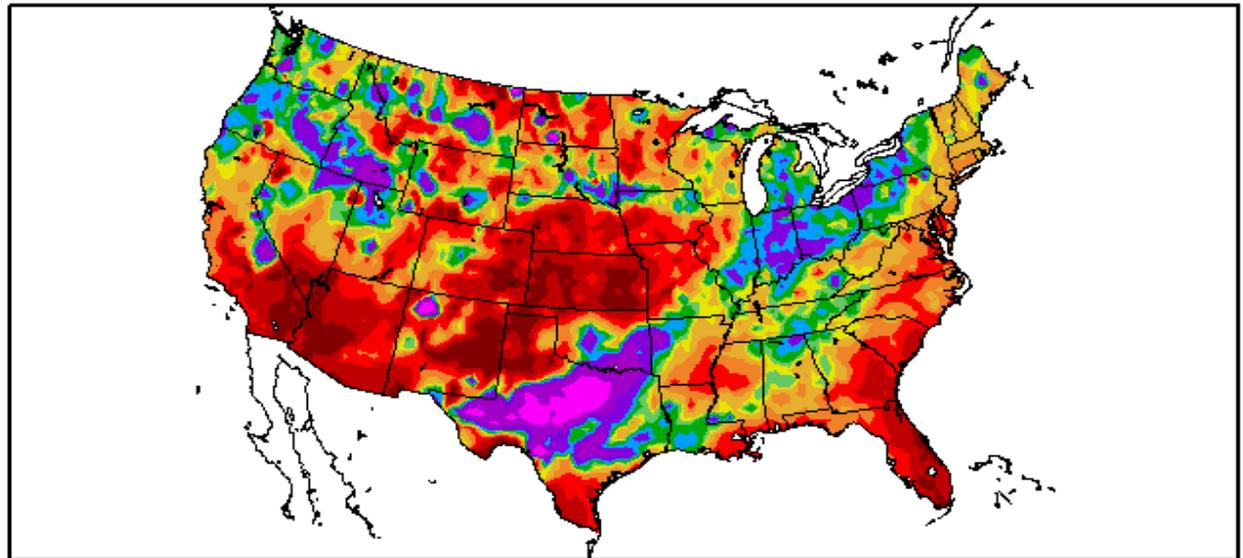
Generated 1/11/2012 at HPRCC using provisional data.

Regional Climate Centers



# January

Percent of Normal Precipitation (%)  
1/1/2012 - 1/31/2012



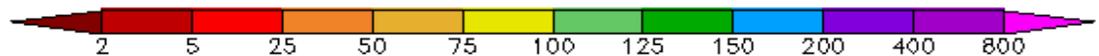
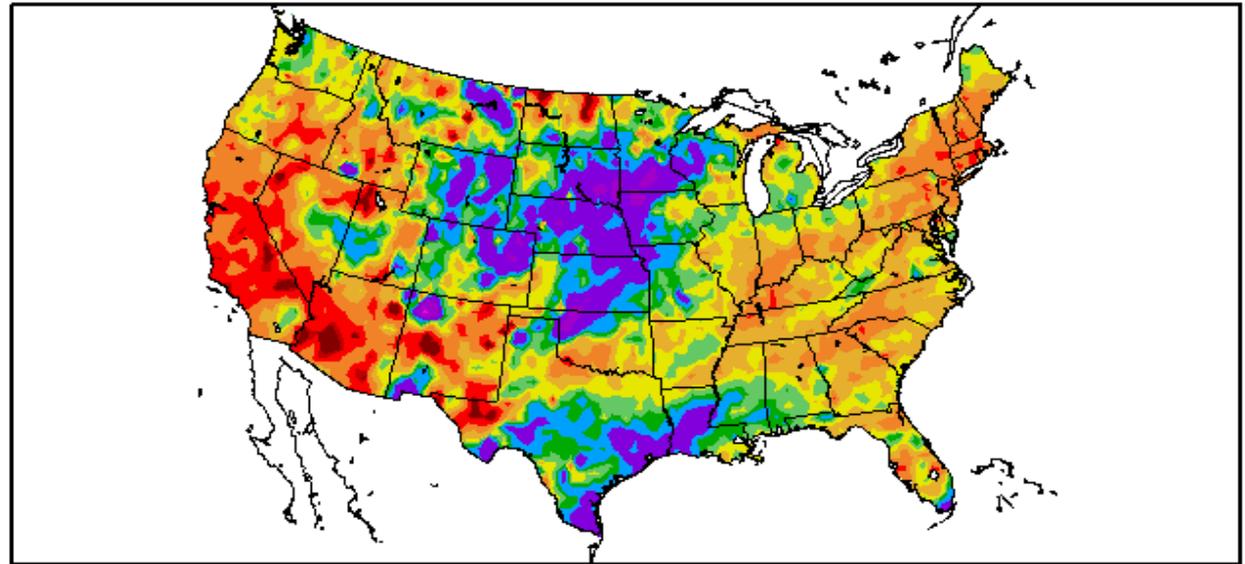
Generated 2/11/2012 at HPRCC using provisional data.

Regional Climate Centers



# February

Percent of Normal Precipitation (%)  
2/1/2012 - 2/29/2012



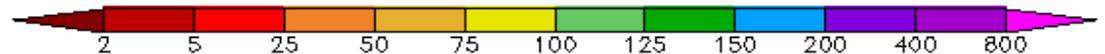
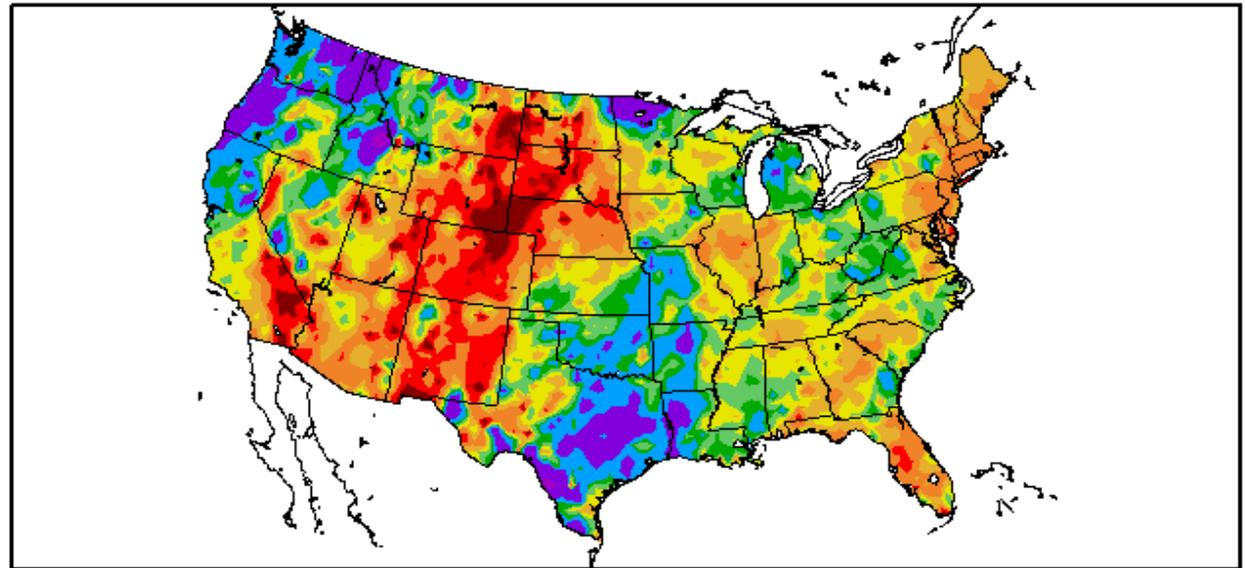
Generated 3/11/2012 at HPRCC using provisional data.

Regional Climate Centers



# March

Percent of Normal Precipitation (%)  
3/1/2012 - 3/31/2012



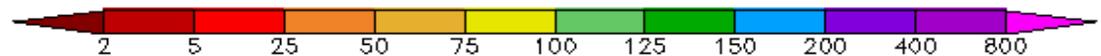
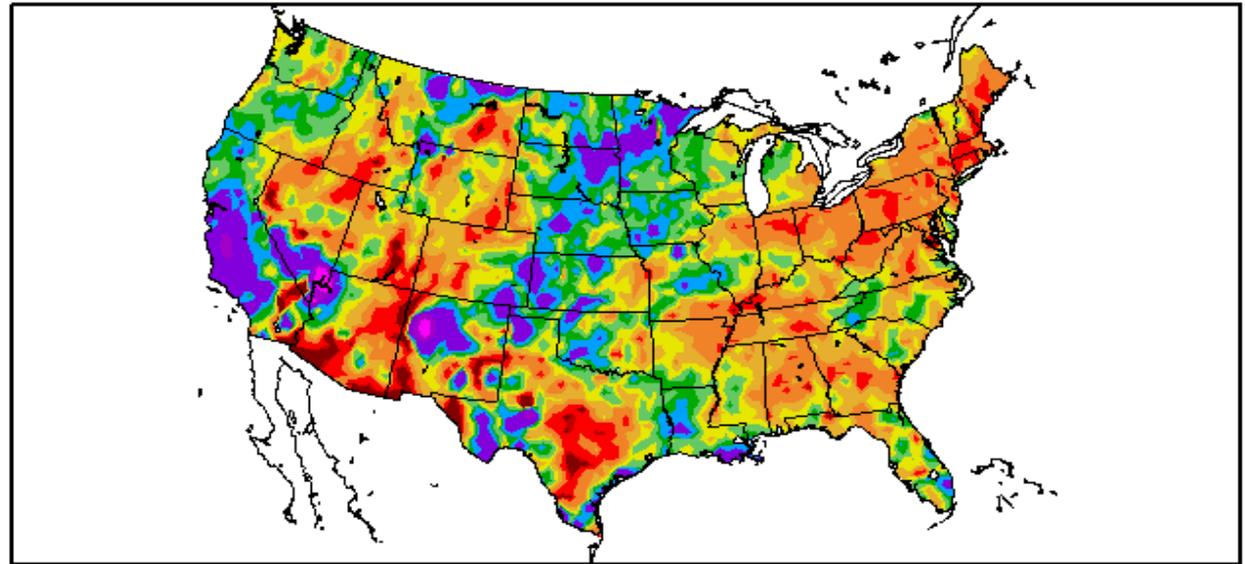
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Regional Climate Centers



# April

Percent of Normal Precipitation (%)  
4/1/2012 - 4/22/2012



Generated 4/23/2012 at HPRCC using provisional data.

Regional Climate Centers

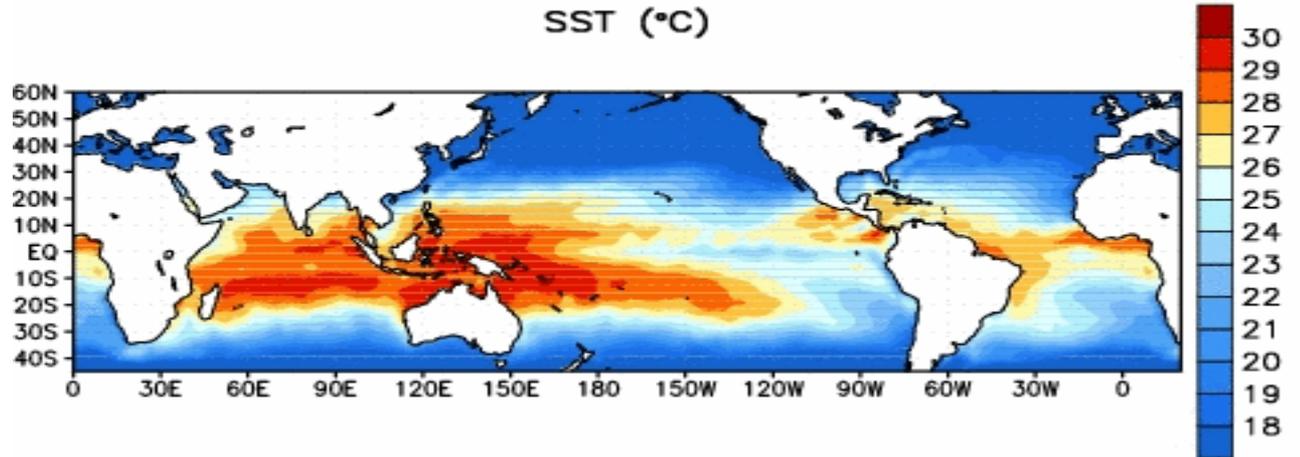


# Composite Trends

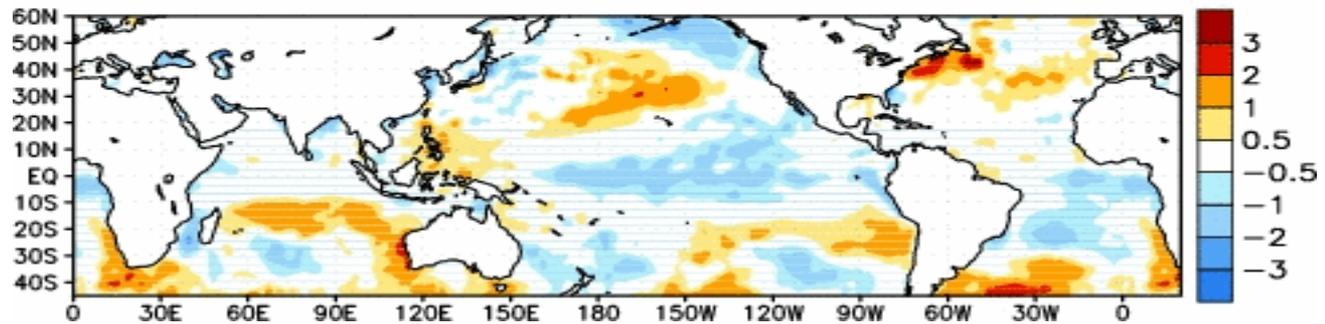
(October – Present)



Week centered on 01 FEB 2012  
SST (°C)

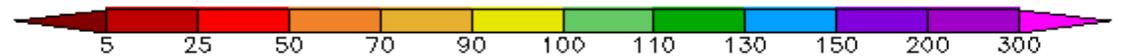
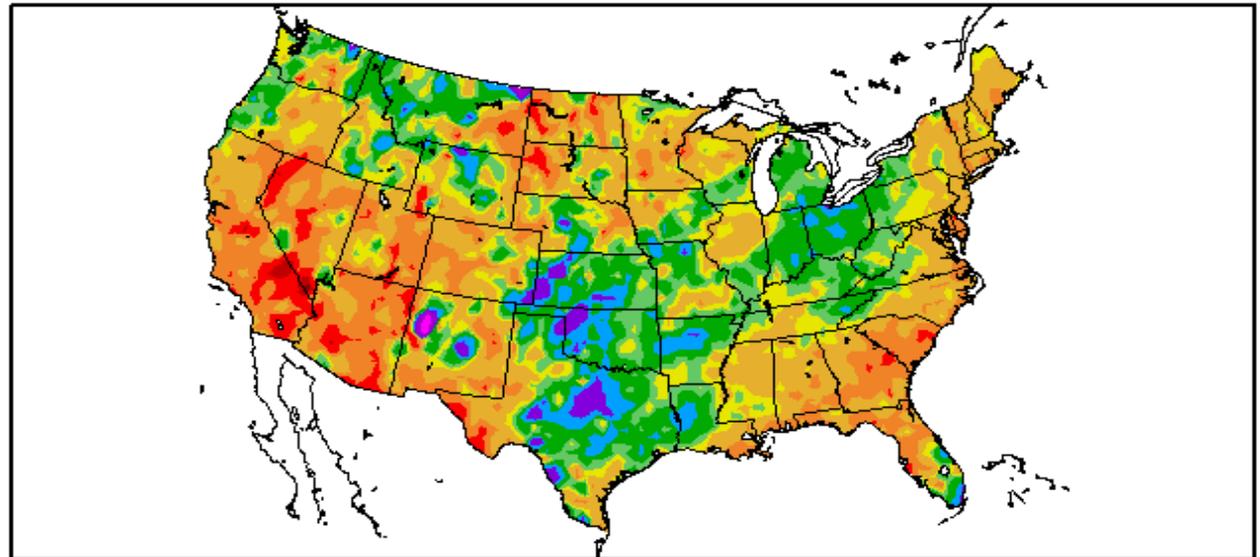


Anomalies (°C)



# National Precipitation Trend

Percent of Normal Precipitation (%)  
10/1/2011 – 4/22/2012



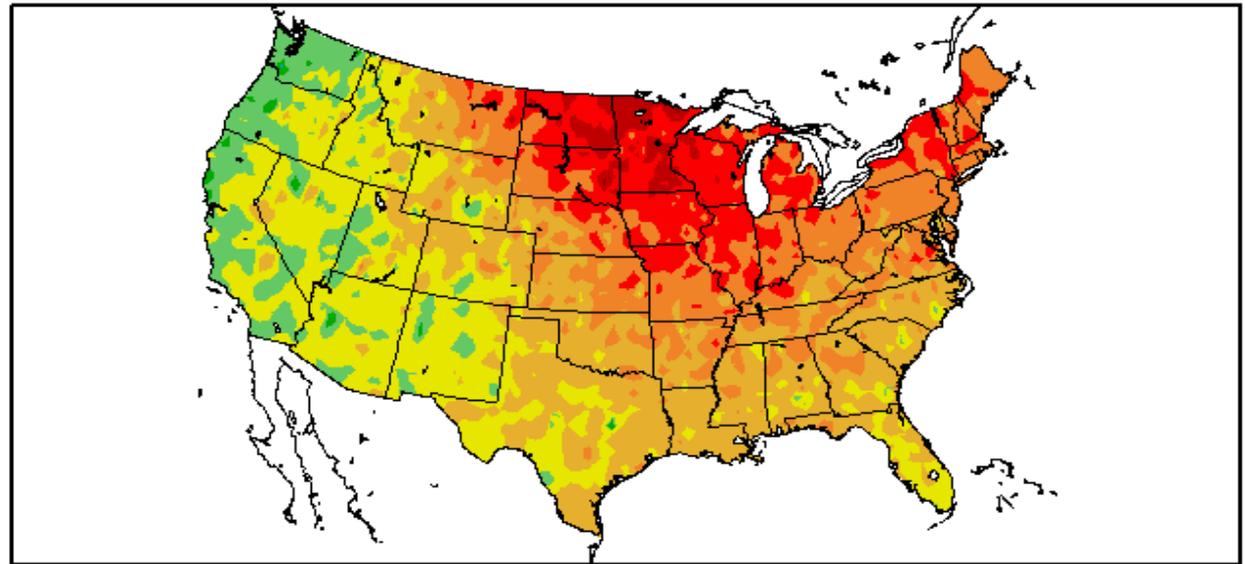
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# National Temperature Trend

Departure from Normal Temperature (F)  
10/1/2011 – 4/22/2012



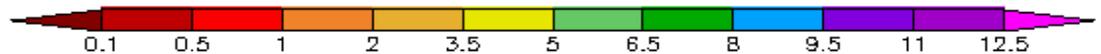
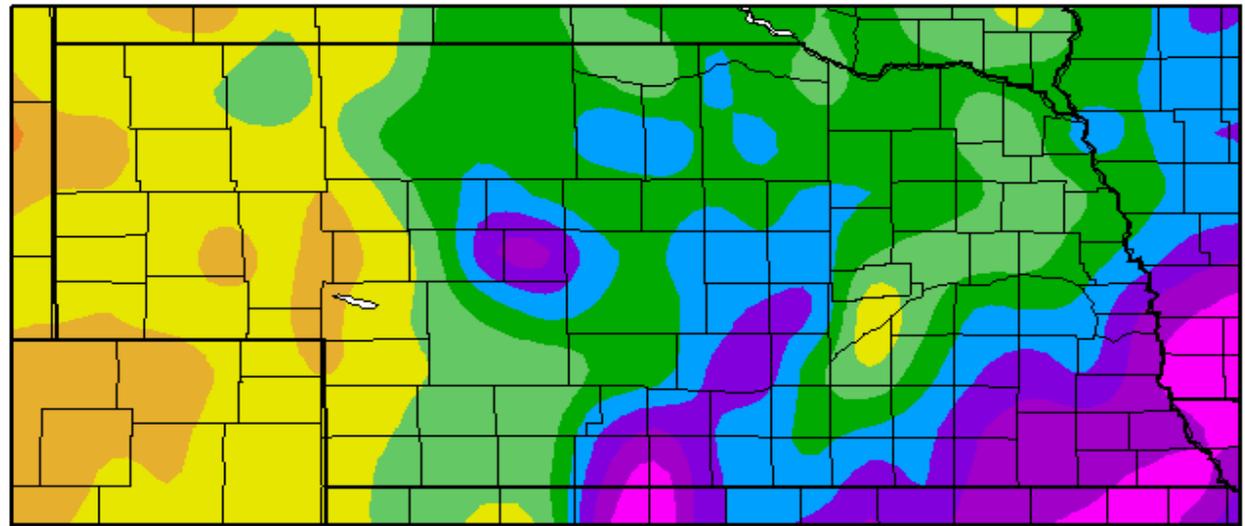
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# Nebraska Precipitation

Precipitation (in)  
10/1/2011 - 4/22/2012



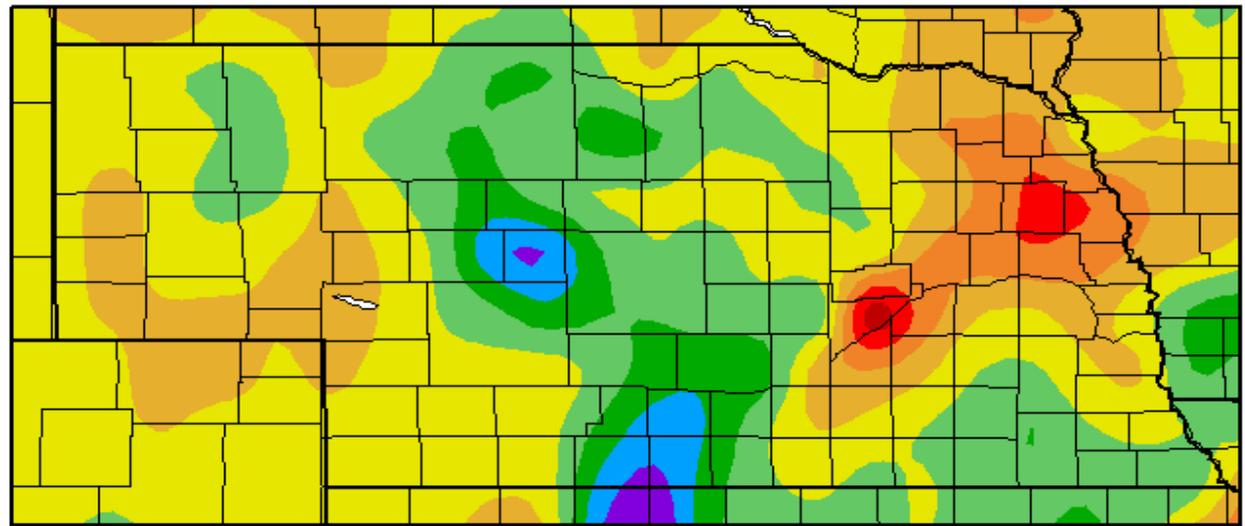
Generated 4/23/2012 at HPRCC using provisional data.

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# Nebraska Precipitation Departures

Departure from Normal Precipitation (in)  
10/1/2011 - 4/21/2012



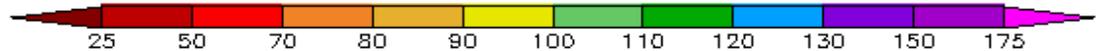
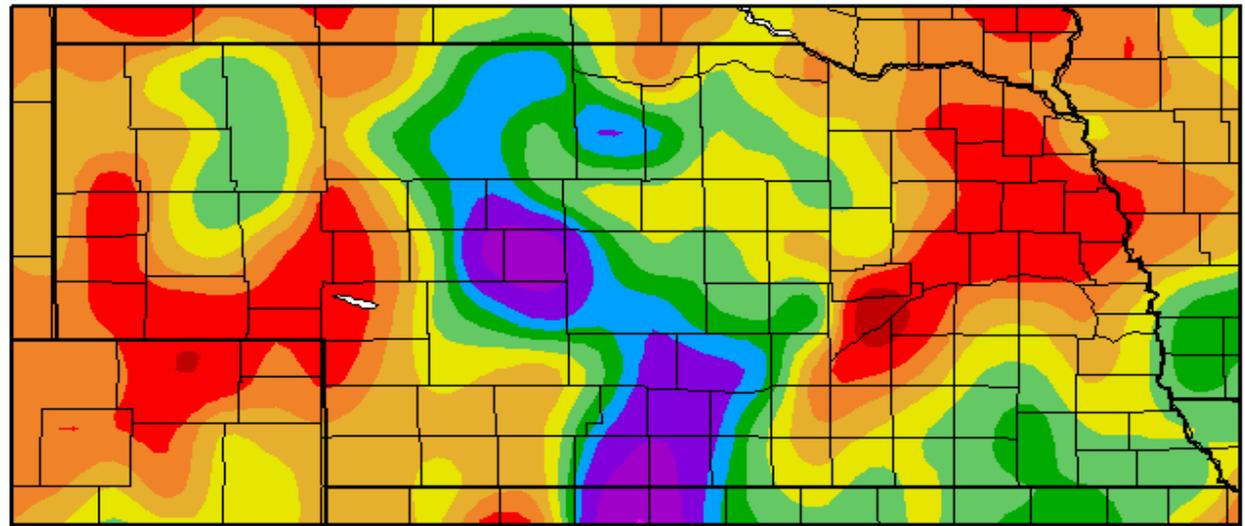
Generated 4/22/2012 at HPRCC using provisional data.

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# Nebraska Percent of Normal Precipitation

Percent of Normal Precipitation (%)  
10/1/2011 – 4/22/2012



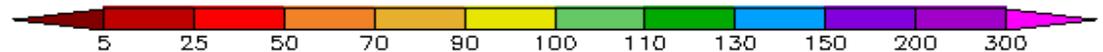
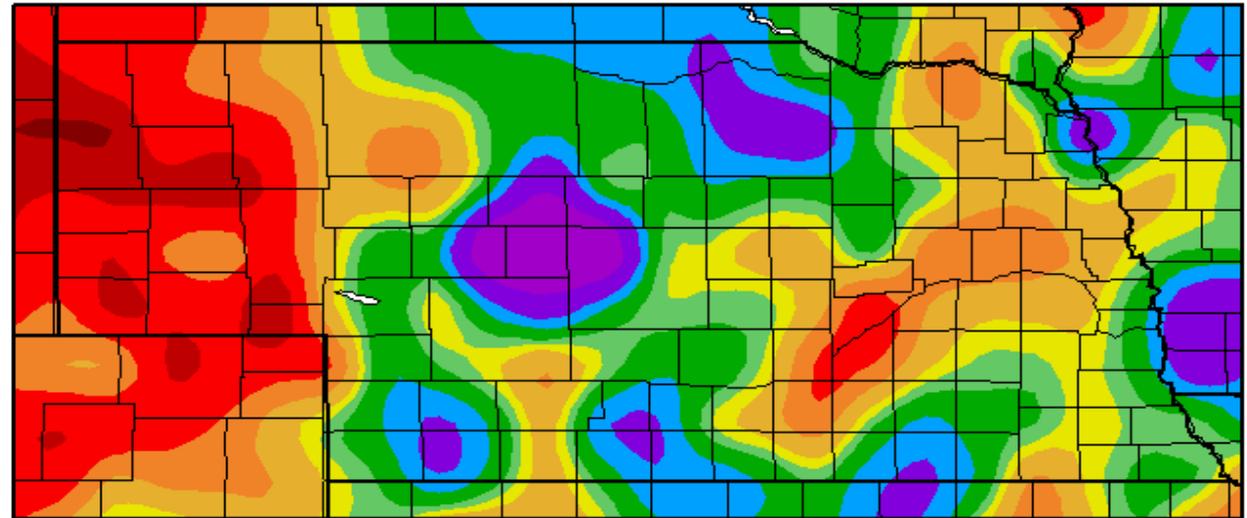
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# 90-day Precipitation Trend

Percent of Normal Precipitation (%)  
3/24/2012 – 4/22/2012



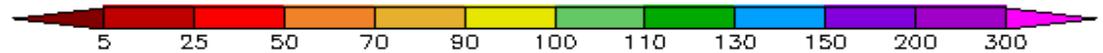
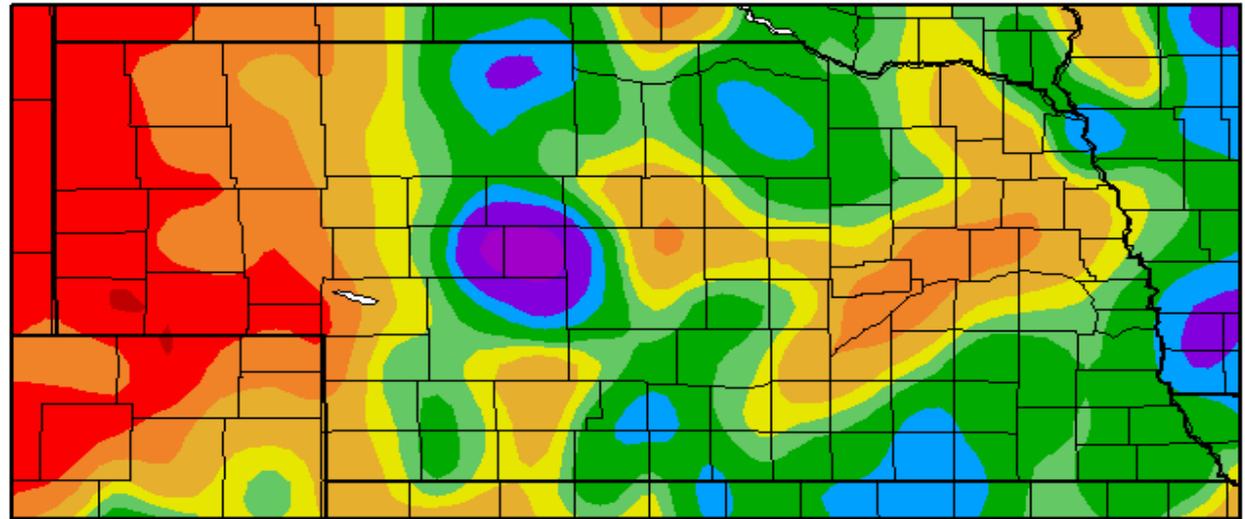
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# 30-day Precipitation Trend

Percent of Normal Precipitation (%)  
1/24/2012 – 4/22/2012



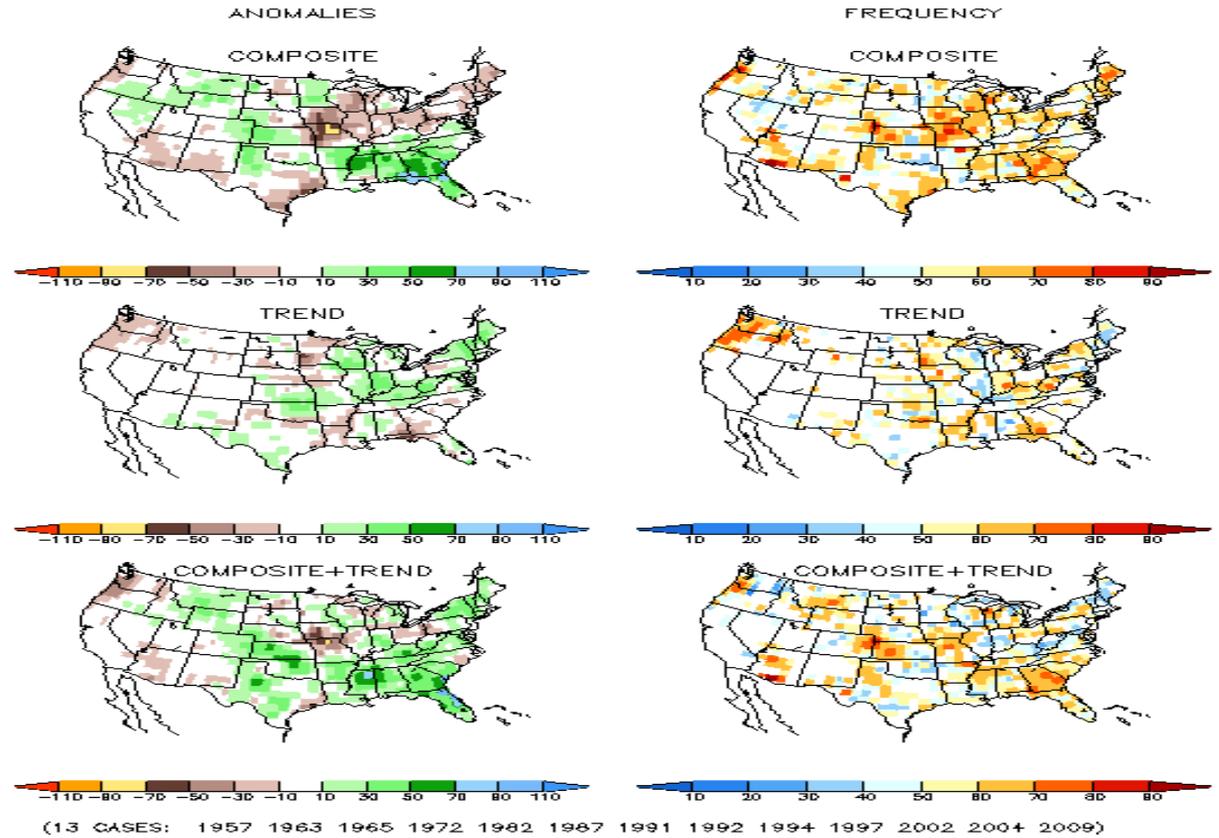
Generated 4/23/2012 at HPRCC using provisional data.

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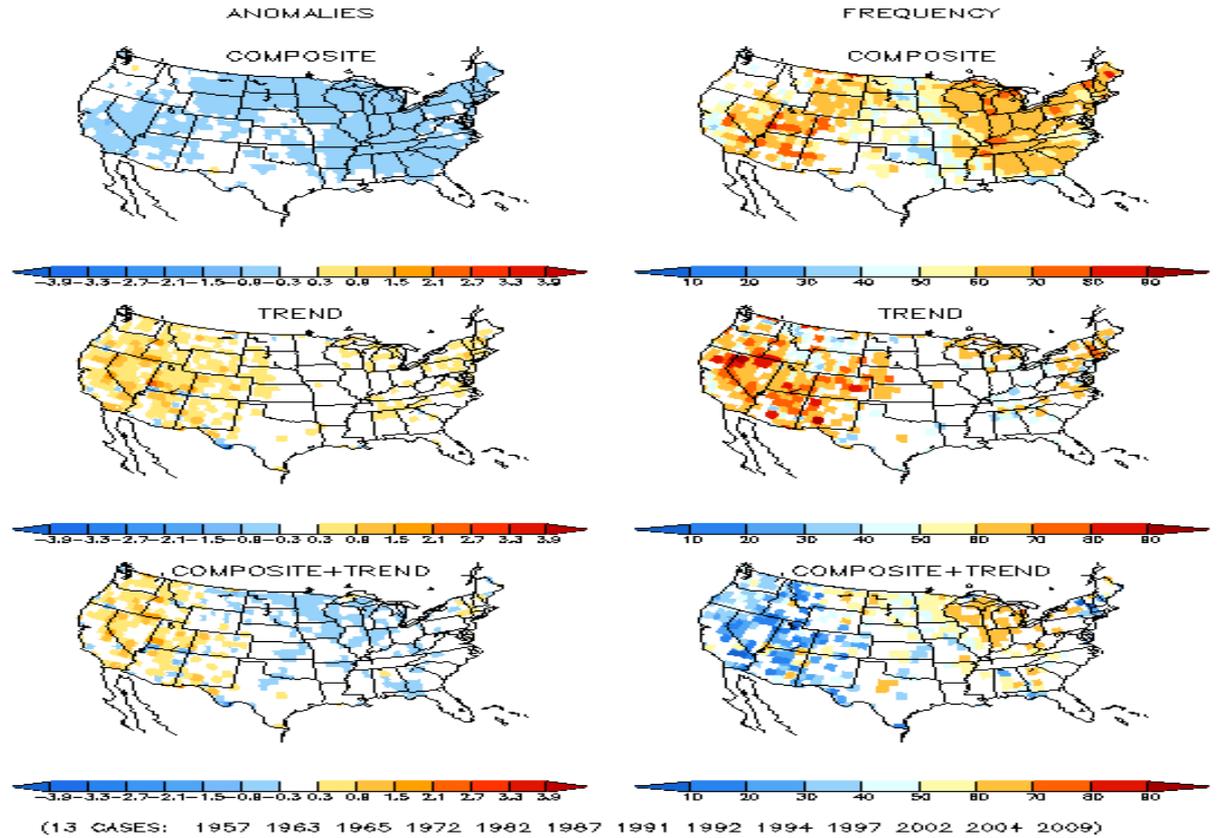
# El Nino Summer Precipitation Tendency

JJA EL NINO PRECIPITATION ANOMALIES (MM)  
AND FREQUENCY OF OCCURRENCE (%)



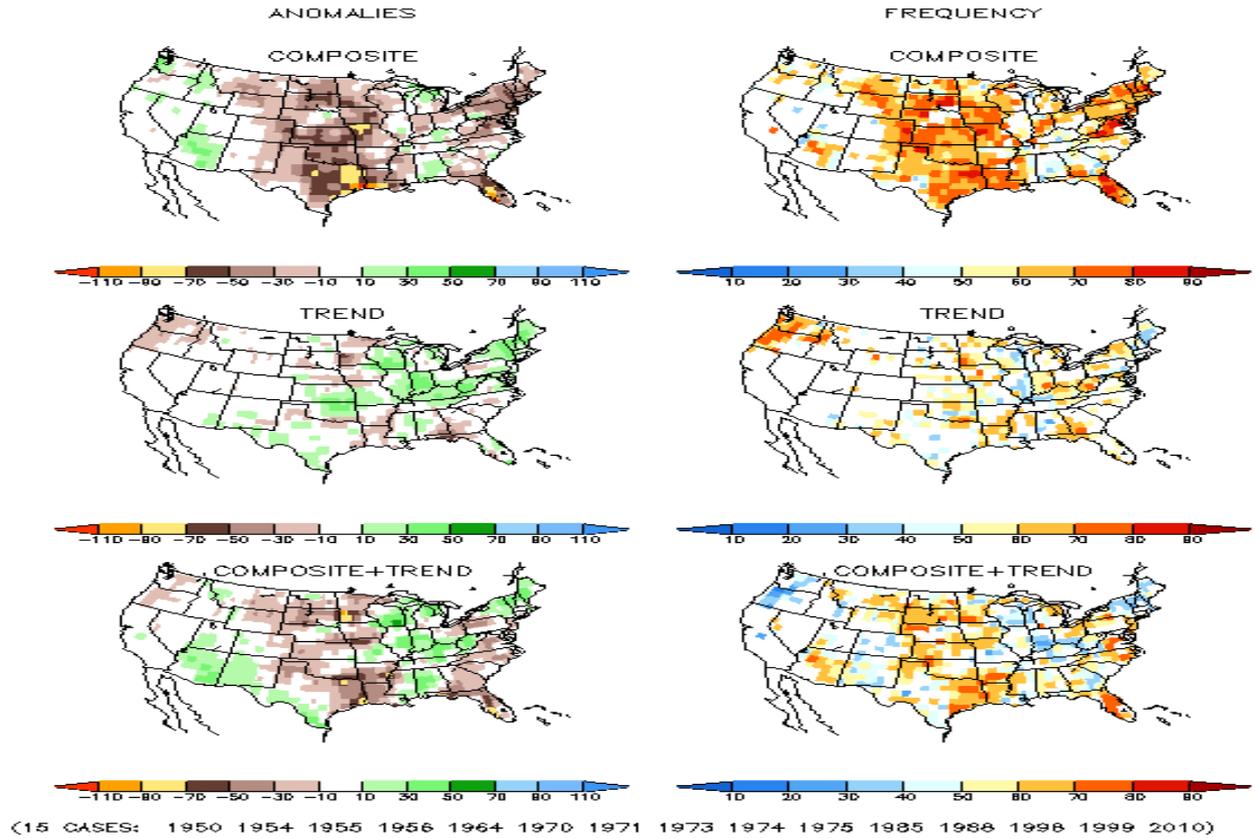
# El Nino Summer Temperature Tendency

JJA EL NINO TEMPERATURE ANOMALIES (C)  
AND FREQUENCY OF OCCURRENCE (%)



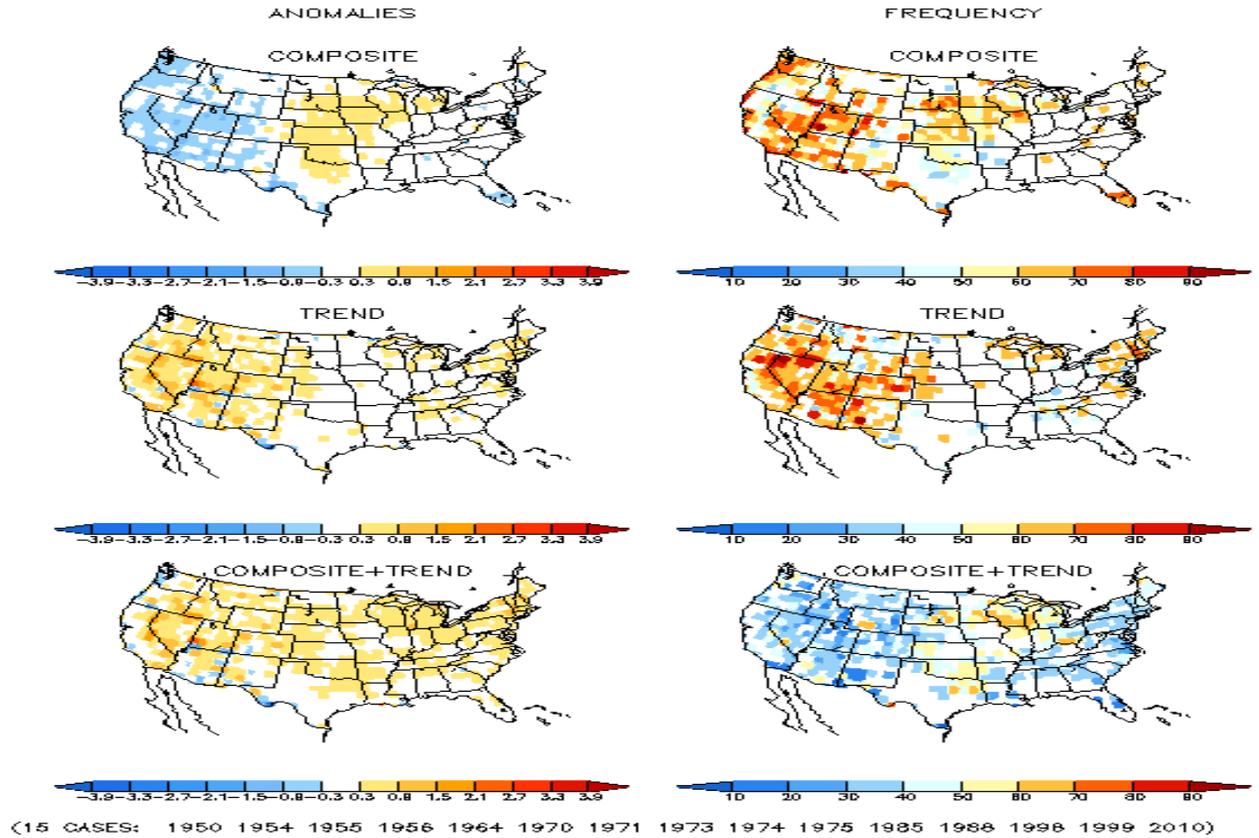
# La Nina Summer Precipitation Tendency

JJA LA NINA PRECIPITATION ANOMALIES (MM)  
AND FREQUENCY OF OCCURRENCE (%)

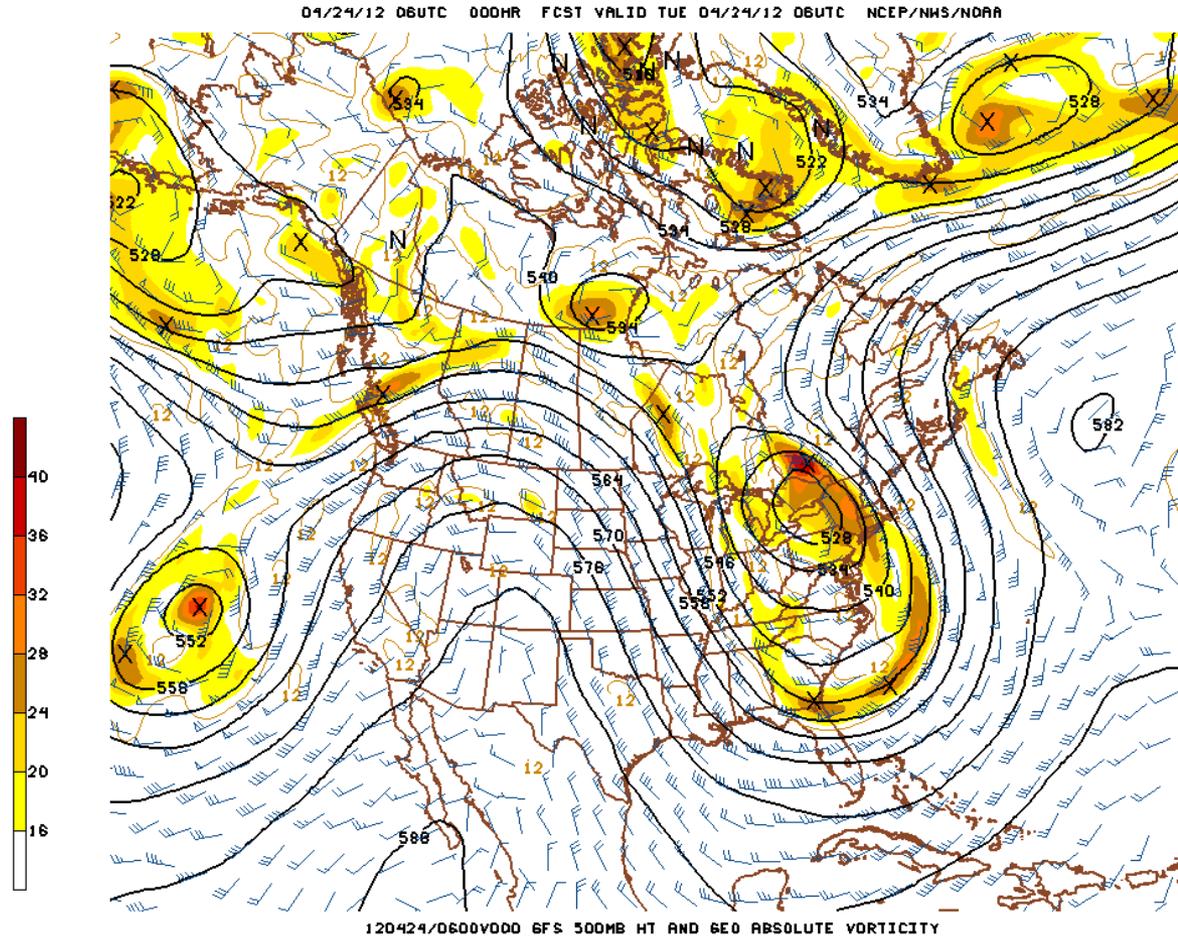


# La Nina Summer Temperature Tendency

JJA LA NINA TEMPERATURE ANOMALIES (C)  
AND FREQUENCY OF OCCURRENCE (%)



# Current Upper Air Pattern



# Conclusions

- Persistent dryness northeast
- Short term dryness Panhandle
- Abysmal snowpack
- Early green up – frost/freeze?
- Plant water cycle advanced
- Planting advanced
- Fire danger – low RH high winds
- Early severe weather
- La Nina out – El Nino in?
- Drought Alert

