

Ed Kieser 

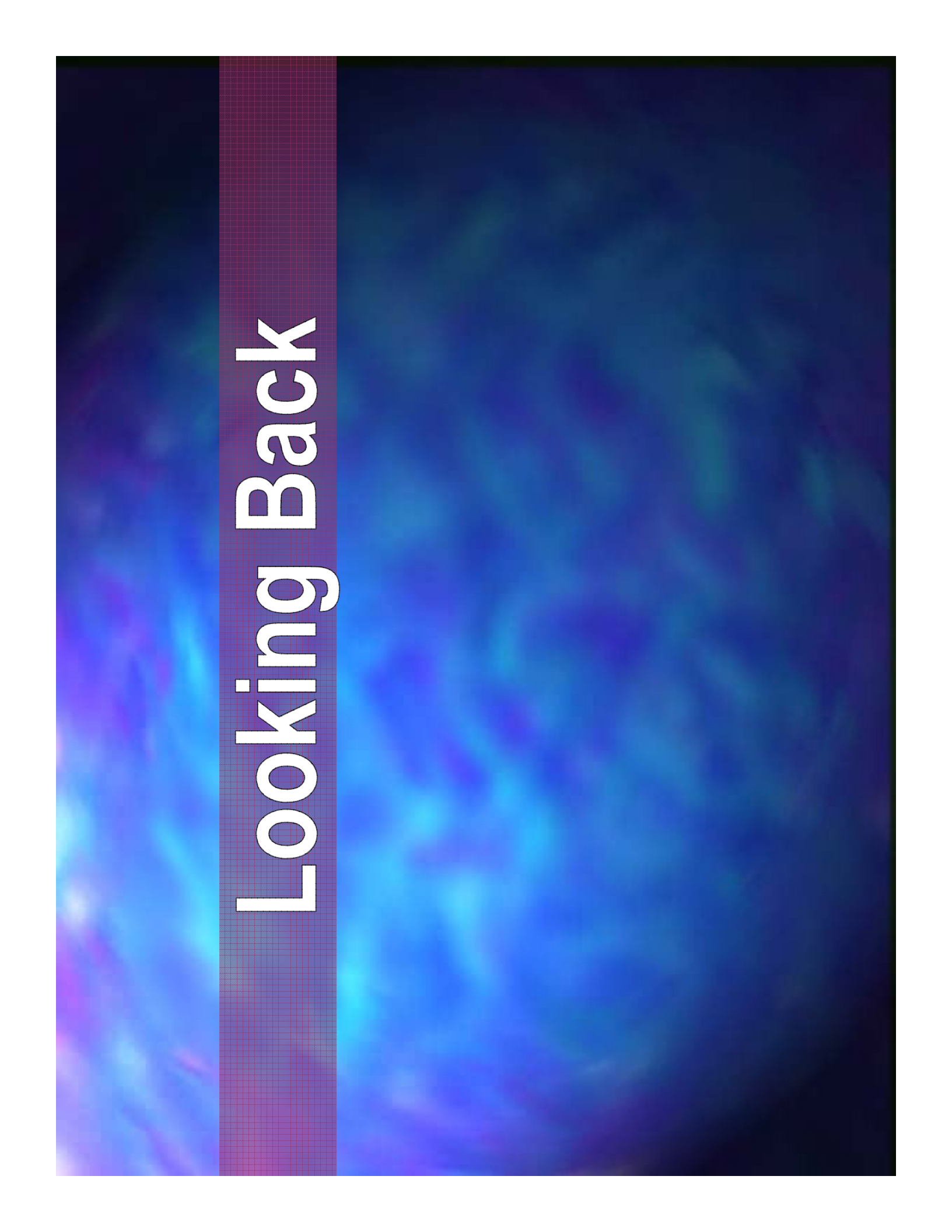
WILL_{am}580

presents

Weather Update

WILL All-Day Ag Outlook Meeting

March 4, 2008

The image features a vertical gradient background transitioning from light blue on the left to dark purple on the right. A central vertical band with a fine grid pattern is overlaid on this background. The text "Looking Back" is written vertically in white, bold, sans-serif font across this central band.

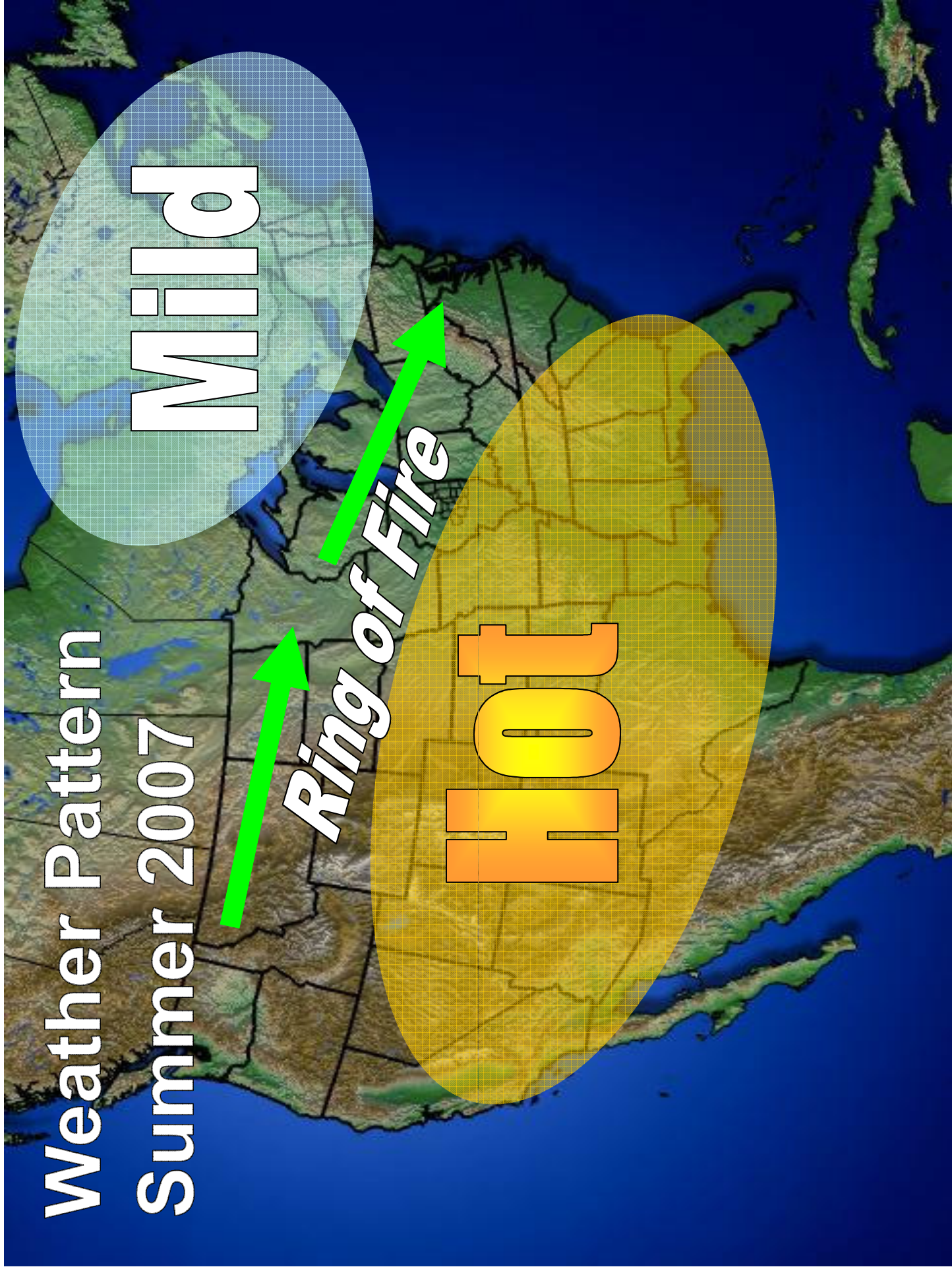
Looking Back

Weather Pattern Summer 2007

Mild

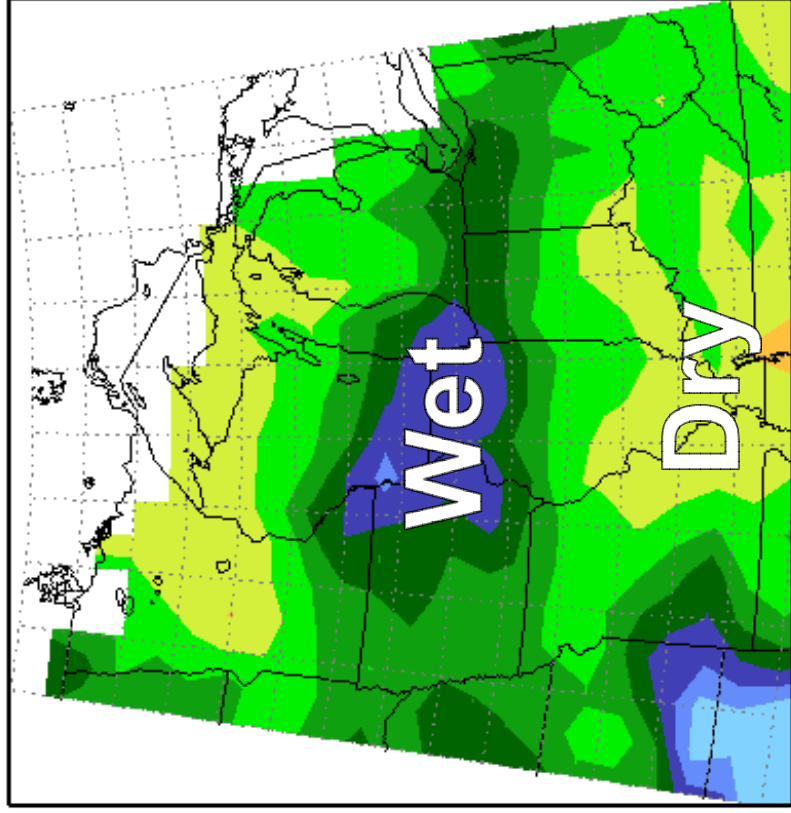
Ring of Fire

HOT



Summer 2007 – Rainfall

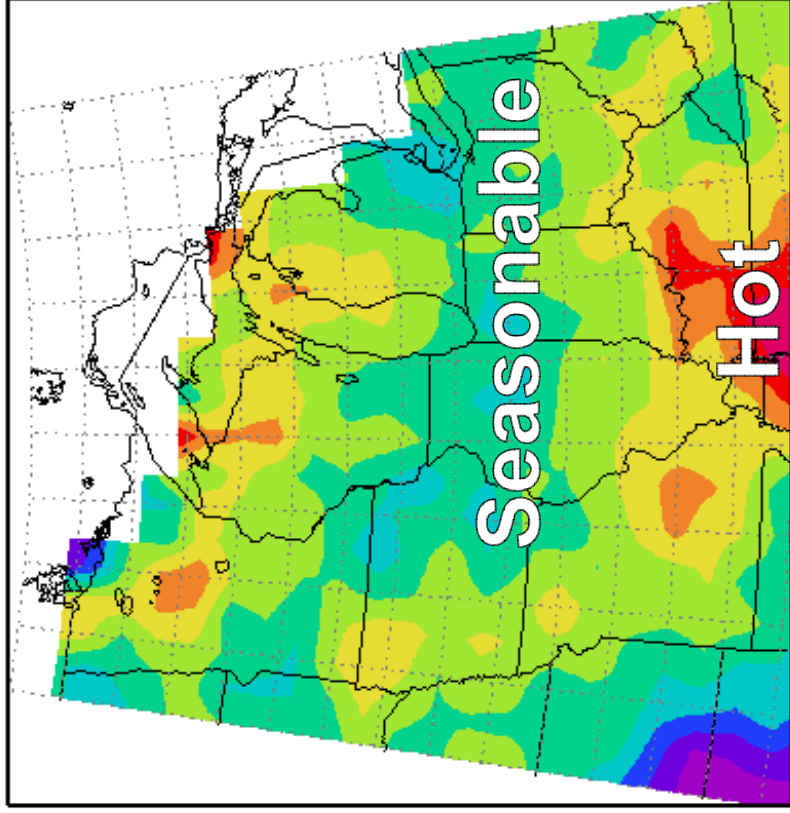
Total Precipitation Percent of Mean
June 1, 2007 to August 31, 2007



Midwestern Regional Climate Center
Illinois State Water Survey
Champaign, Illinois

Summer 2007 - Temperature

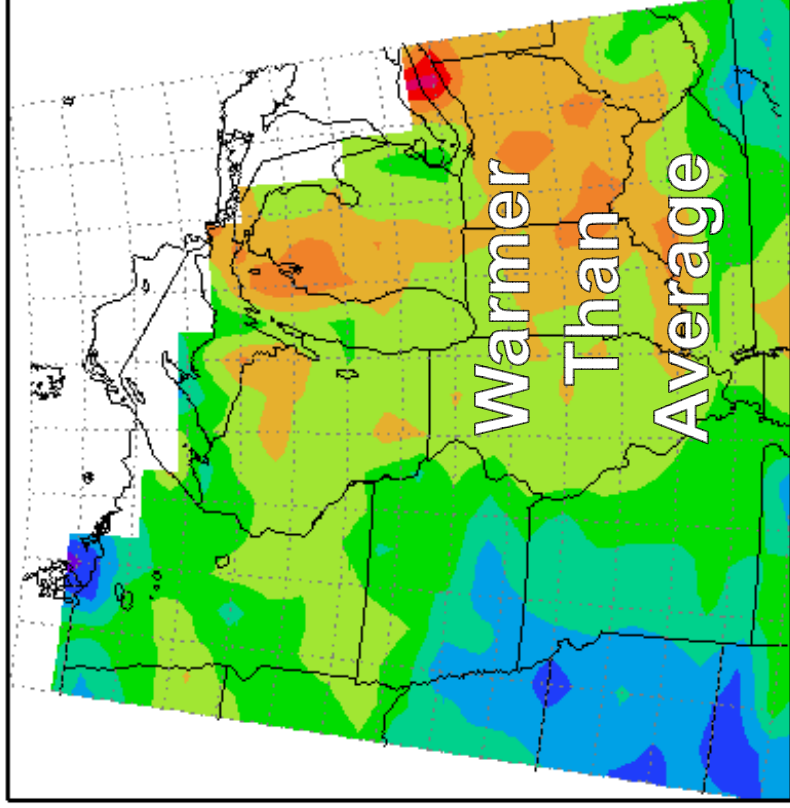
Average Temperature Departure from Mean in Degrees F
June 1, 2007 to August 31, 2007



Midwestern Regional Climate Center
Illinois State Water Survey
Champaign, Illinois

Fall 2007 - Temperature

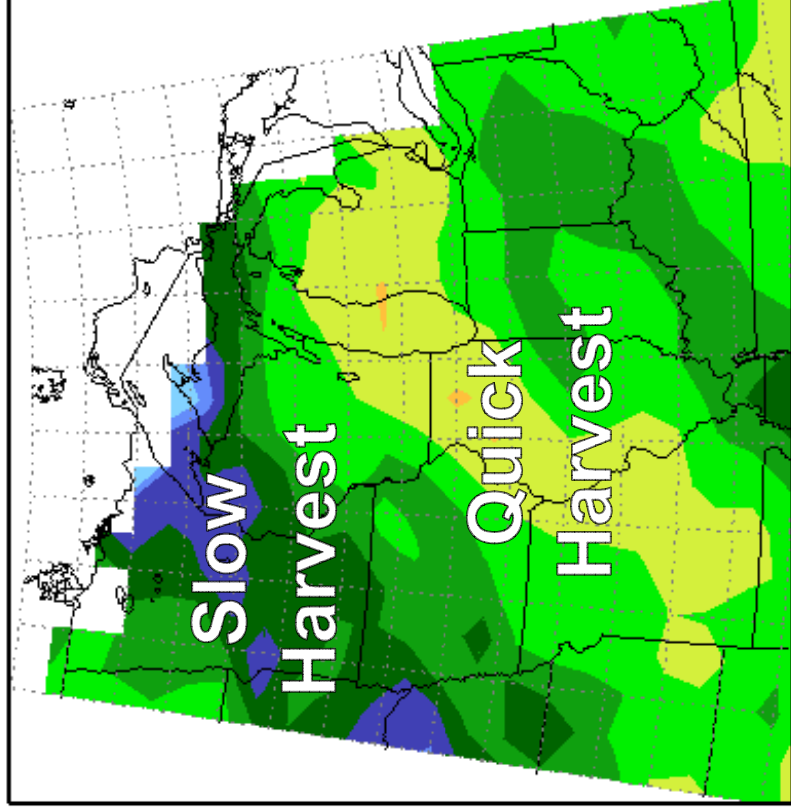
Average Temperature Departure from Mean in Degrees F
September 1, 2007 to November 30, 2007



Midwestern Regional Climate Center
Illinois State Water Survey
Champaign, Illinois

Fall 2007 - Precipitation

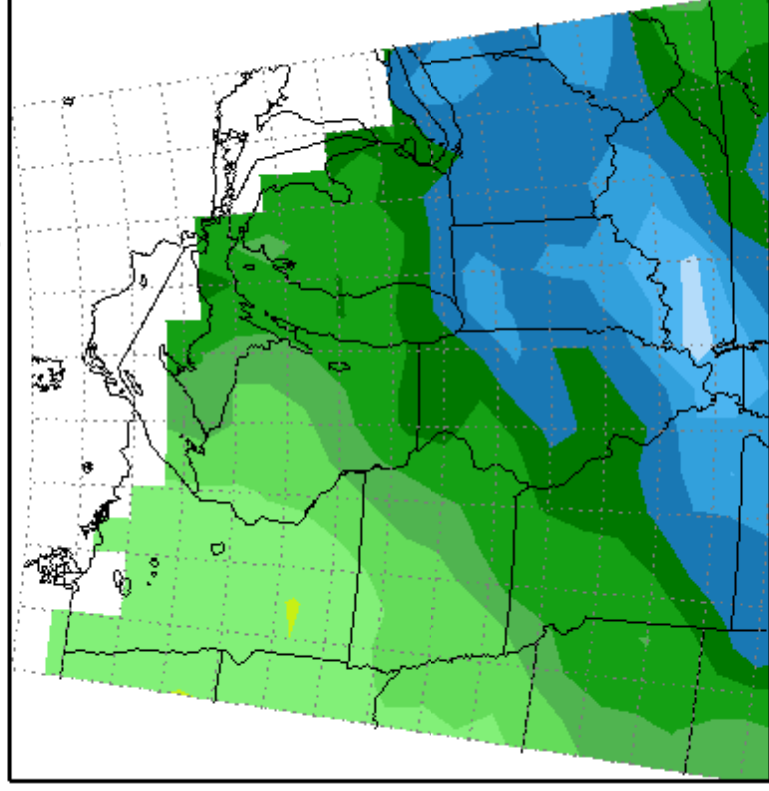
Total Precipitation Percent of Mean
September 1, 2007 to November 30, 2007



Midwestern Regional Climate Center
Illinois State Water Survey
Champaign, Illinois

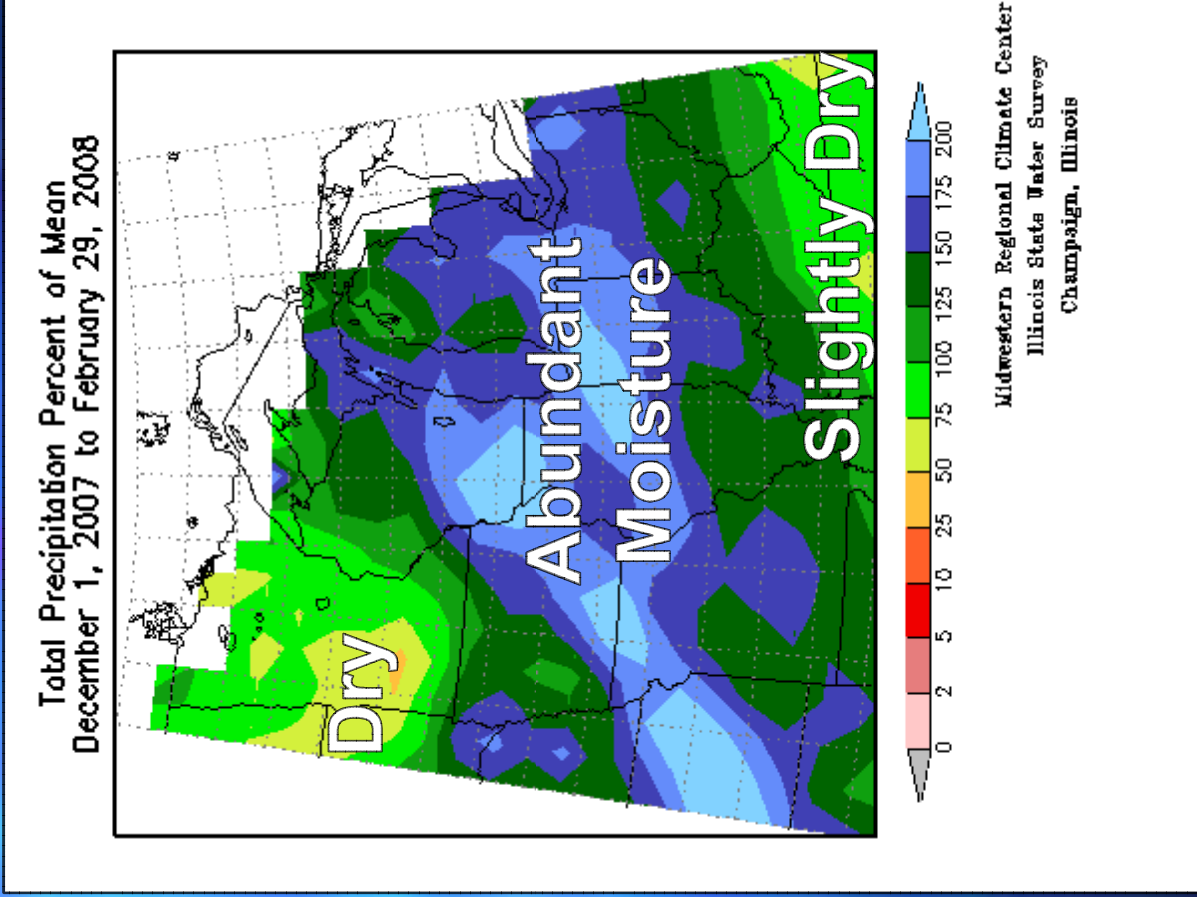
Winter 2007-2008 - Precipitation

Total Precipitation in Inches
December 1, 2007 to February 29, 2008



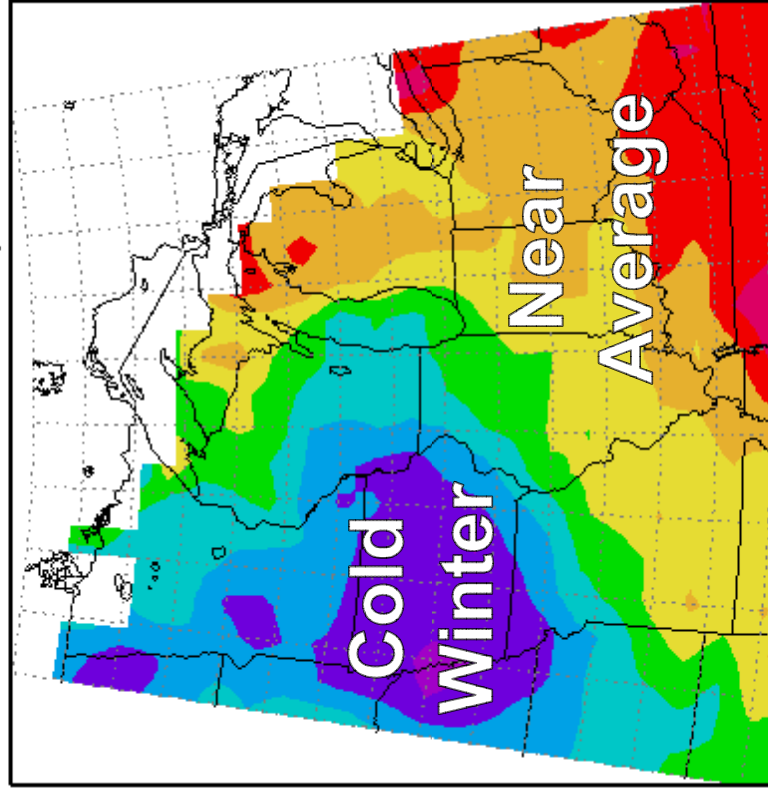
Midwestern Regional Climate Center
Illinois State Water Survey
Champaign, Illinois

Winter 2007-2008 - Precipitation



Winter 2007-2008 - Temperature

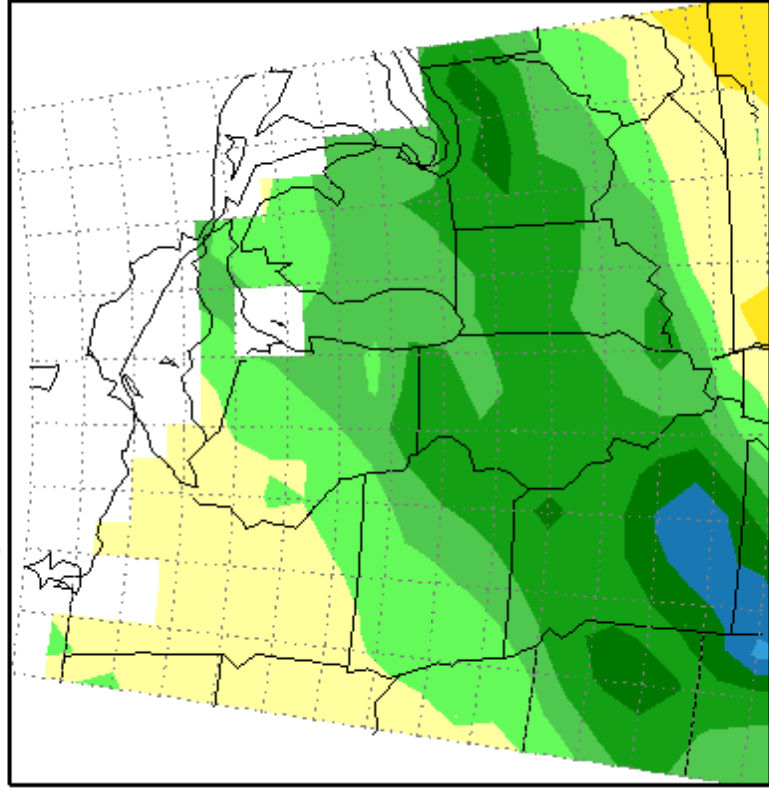
Average Temperature Departure from Mean in Degrees F
December 1, 2007 to February 29, 2008



Midwestern Regional Climate Center
Illinois State Water Survey
Champaign, Illinois

30-Day Precipitation Departure

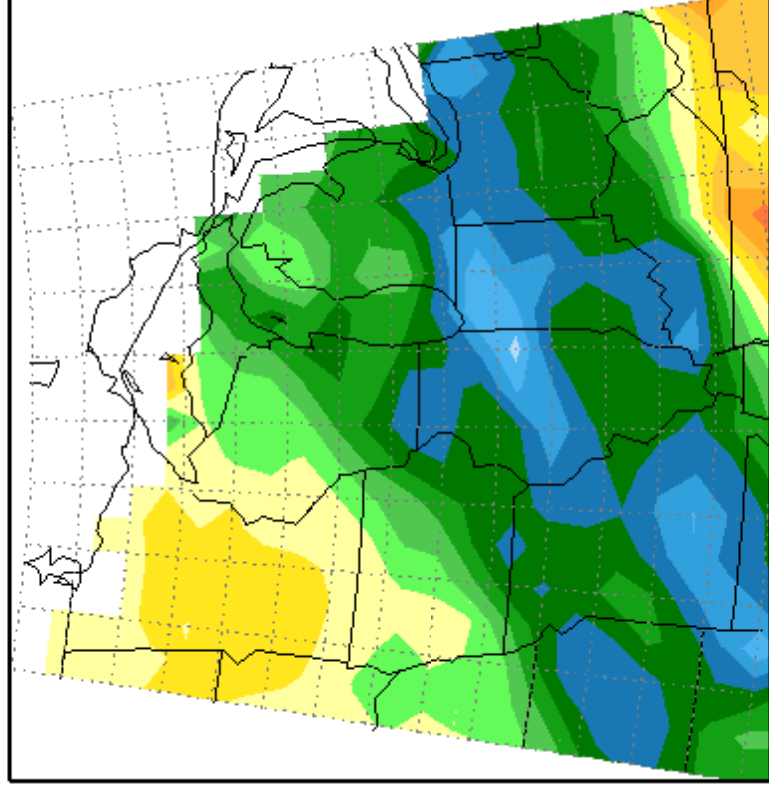
Total Precipitation Departure from Mean in Inches
February 3, 2008 to March 3, 2008



Midwestern Regional Climate Center
Illinois State Water Survey
Champaign, Illinois

90-Day Precipitation Departure

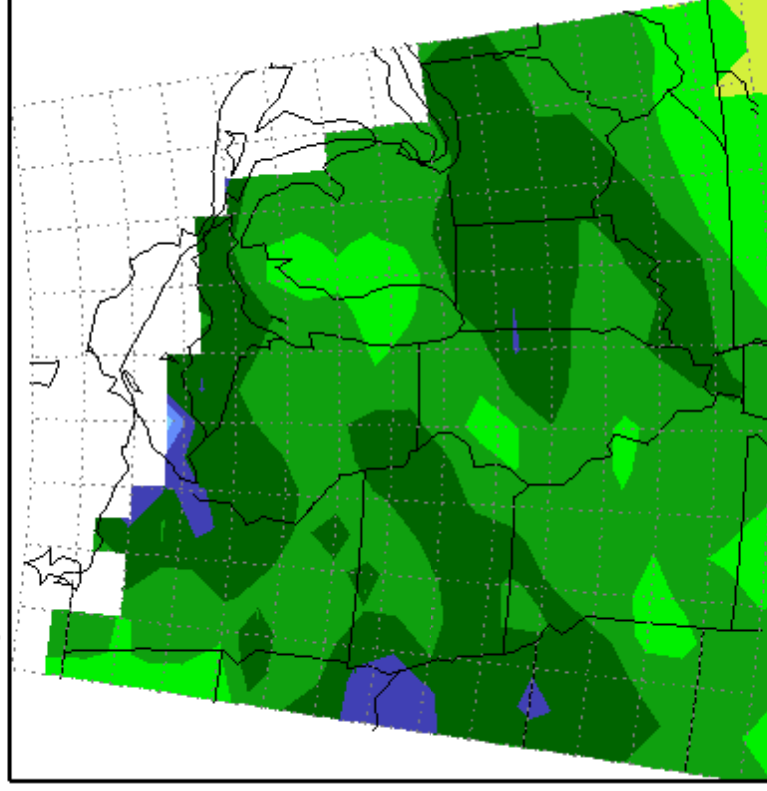
Total Precipitation Departure from Mean in Inches
December 5, 2007 to March 3, 2008



Midwestern Regional Climate Center
Illinois State Water Survey
Champaign, Illinois

180-Day Precipitation Departure

Total Precipitation Percent of Mean
September 6, 2007 to March 3, 2008



Midwestern Regional Climate Center
Illinois State Water Survey
Champaign, Illinois

South America





**Slow
Harvest**

**Mostly Decent
Harvest Weather**

**Recent
Rainfall**

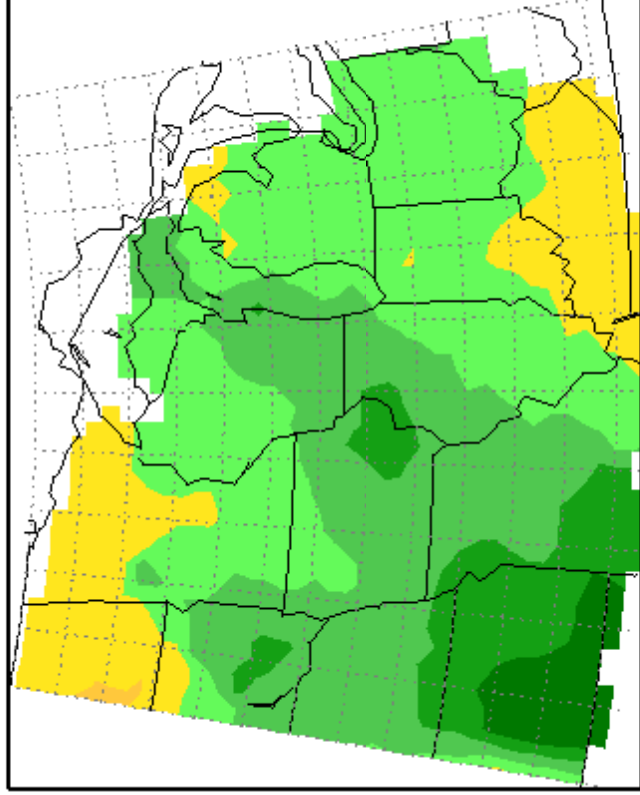
South America Comments

- **A big crop is expected. Local issues with dryness and wetness occurred, but the majority of crop areas had timely rainfall. Variability was greater in Argentina.**
- **Near term, concerns of a slow harvest due to wet conditions prevail in the northern production areas of Brazil.**

Drought Update

Soil Moisture Departure (0-12")

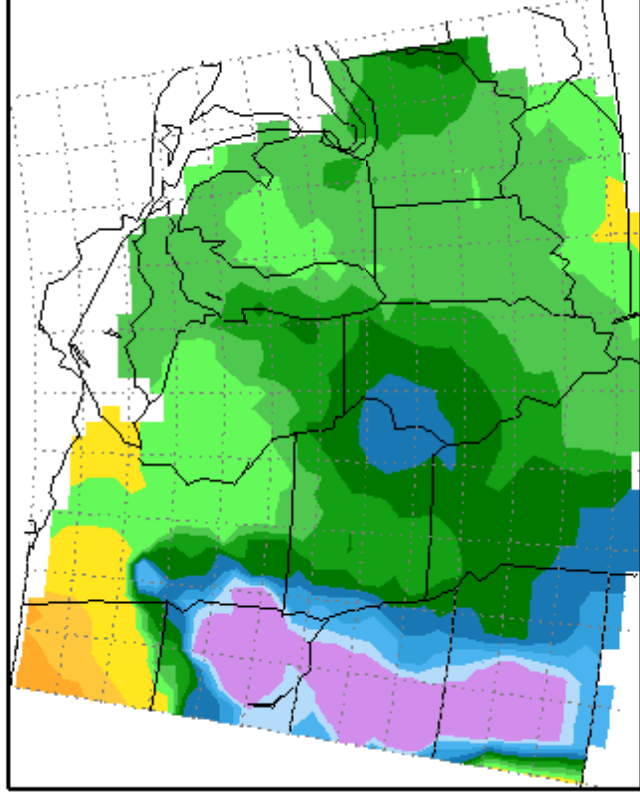
Current Soil Moisture Deviation (inches), Depth = 0-12
March-3-2008



Midwestern Regional Climate Center
Illinois State Water Survey
Champaign, Illinois

Soil Moisture Departure (0-72")

Current Soil Moisture Deviation (inches), Depth = 0-72
March-3-2008

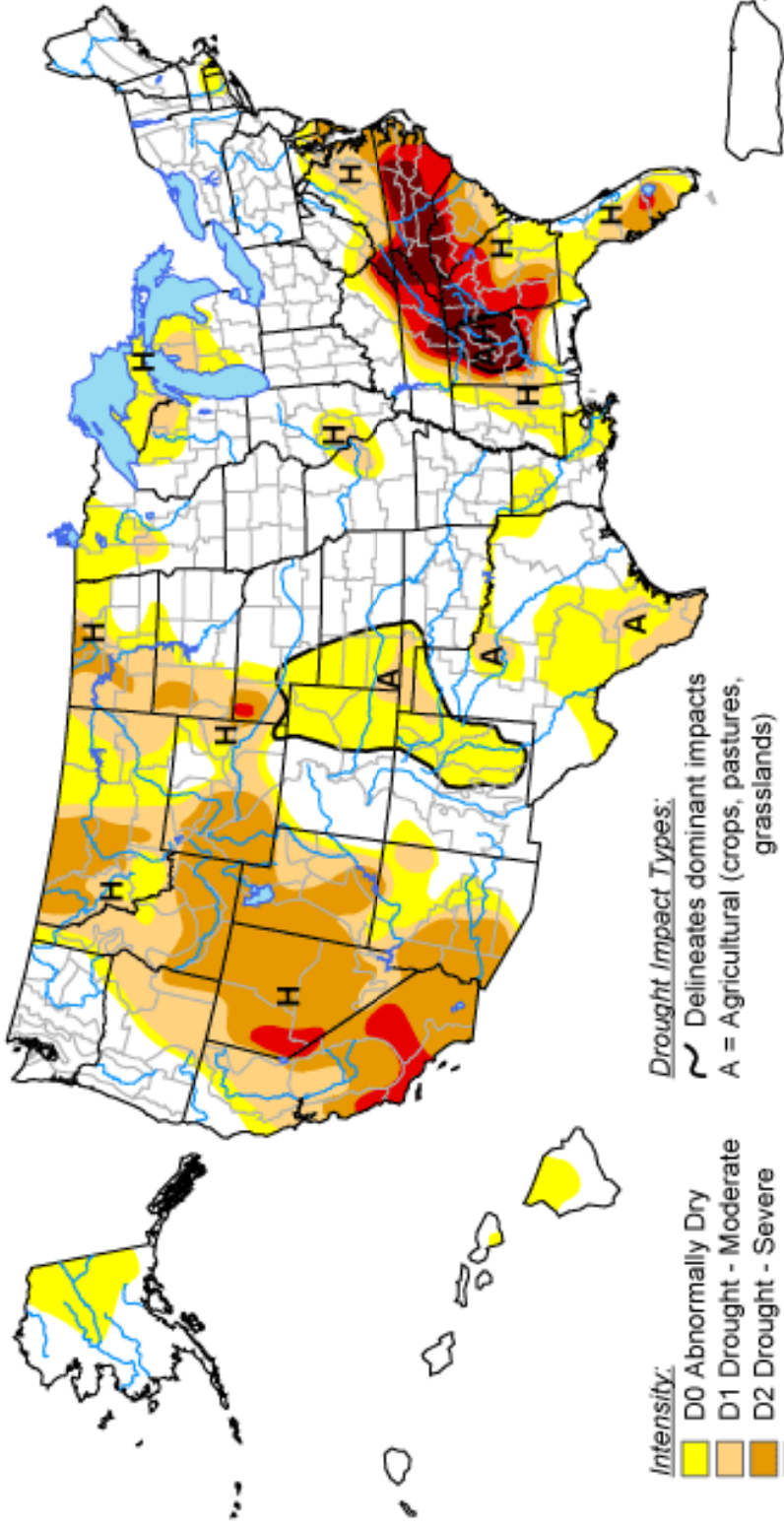


Midwestern Regional Climate Center
Illinois State Water Survey
Champaign, Illinois

Current Drought Assessment

U.S. Drought Monitor

January 1, 2008
Valid 7 a.m. EST



Intensity:

- D0 Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional

Drought Impact Types:

- Delineates dominant impacts
- A = Agricultural (crops, pastures, grasslands)
- H = Hydrological (water)



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

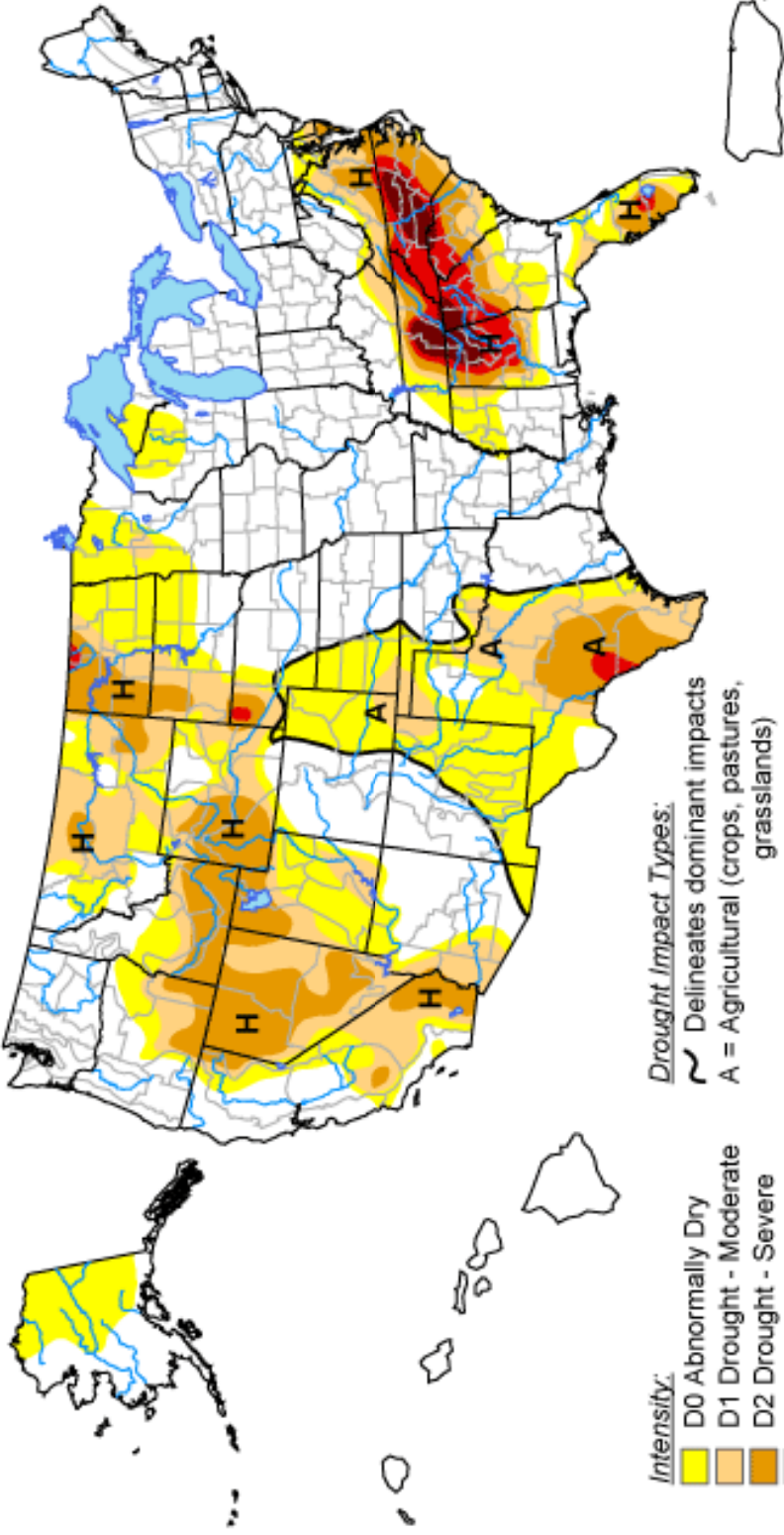
<http://drought.unl.edu/dm>

Released Thursday, January 3, 2008
Author: Richard Heim, NOAA/NESDIS/NCDC

Current Drought Assessment

U.S. Drought Monitor

February 26, 2008
Valid 7 a.m. EST



Intensity:

- D0 Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional

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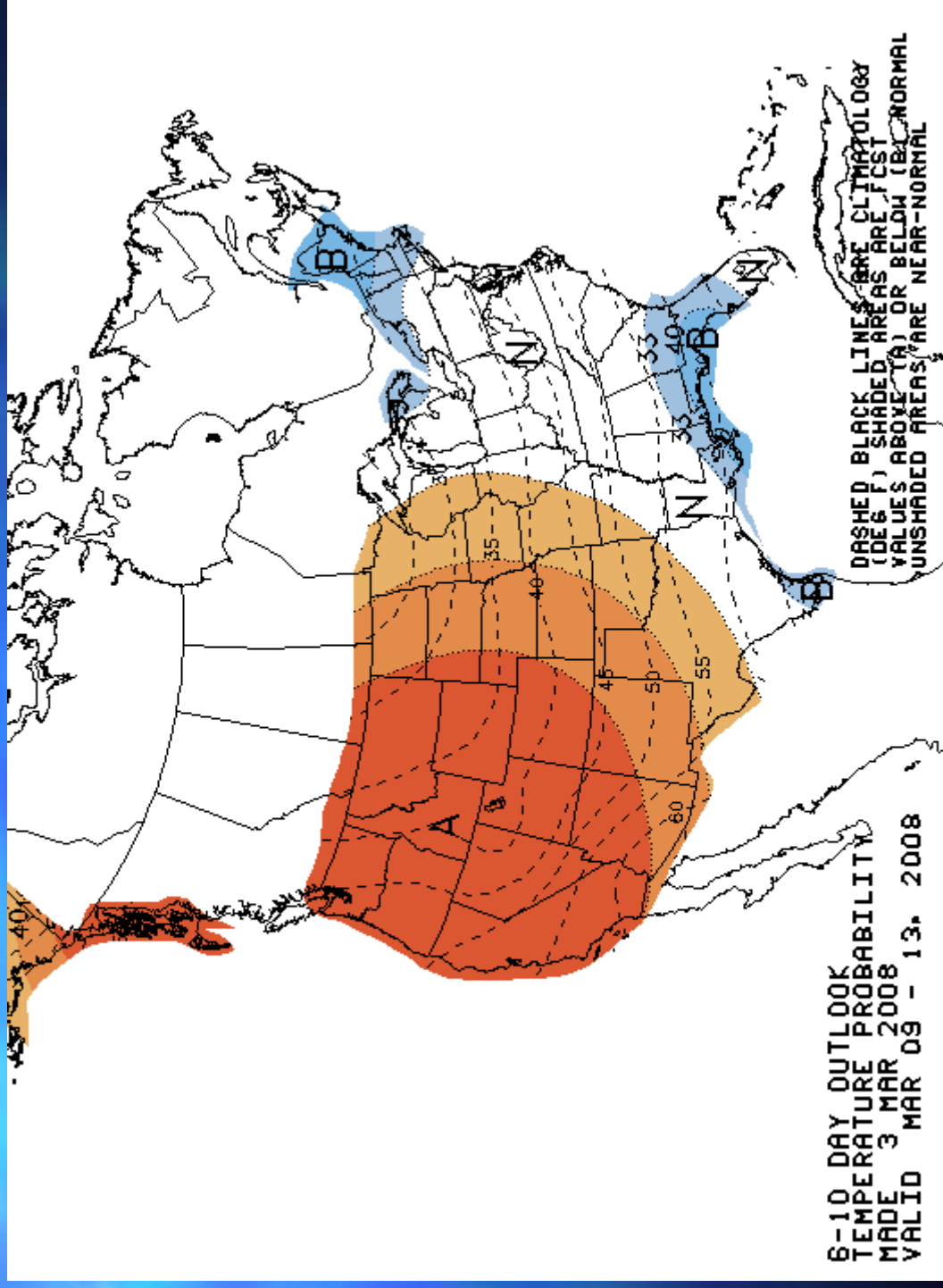


Released Thursday, February 28, 2008
Author: Brad Rippey, U.S. Department of Agriculture

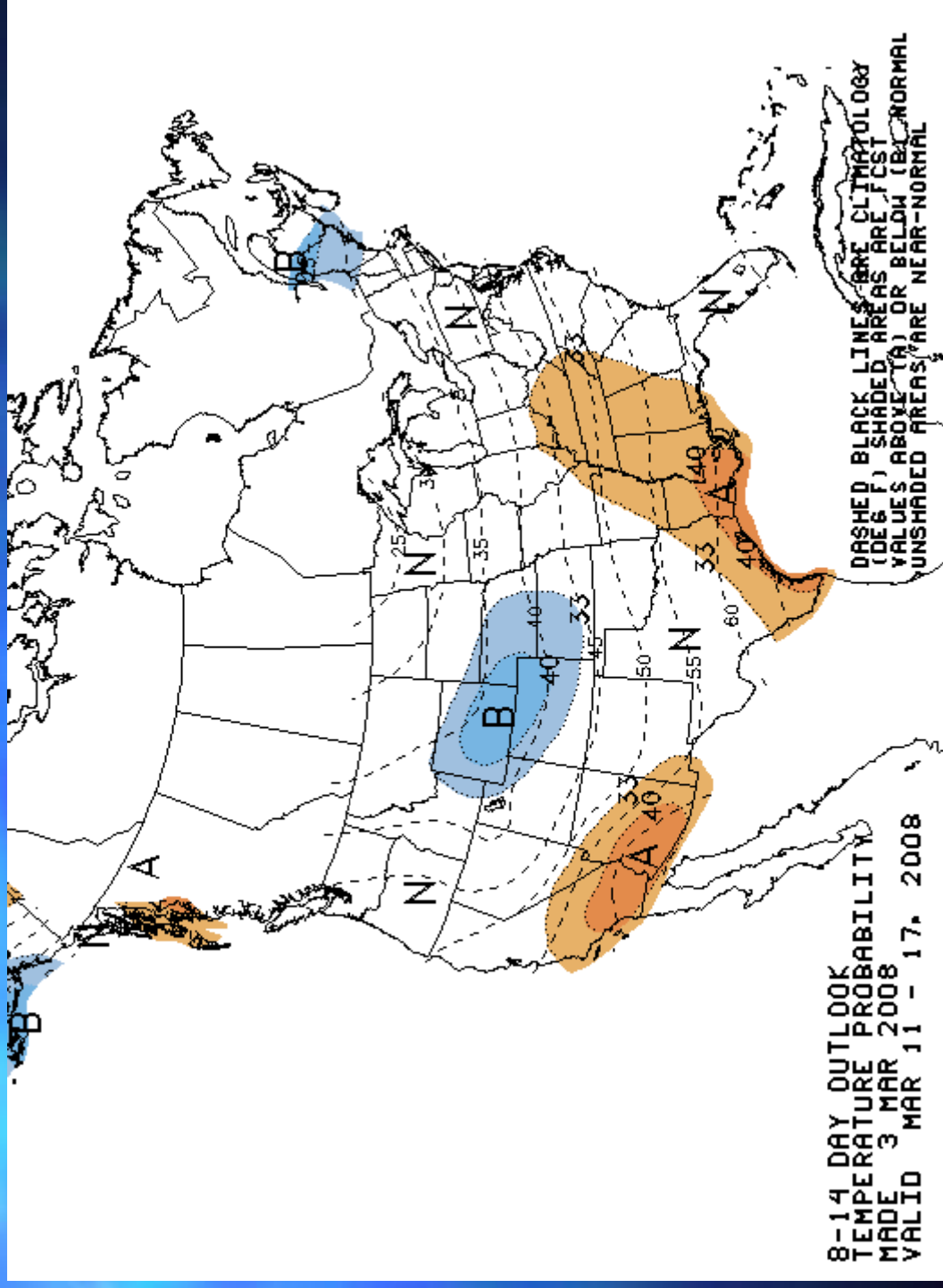
<http://drought.unl.edu/dm>

Long-Range Outlooks

March 9-13, 2008 Temperature

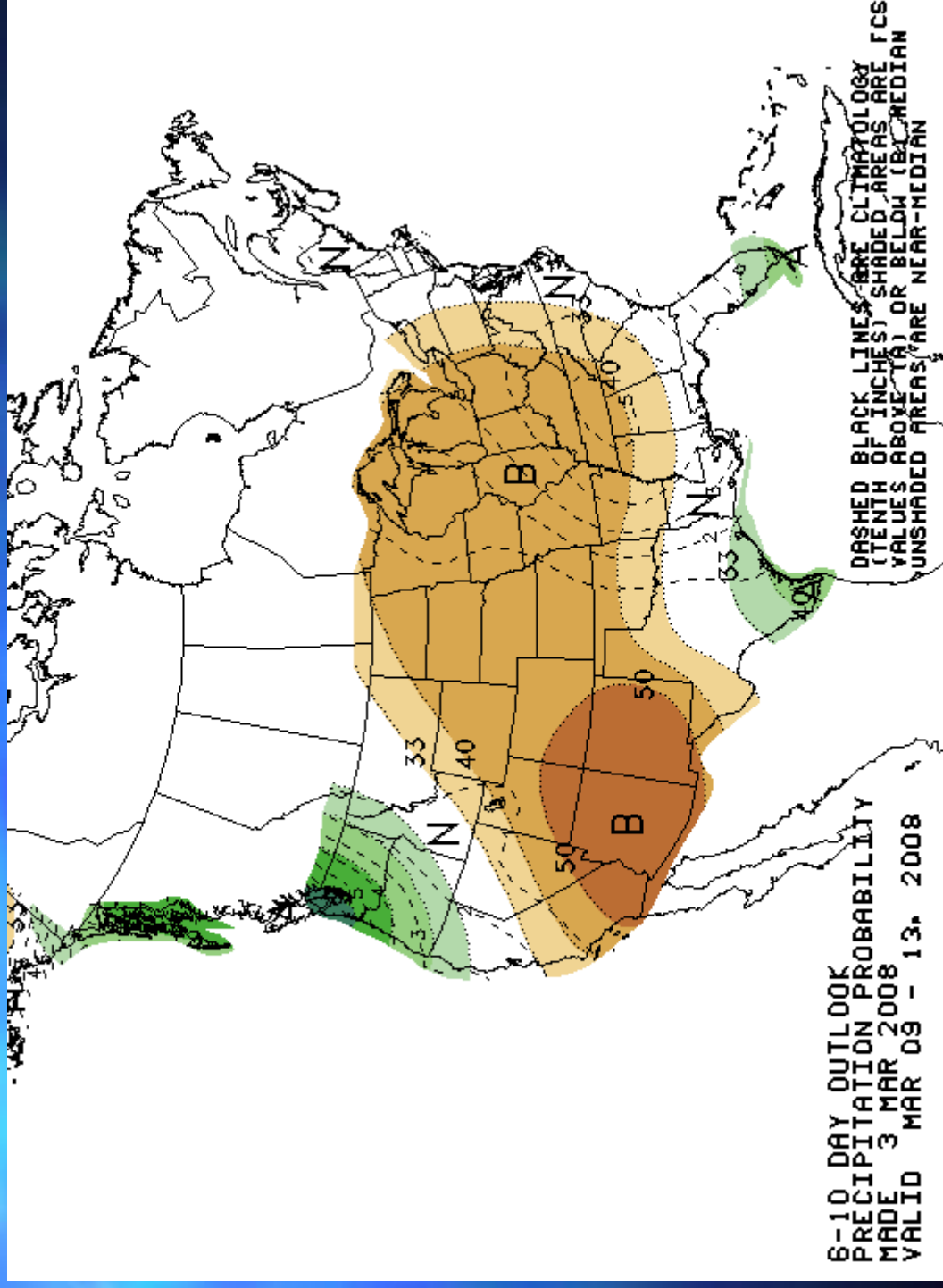


March 11-17, 2008 Temperature



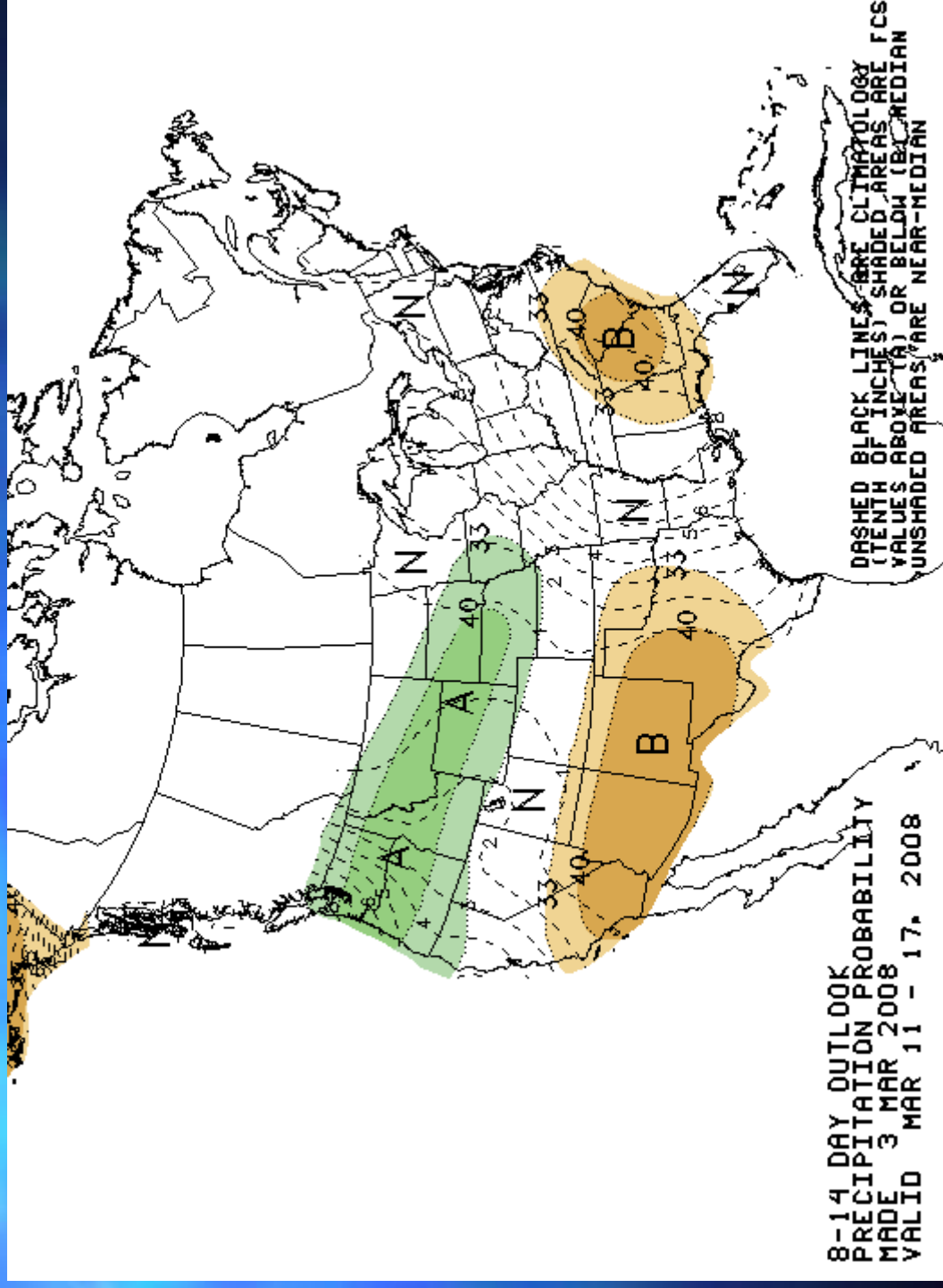
March 9-13, 2008

Precipitation

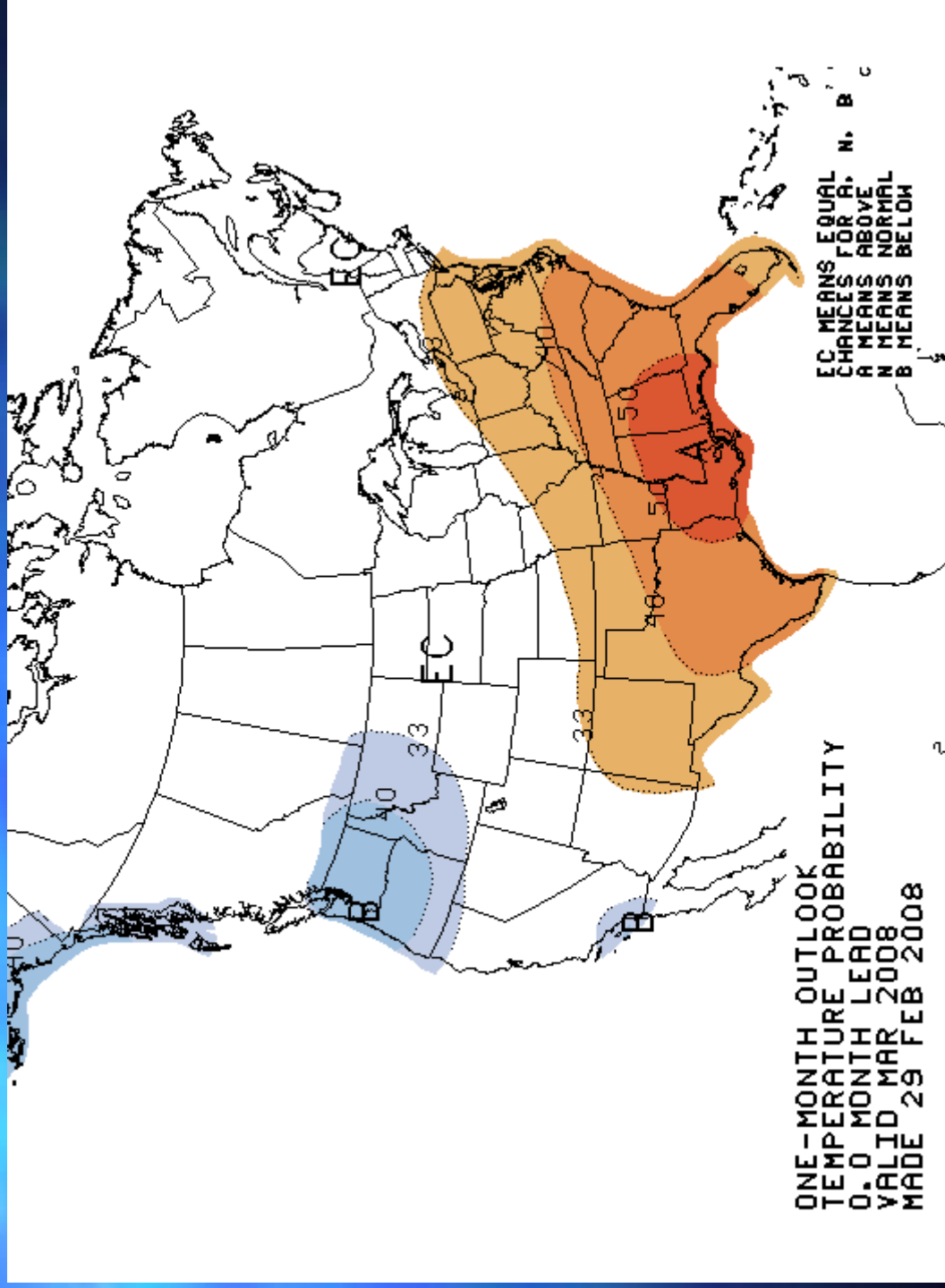


March 11-17, 2008

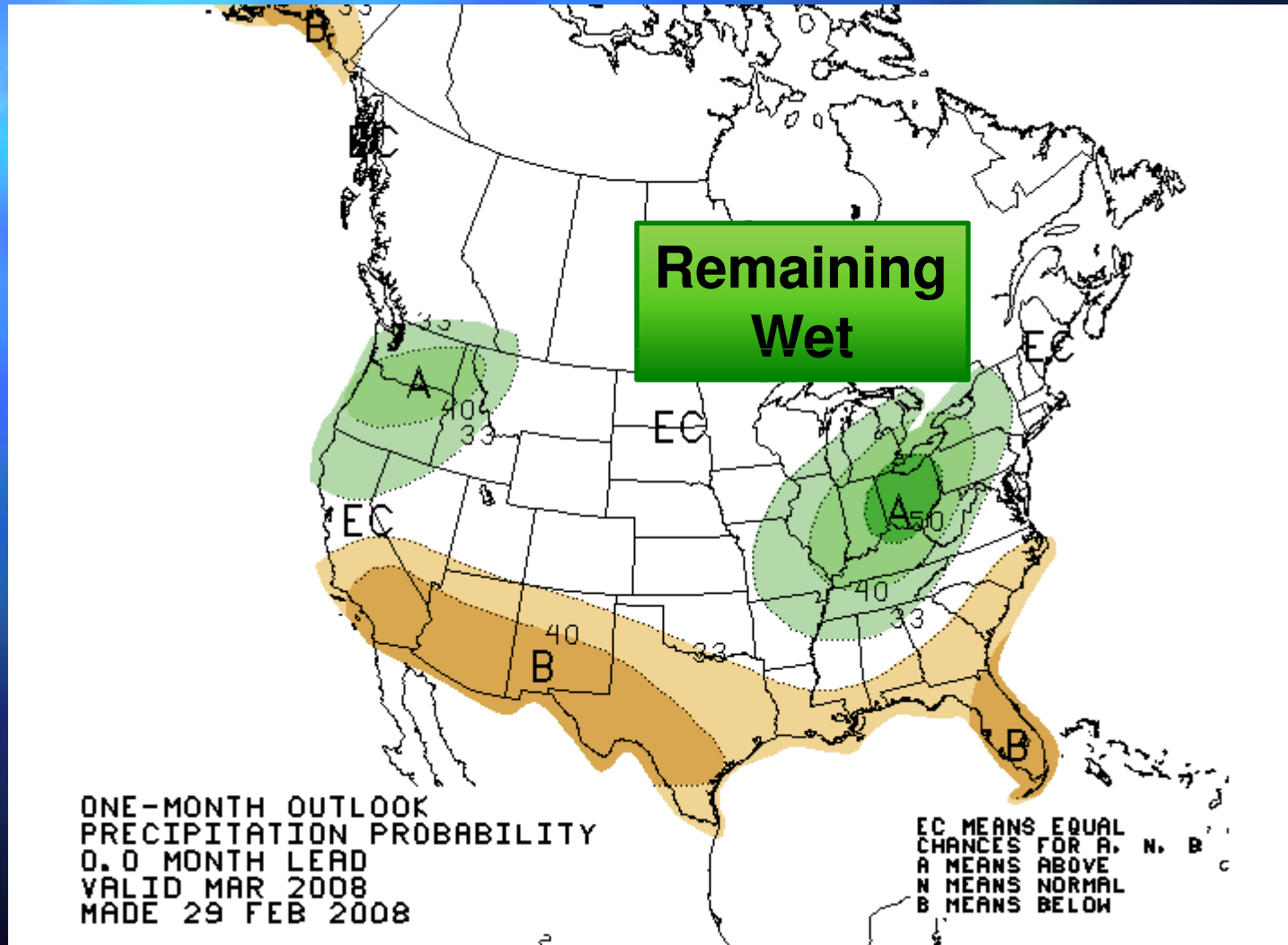
Precipitation



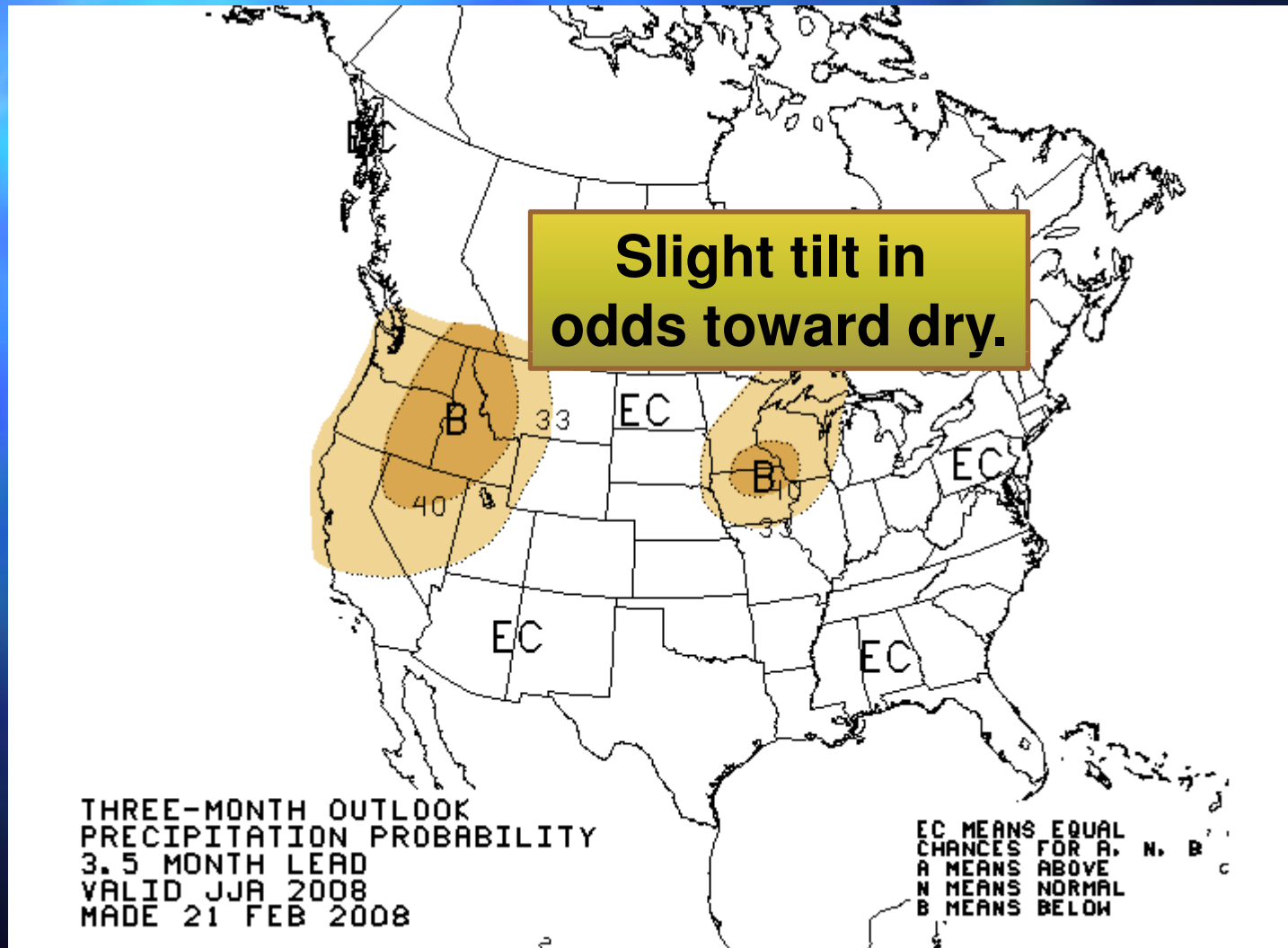
March 2008 Outlook Temperature



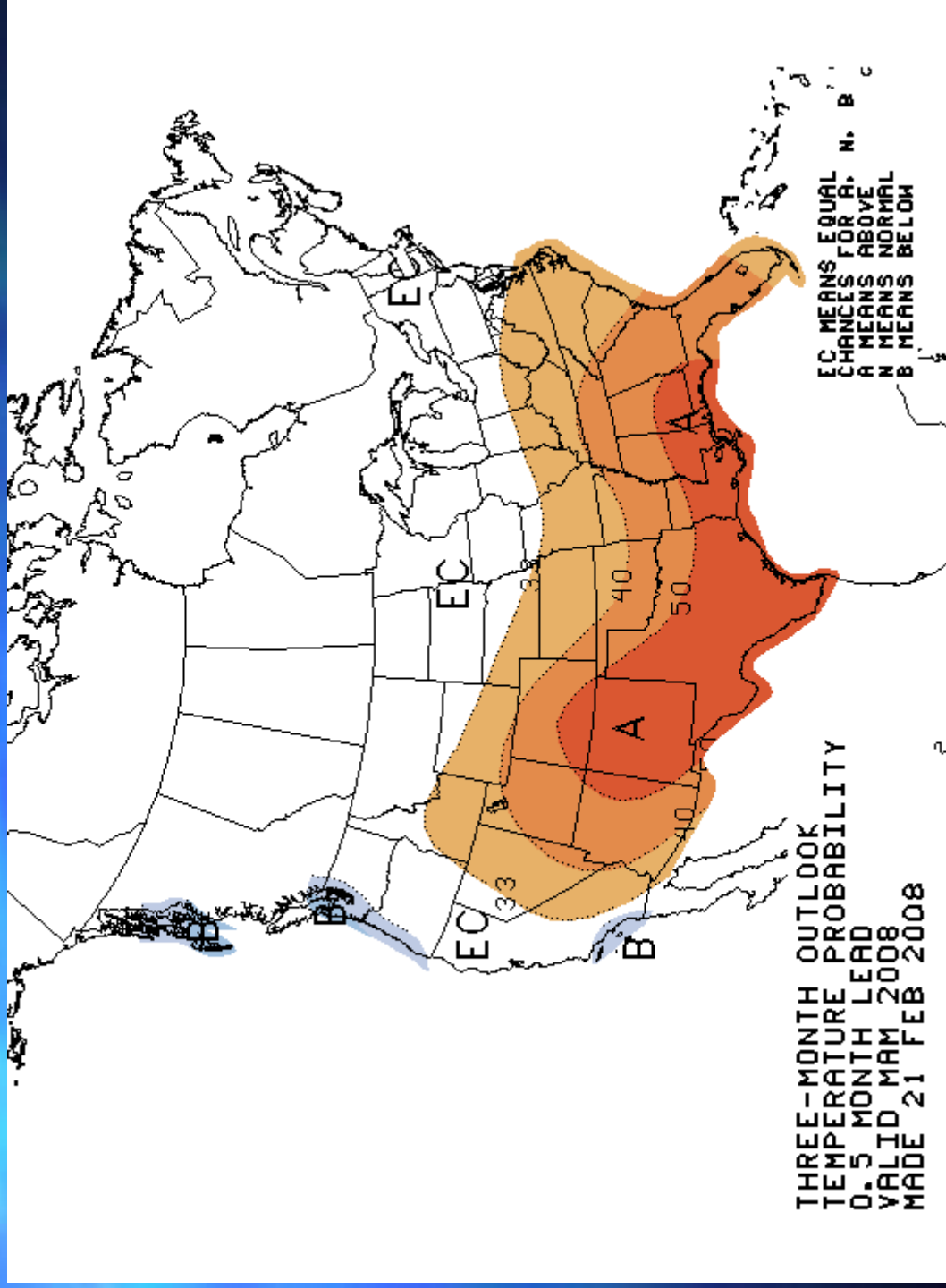
March 2008 Outlook Precipitation

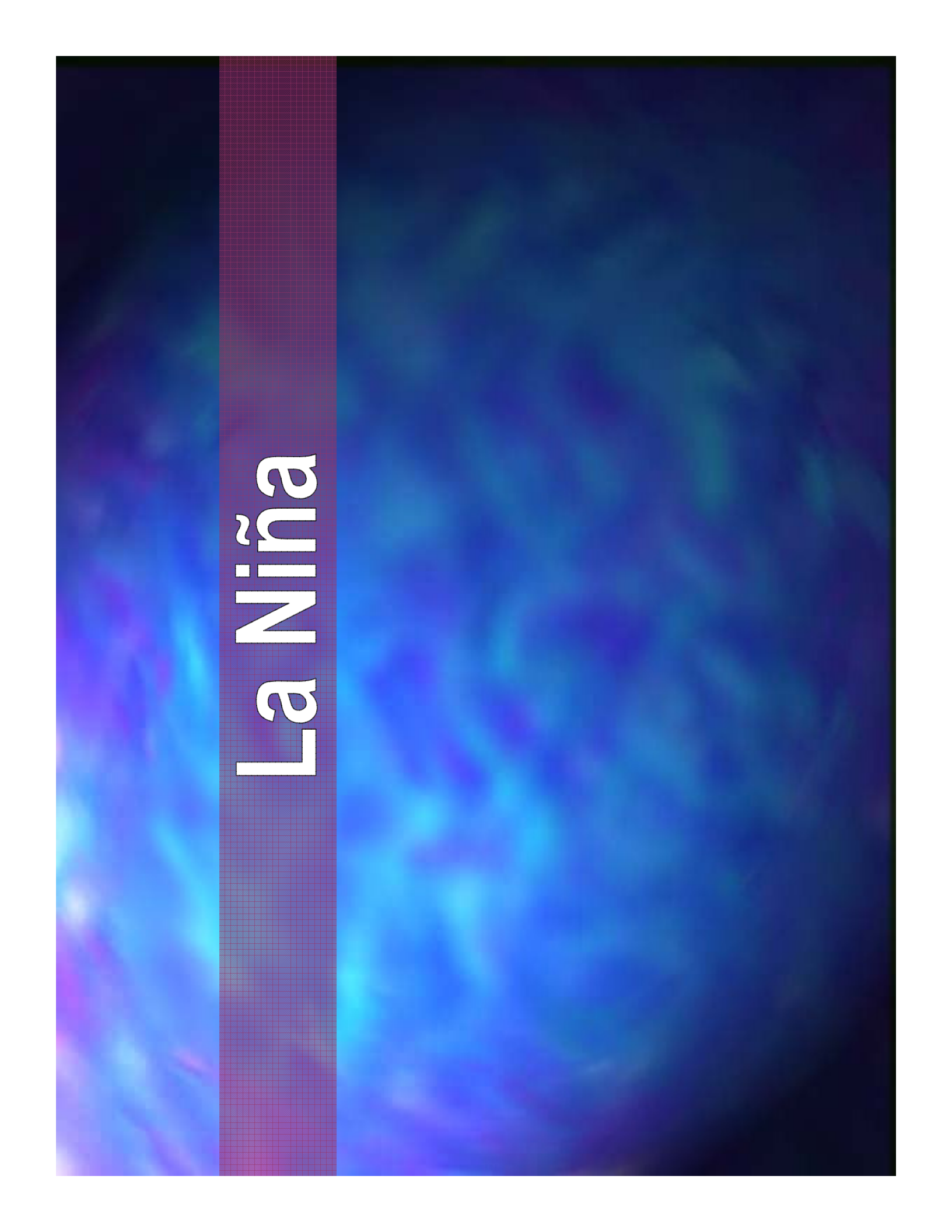


June-August 2008 Outlook Precipitation



March-May 2008 Outlook Temperature

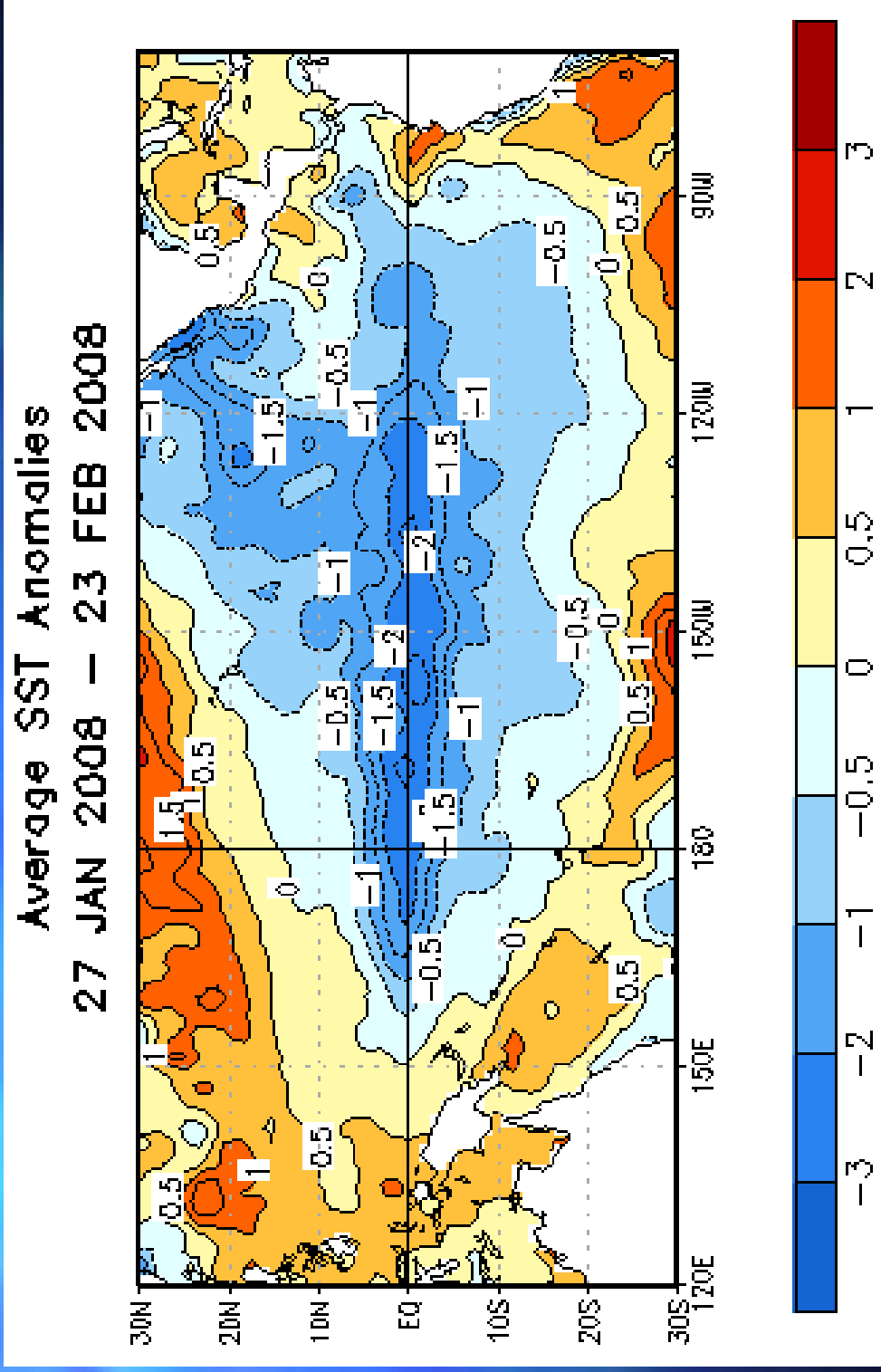




La Niña

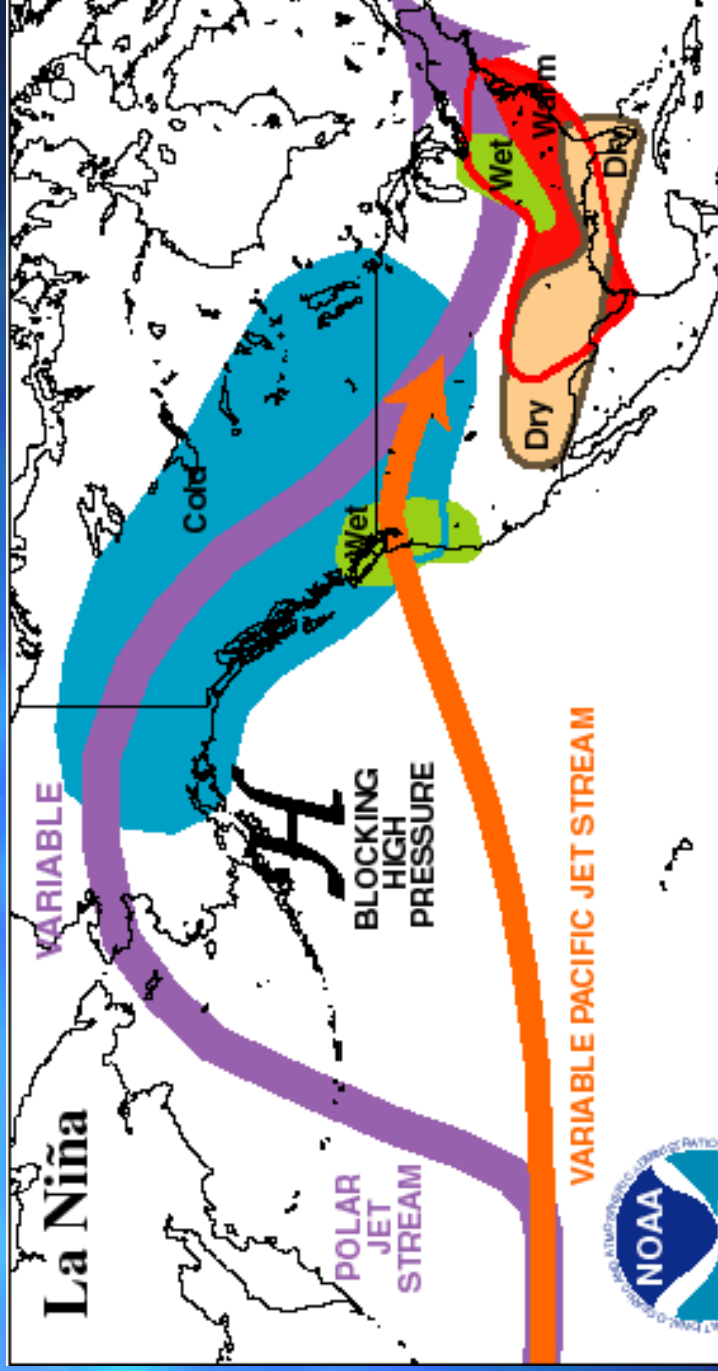
La Niña

Sea-Surface Temperature Anomalies



La Niña

Typical Winter Weather Pattern



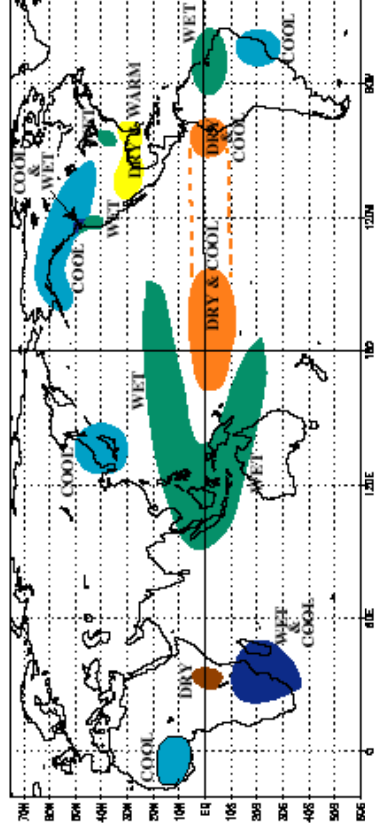
Climate Prediction Center/NCEP/NWS

La Niña

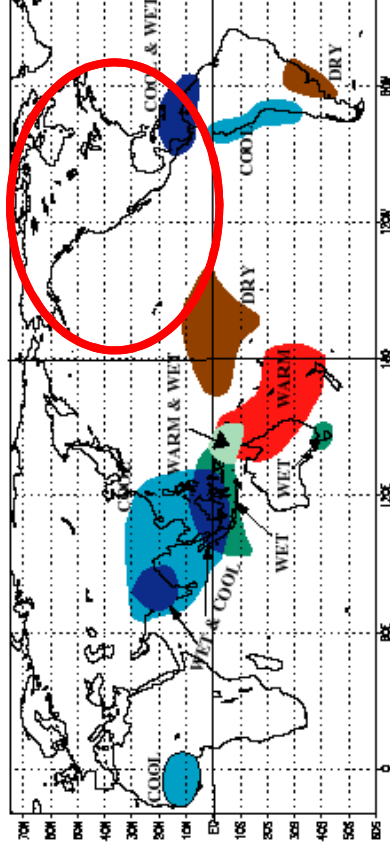
Typical Weather Patterns

Winter

COLD EPISODE RELATIONSHIPS DECEMBER - FEBRUARY



COLD EPISODE RELATIONSHIPS JUNE - AUGUST

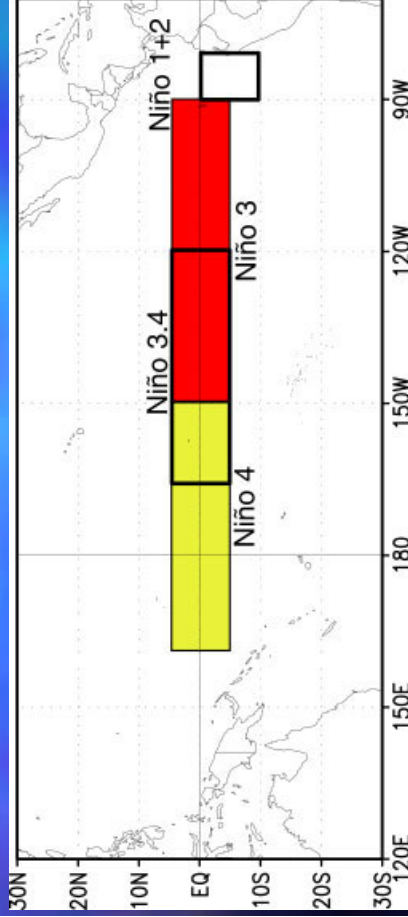
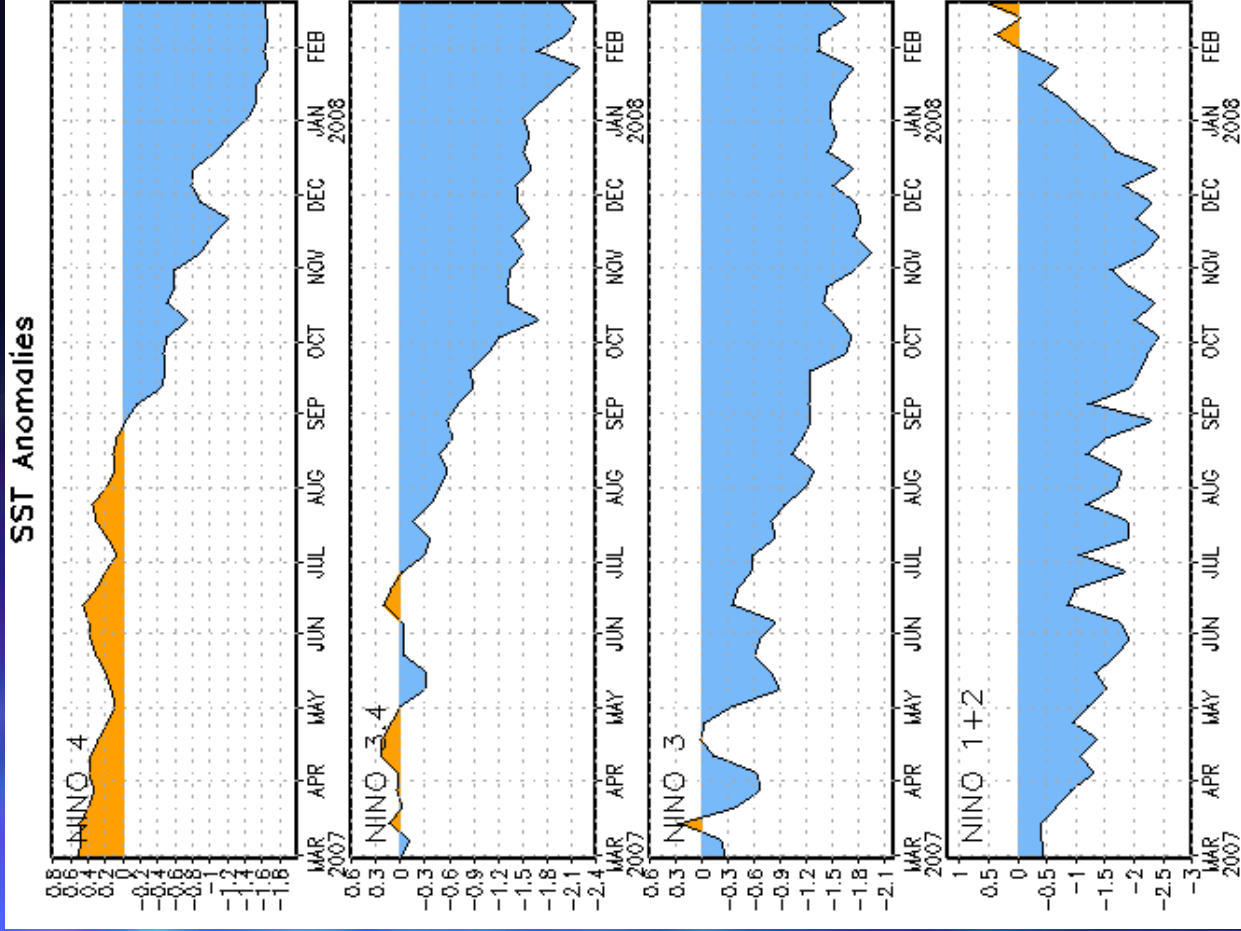


Summer

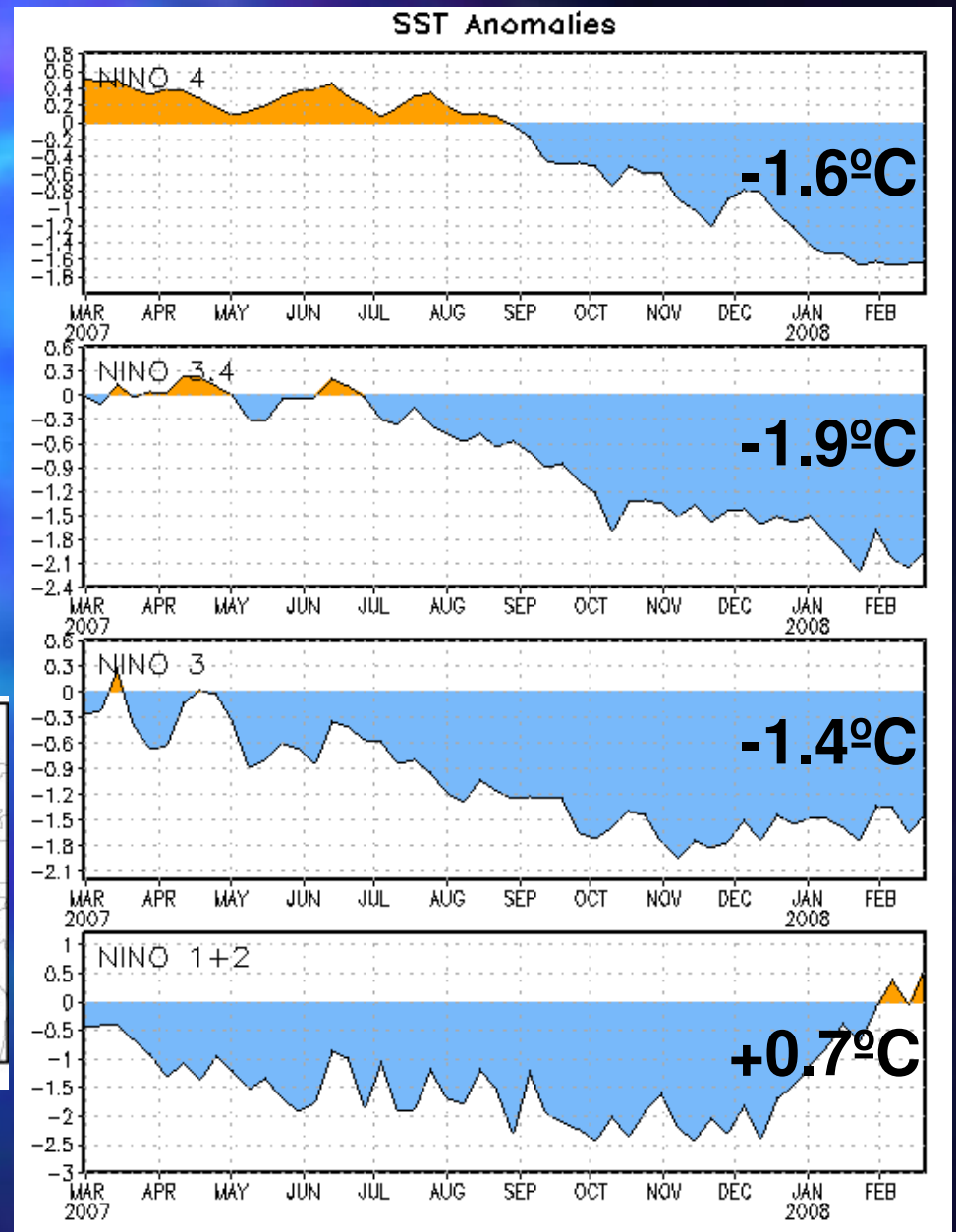
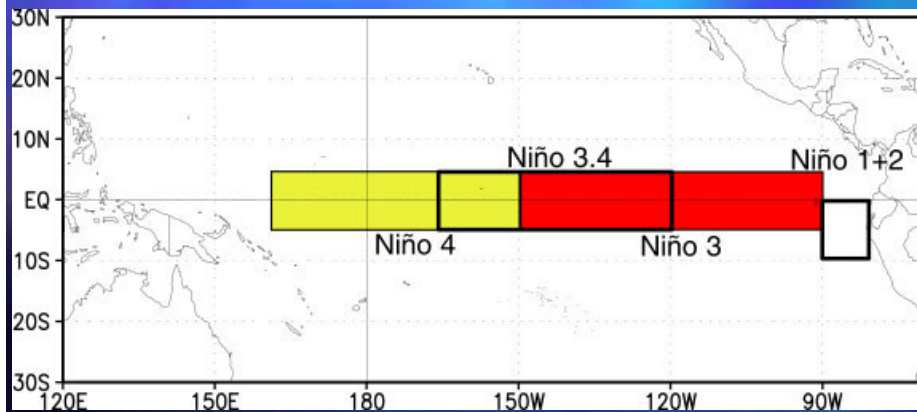


Climate Prediction Center
NCEP

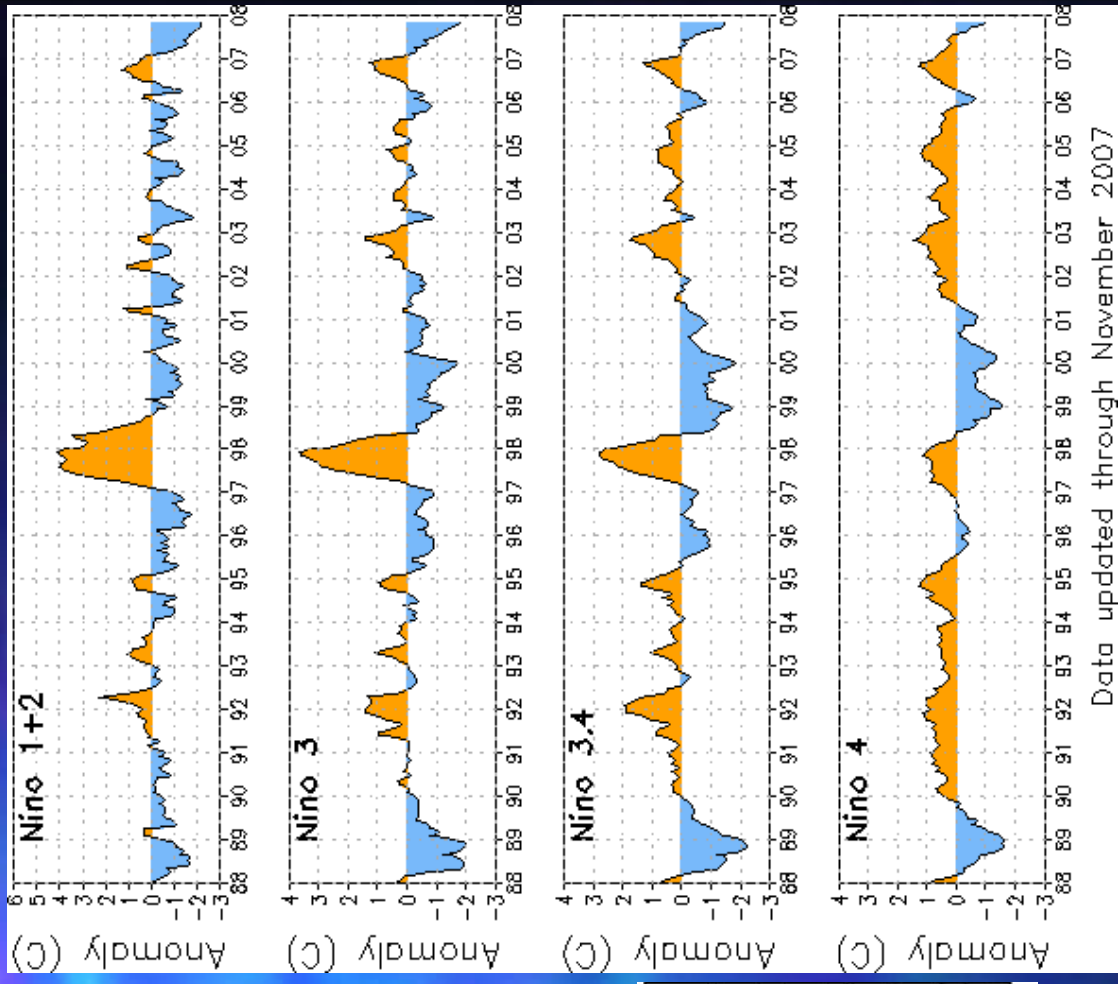
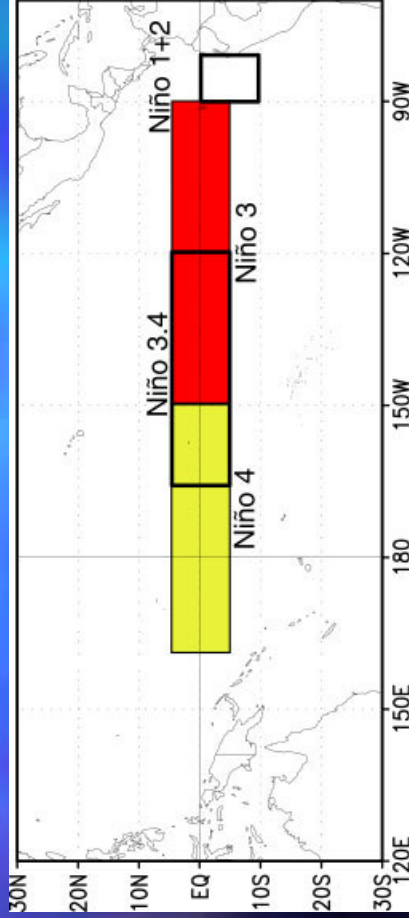
La Niña Recent Sea-Surface Temperature Anomalies



La Niña Recent Sea-Surface Temperature Anomalies

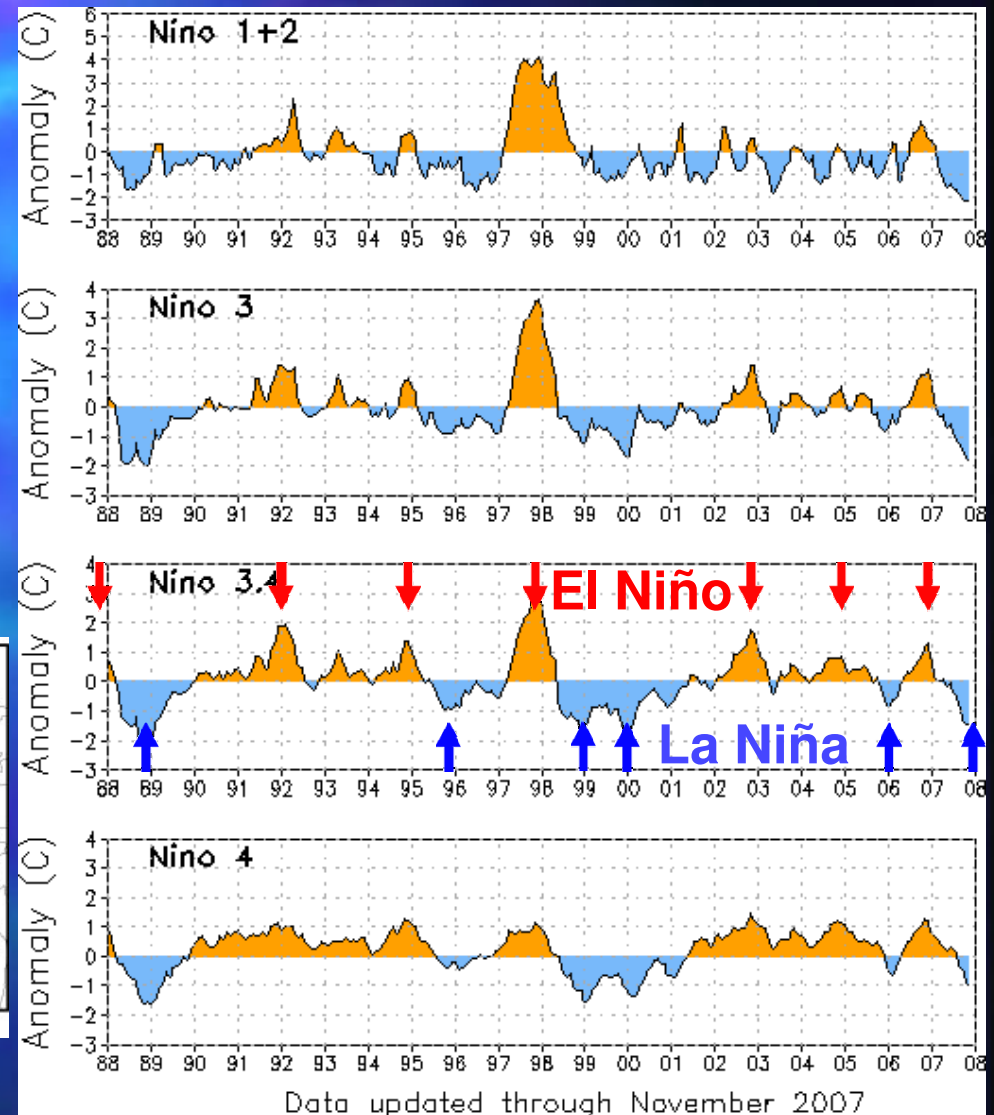
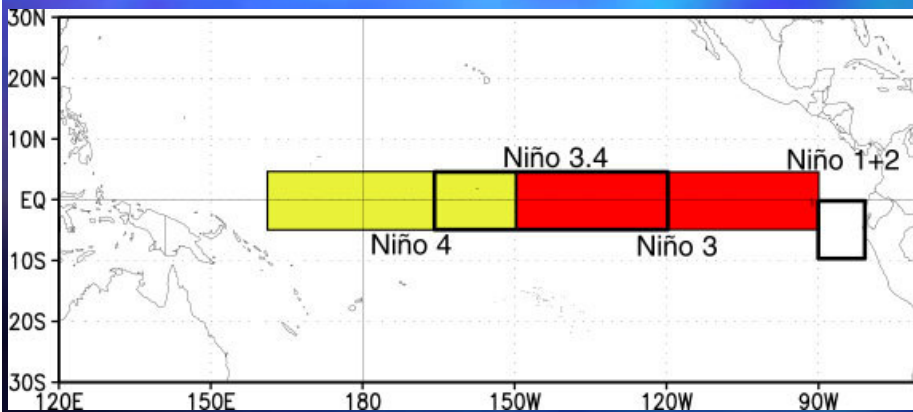


La Niña Long-Term Sea-Surface Temperature Anomalies




Data updated through November 2007

La Niña Long-Term Sea-Surface Temperature Anomalies



La Niña Comments

- **Strong La Niña conditions continue across the tropical Pacific Ocean.**
- **Recent trends and model forecasts indicate La Niña will continue through Spring 2008.**
- **For Summer 2008, model output varies greatly. About one-half indicate La Niña could continue well into summer.**

The background features a vertical gradient from dark blue at the top to a lighter, more vibrant blue and purple at the bottom. A central horizontal band with a fine grid pattern is overlaid on this background. The text 'Spring 2008' is centered within this band.


Spring 2008

Spring 2008 Comments

- **Going into the season, soil moisture is adequate to excessive across the Corn Belt. This will slow early planting in some areas.**
- **The weather pattern remains wet, so more river flooding is expected.**
- **Any bias toward dryness appears to be to the far northwest.**

Spring 2008 Comments

- For the Corn Belt, the focus will be on too much rain rather than not enough.
- The drought in the Southeast is not over, but much headway has been made in recent months.
- The long-term trend in the Southern Plains wheat areas is still toward drought. However, a couple timely rains could greatly benefit the crop.

The image features a vertical banner with a blue and purple abstract background. A central vertical strip with a grid pattern contains the text "Summer 2008" in white, bold, sans-serif font, oriented vertically.

Summer 2008

Summer 2008 Comments

- **“Equal chances” dominate the temperature and rainfall outlooks for summer, which is typical.**
- **However, there is a tilt in the odds toward drier-than-average conditions in the Upper Midwest (Minnesota, Wisconsin, and Iowa) for summer.**
- **We are starting the year with excellent subsoil moisture.**

Summer 2008 Comments

- **La Niña means nothing regarding our summer weather. Drought will not be the result of La Niña!**
- **Drought will not be the result of expansion of dryness from the Southeastern U.S.**
- **Drought will not occur just because it has been 20 years since the last big one.**

Summer 2008 Comments

- Does this mean we don't have to worry about drought?
- Of course not...drought in the summer of 2008 is possible, but it is also possible that growing conditions will be very favorable.
- Don't put all your eggs in one basket. Try to resist those that tell you every year that the disaster is coming.

Model Hysteria

NGM

WMI

ECMWF

G

F

S

WRM

GEM

NOGAPS

RUC

Tune to **WILL_{am}580**

In-Depth Weather:

5:35, 6:35, 7:35, 8:35, 9:35 AM
12:35, 4:33, 5:33 PM Central Time

Detailed Agricultural Weather:

8:51 AM & 2:32 PM Central Time

Tune to **WILL_{am}580**

In-Depth Weather:

6:35, 7:35, 8:35, 9:35, 10:35 AM

1:35, 5:33, 6:33 PM Eastern Time

Detailed Agricultural Weather:

9:51 AM & 3:32 PM Eastern Time

Tune to ...



Why wait? Watch
YourWeather at 9:58
Ed Kieser and Mike Sola

WILL-TV



The graphic features two men in suits, Ed Kieser on the left and Mike Sola on the right, both smiling. Mike Sola is gesturing with his right hand towards the text. The background is a light blue and green gradient. The text is in a mix of bold, italicized serif and sans-serif fonts. The AMS CERTIFIED logo is in the bottom left corner.

Online Services

will.illinois.edu/weather
willag.org