

Idaho State Water Supply Committee Meeting

February 14th, 2006

Jay Breidenbach / NOAA National Weather Service

2007 Water Year Precipitation Summary

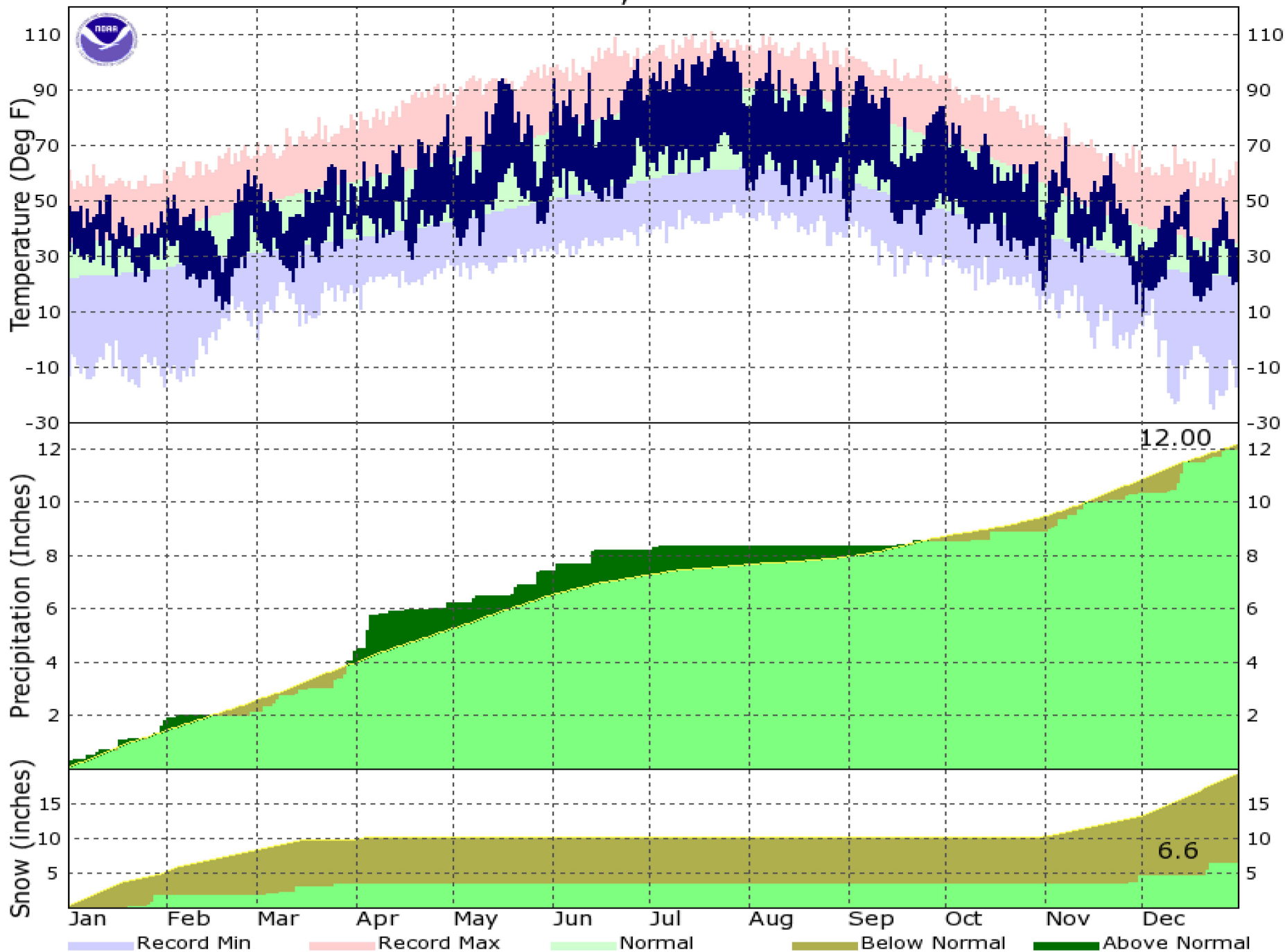
El-Nino Status

Climate Outlook

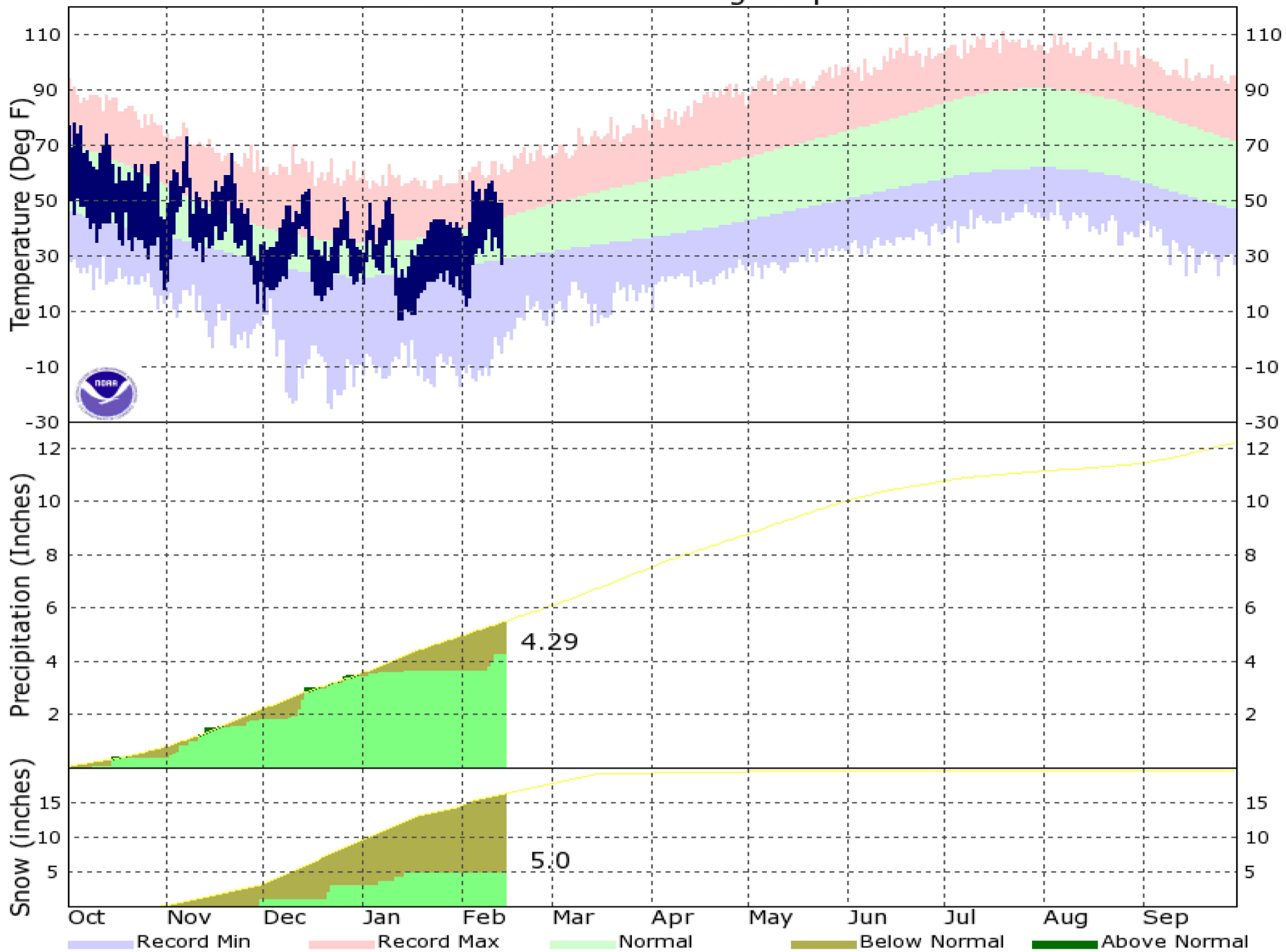
Water Supply Numbers

Spring Flood Potential

BOISE, ID - 2006

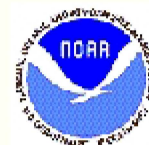
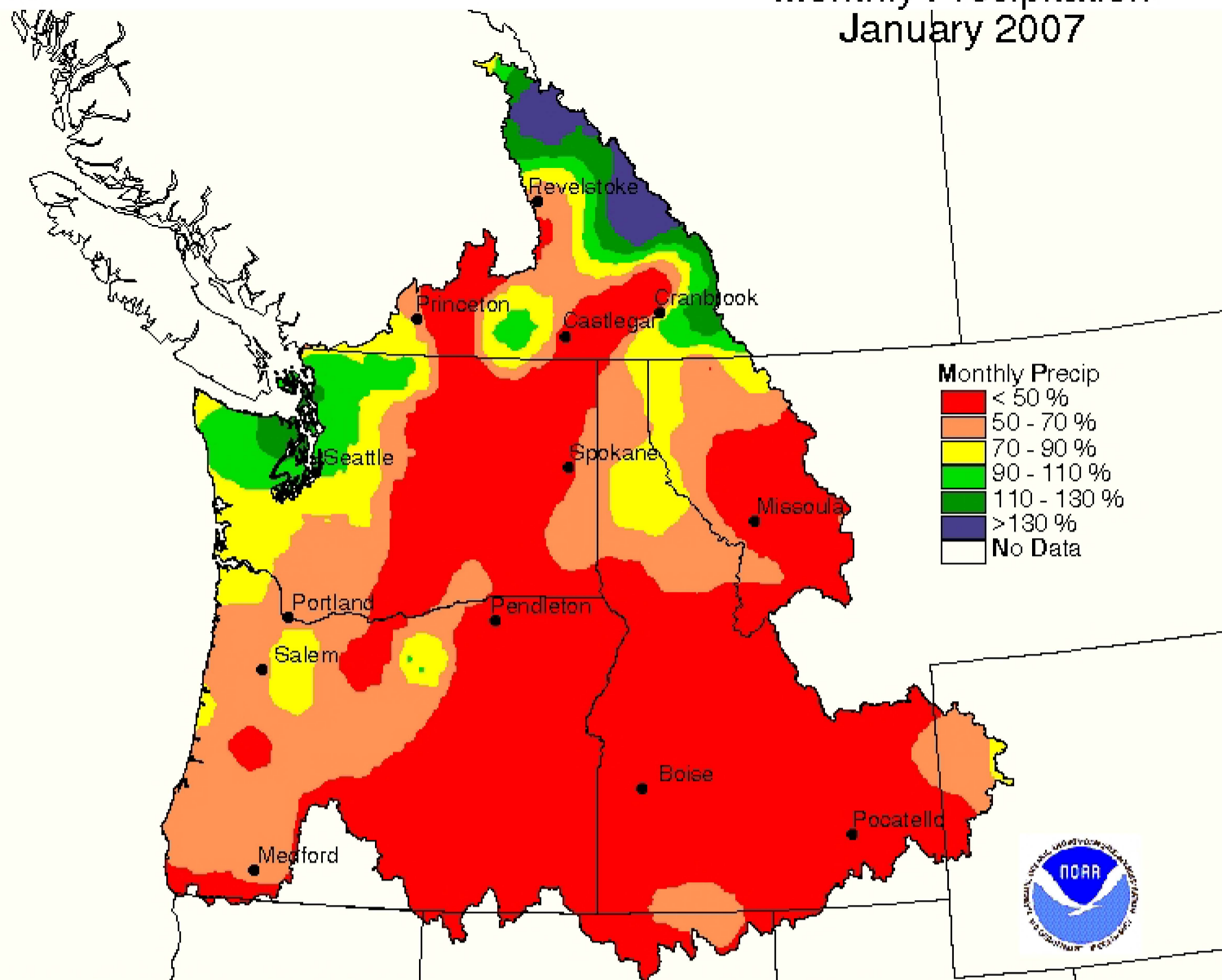


KBOI - Oct 2006 Through Sep 2007





Monthly Precipitation January 2007

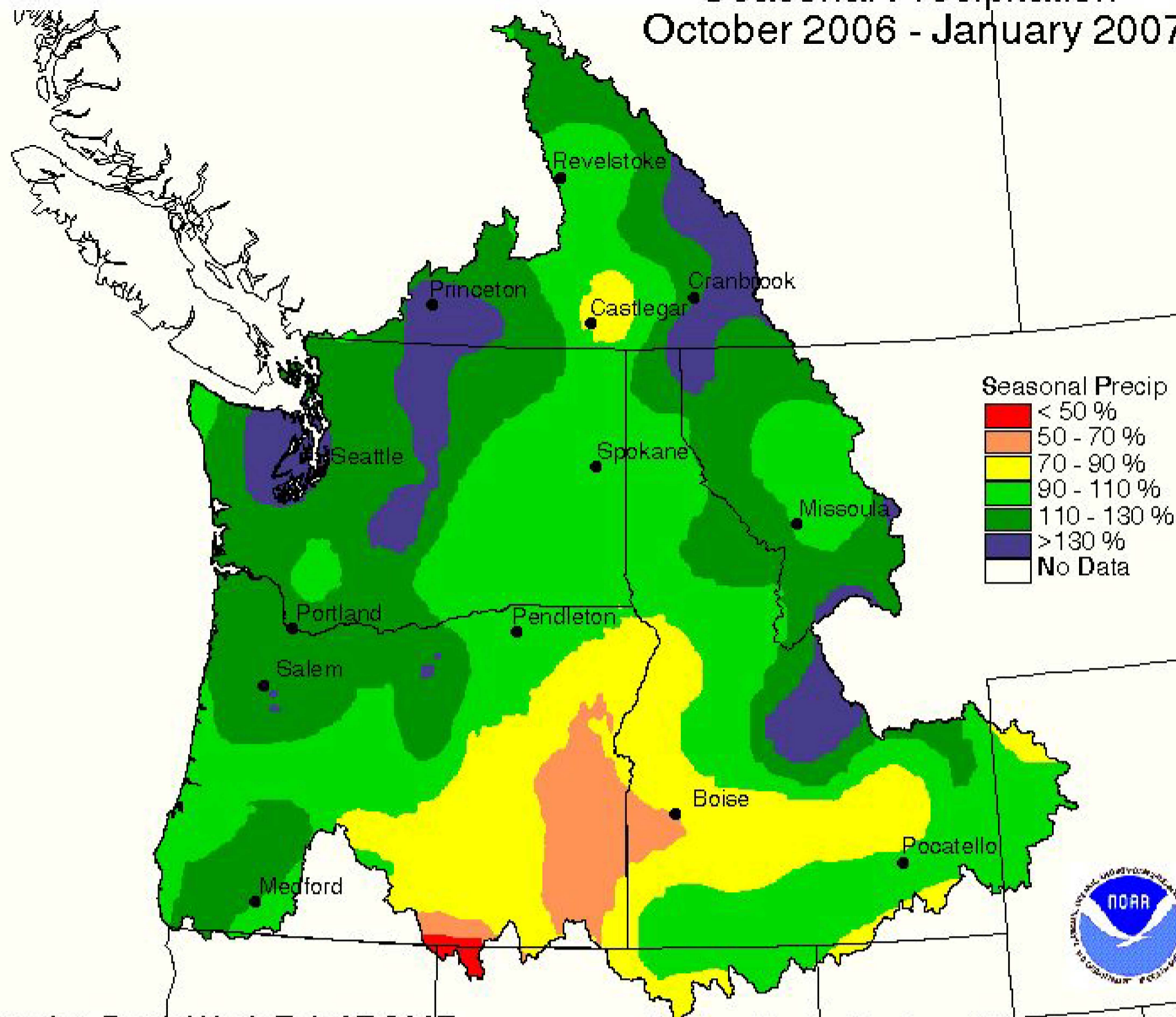


Creation Time Wed, Feb 07 2007

Produced by the Northwest River Forecast Center



Seasonal Precipitation October 2006 - January 2007



Creation Date: Wed, Feb 07 2007

Produced by the Northwest River Forecast Center

U.S. Drought Monitor

February 13, 2007

Valid 7 a.m. EST

DRAFT 1

DRAFT 1

DRAFT 1

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, February 15, 2007

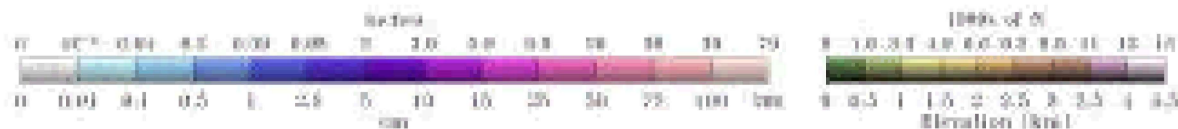
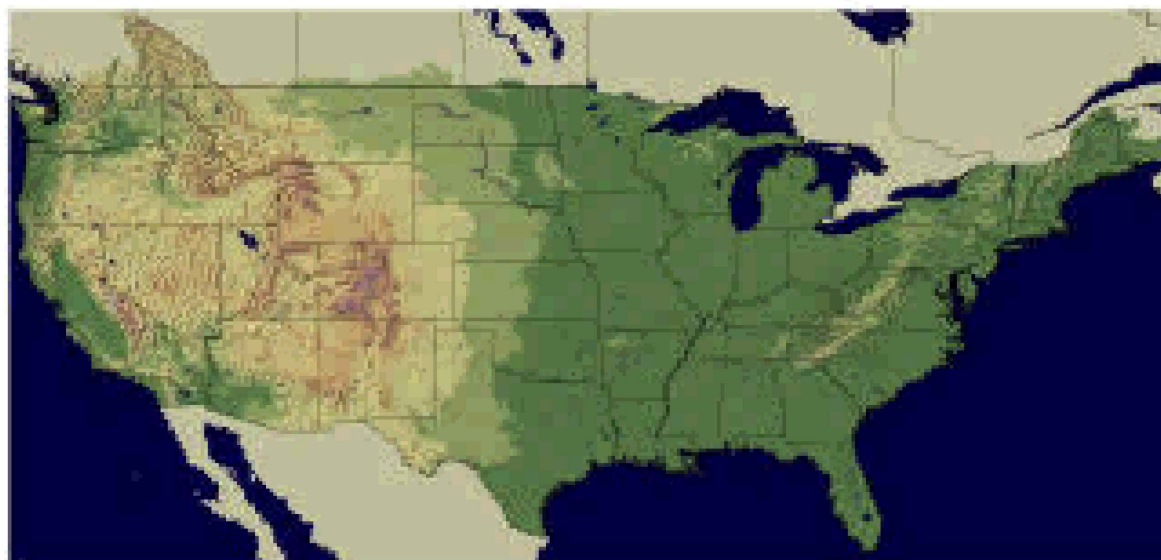
Author: Richard Tinker, CPC/NOAA



OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP

NATIONAL SNOW ECOB-
ANALYSIS 2007

Snow Water Equivalent
2006-10-06 00



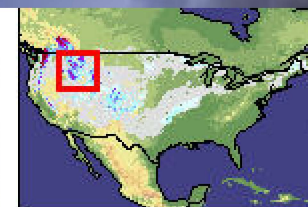
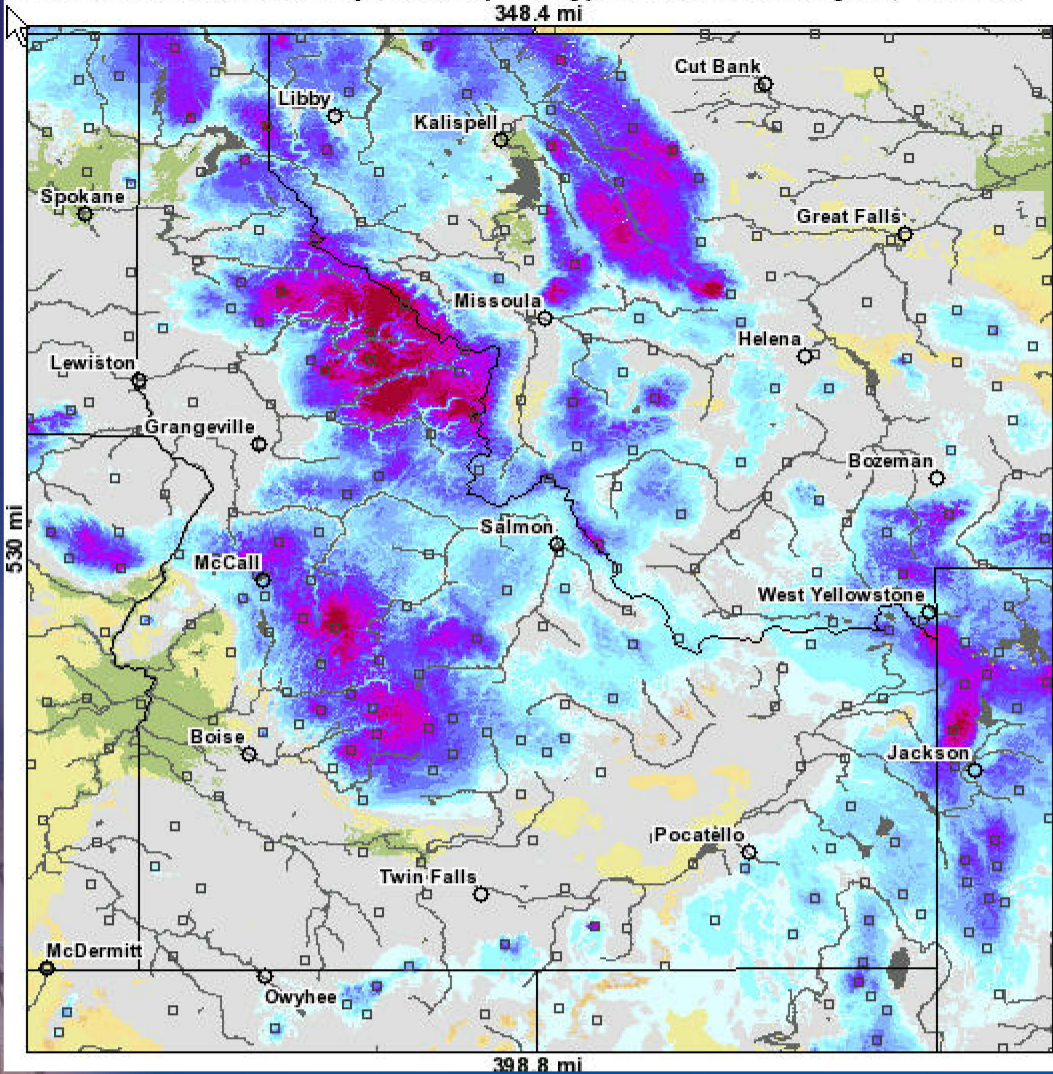
Start

Speed in ms: 200

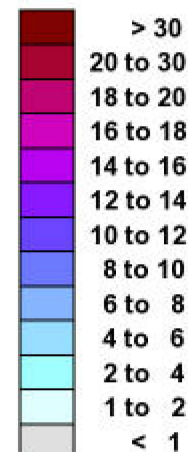
Oct 6th, 05Z



Modeled Snow Water Equivalent (Hourly) for 2007 January 14, 12:00 Z



Inches of water equivalent



Not Estimated

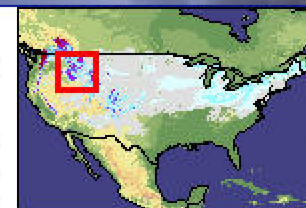
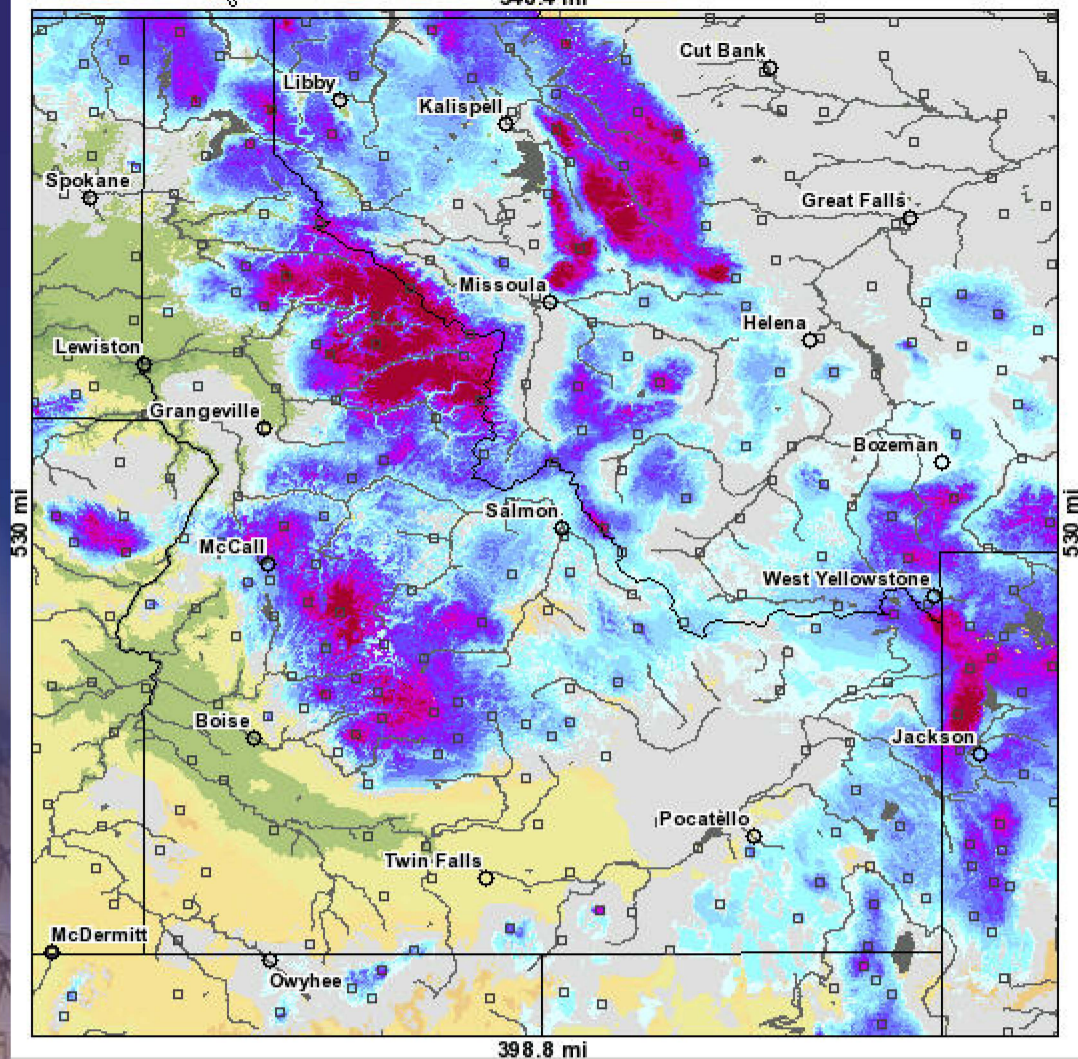
Elevation in feet
(Not estimated)



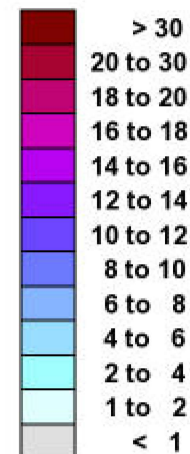


Modeled Snow Water Equivalent (Hourly) for 2007 February 14, 12:00 Z

348.4 mi

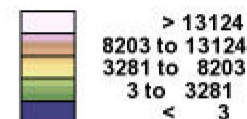


Inches of water equivalent



Not Estimated

Elevation in feet
(Not estimated)



Snowfall (Inches; 1948–1993)

November thru March

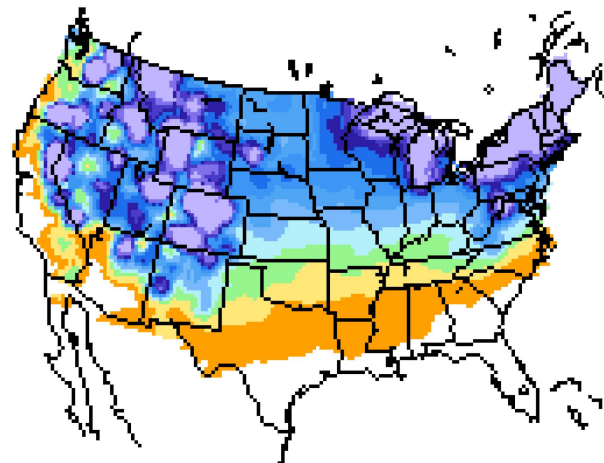
7 El Niño Years *

8 La Niña Years *

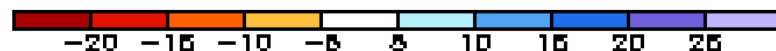
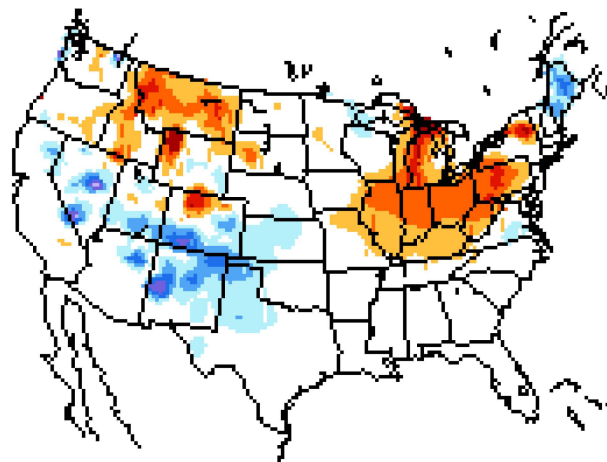
19 Neutral Years

* Moderate & Strong events only

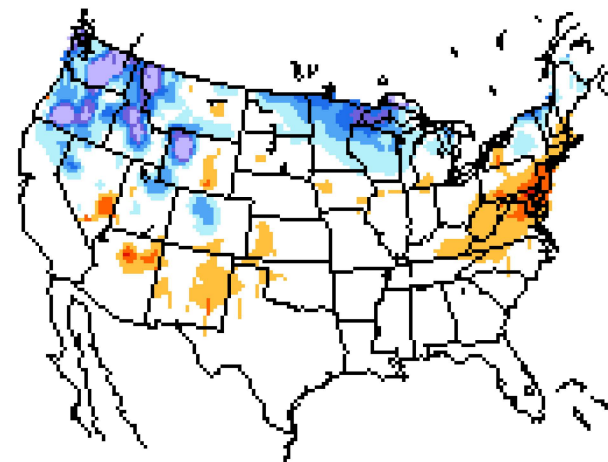
Neutral Year Mean



El Niño mean – Neutral mean

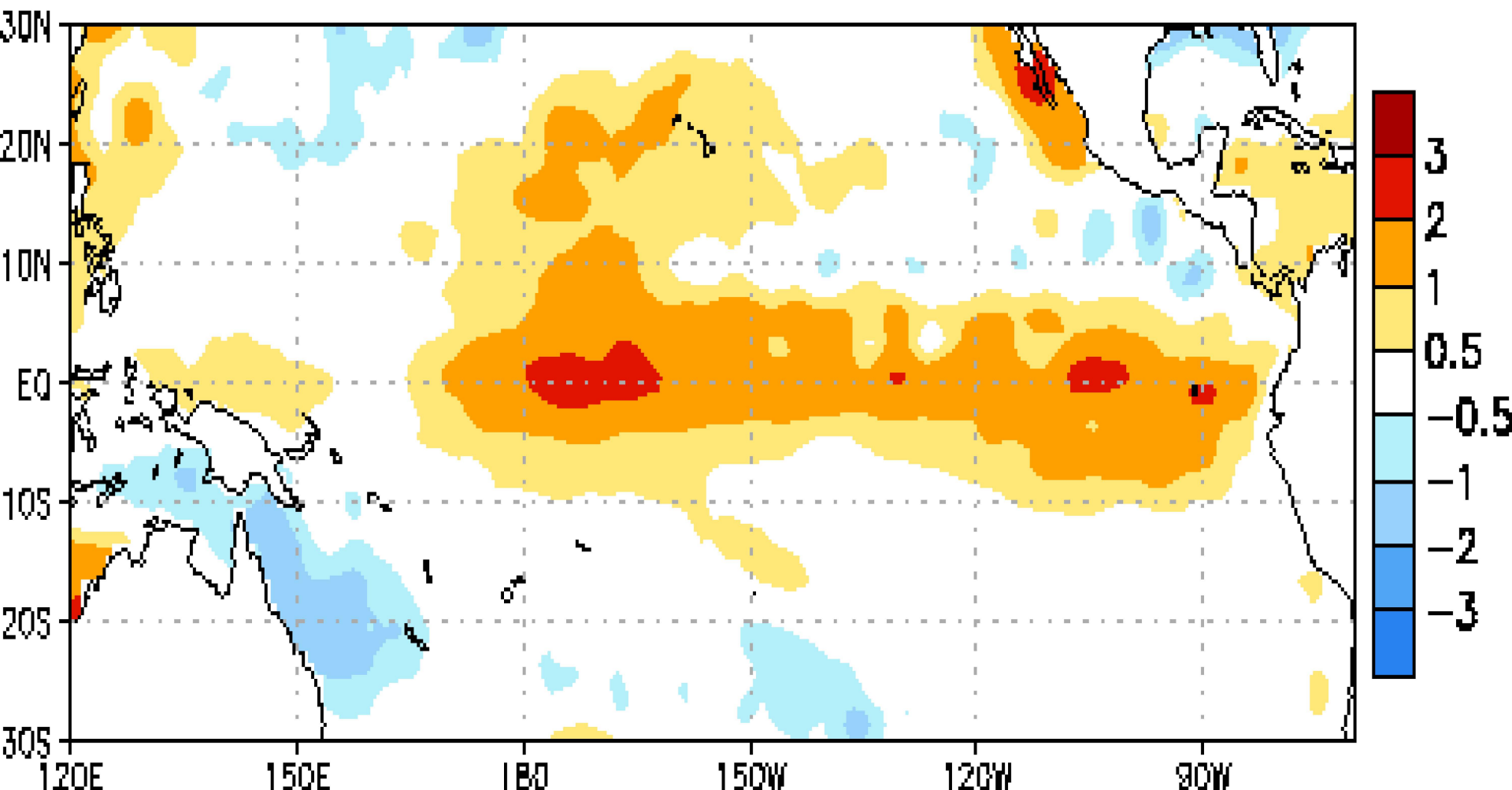


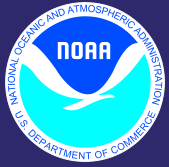
La Niña mean – Neutral mean



Week centered on 22 NOV 2006

SST Anomalies ($^{\circ}\text{C}$)

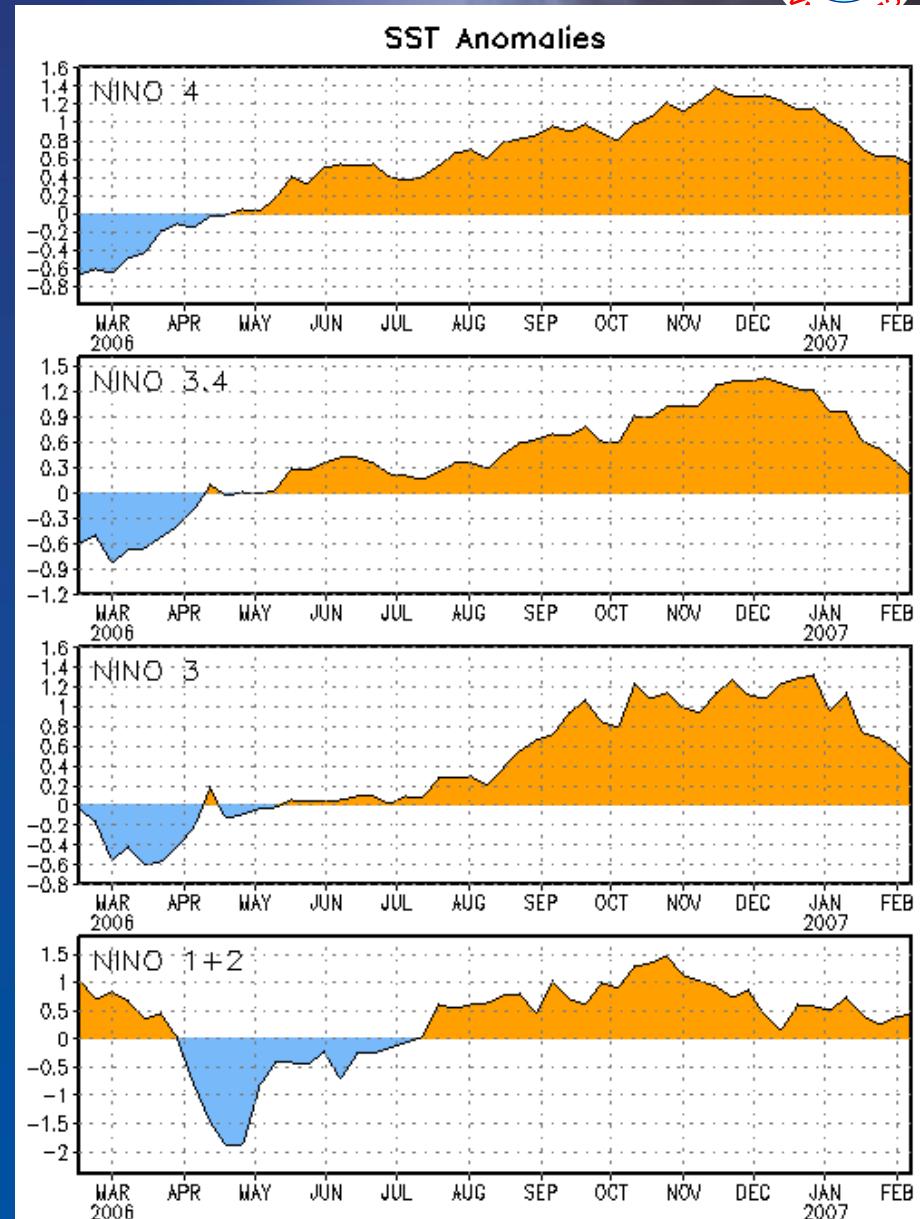
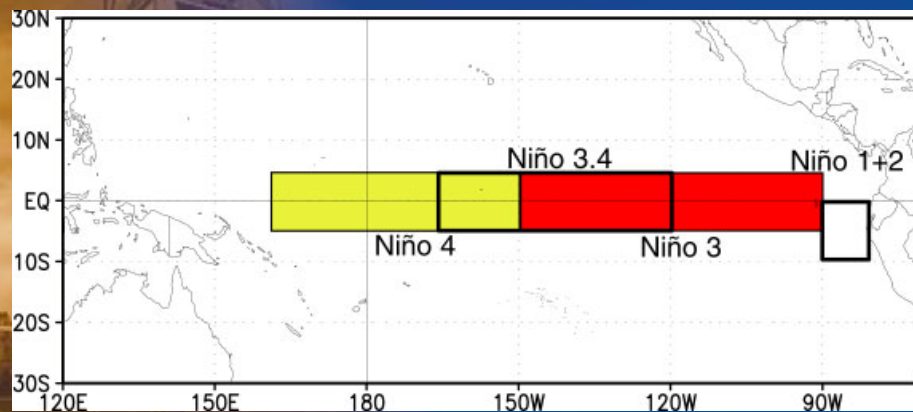




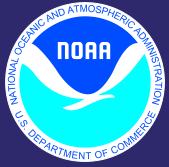
Niño Region SST Departures (°C) Recent Evolution



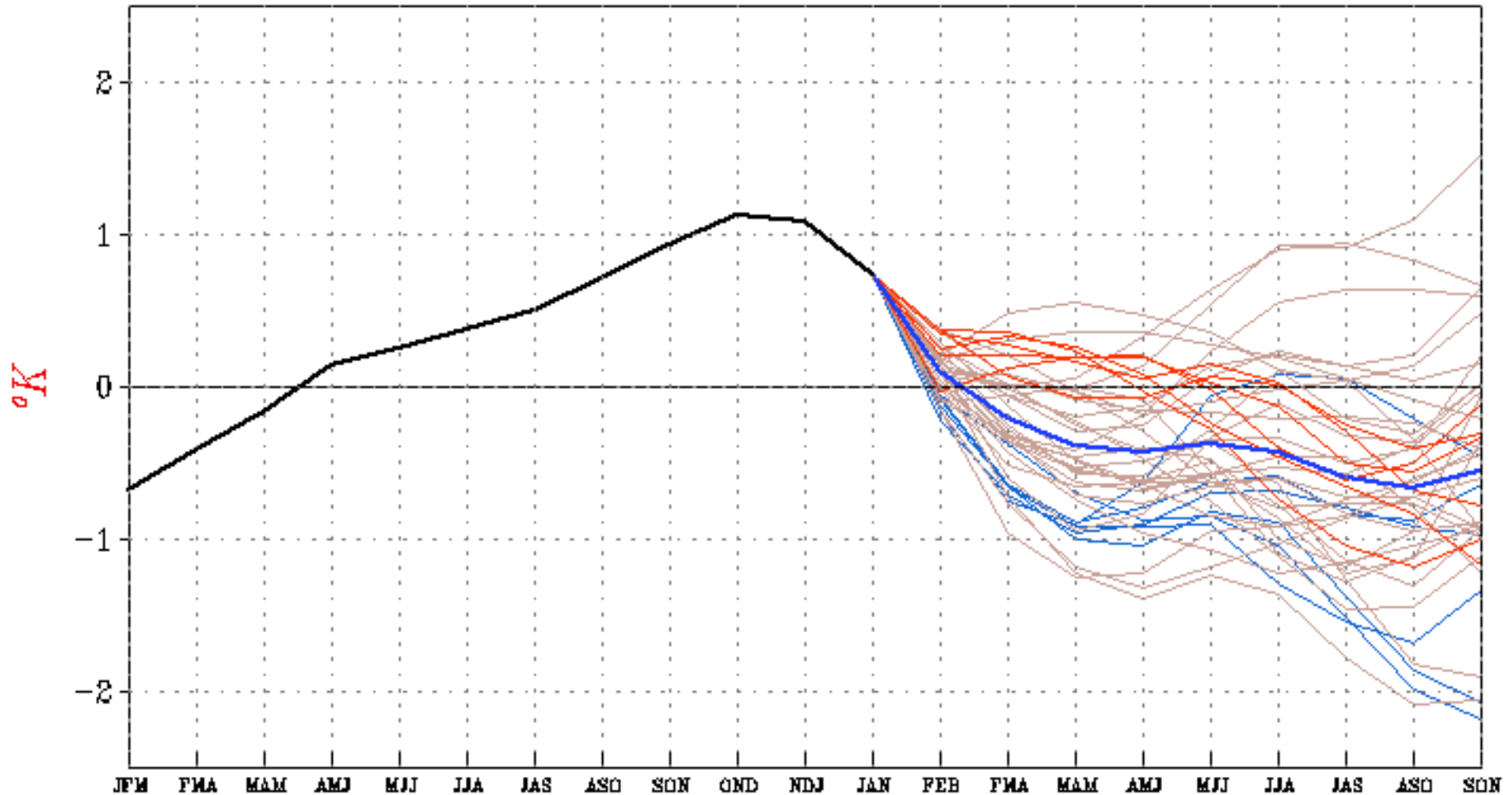
SST anomalies decreased in all of the Niño regions during the last month. The latest anomalies are between +0.3°C (Niño 3.4) and +0.6°C (Niño 4).



SST Outlook: NCEP CFS Forecast Issued 10 February 2007

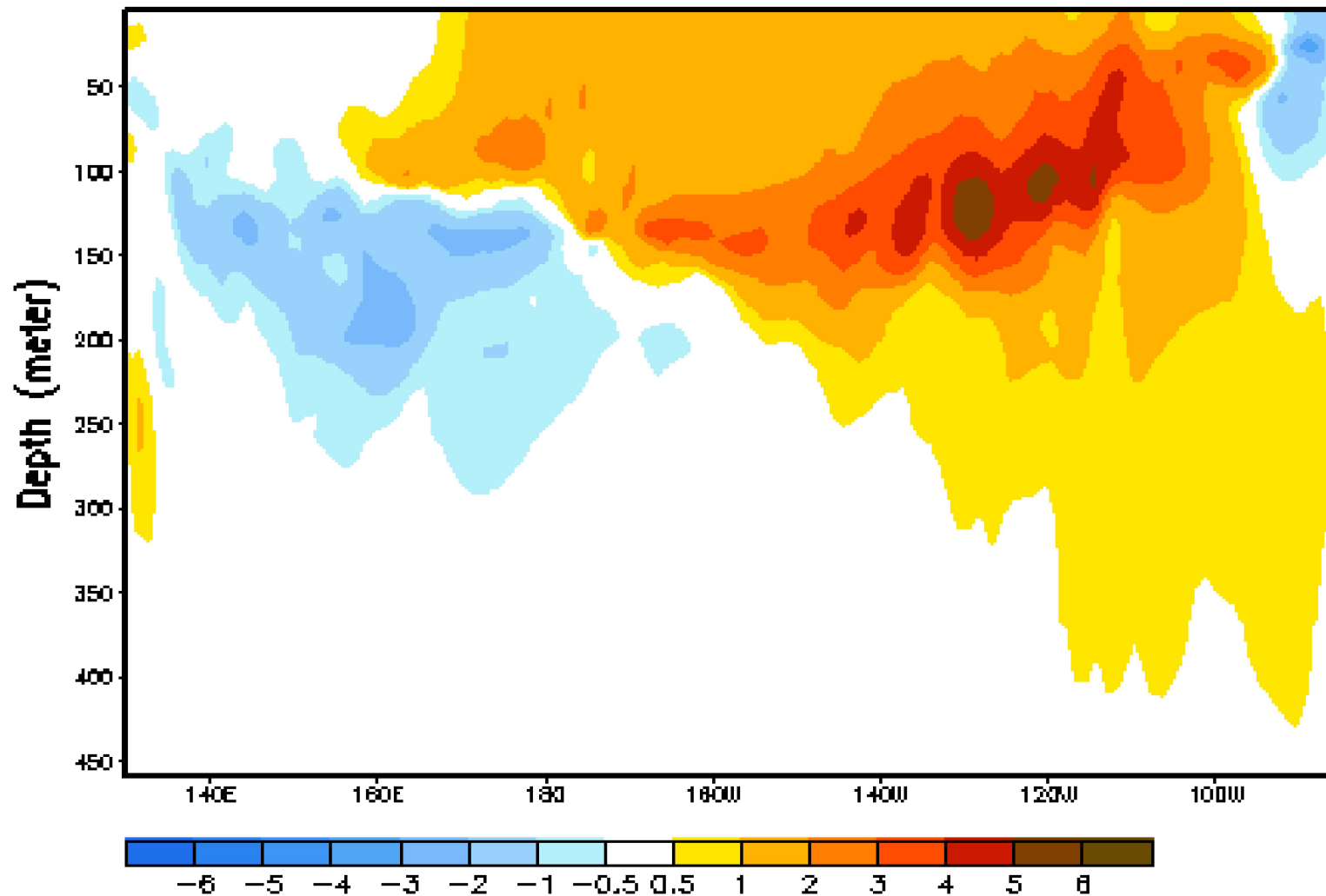


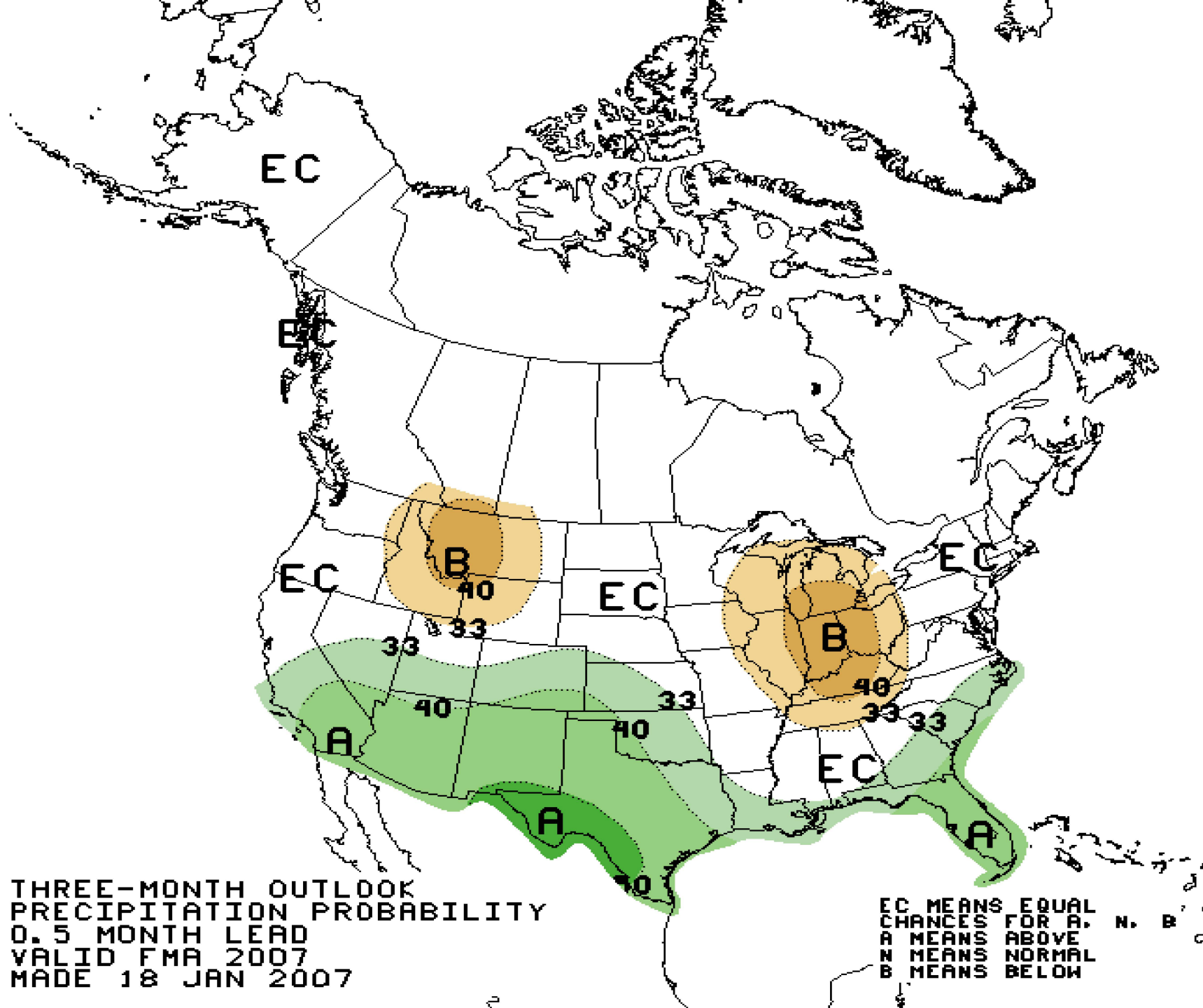
Forecast Nino3.4 SST anomalies from CFS

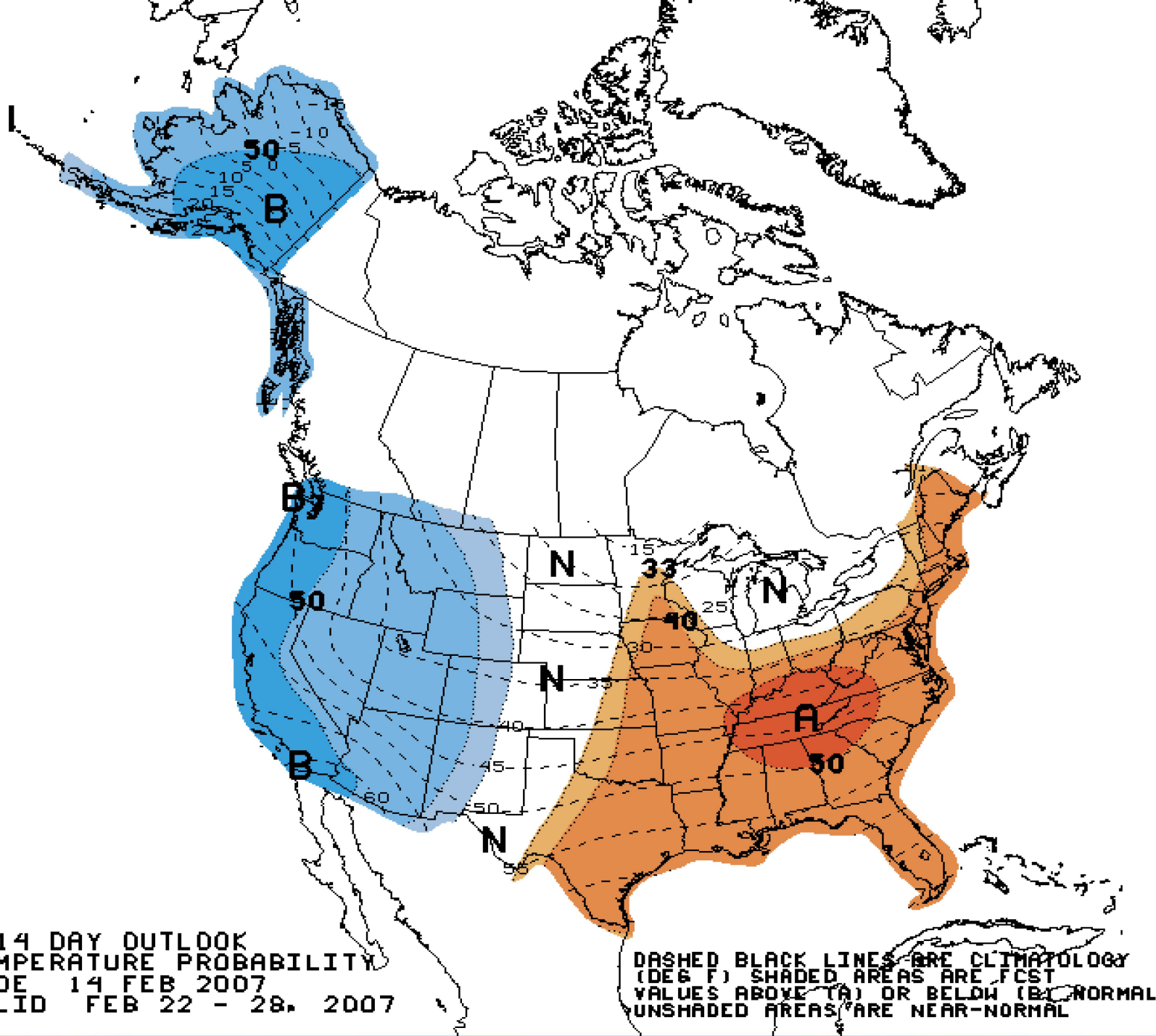


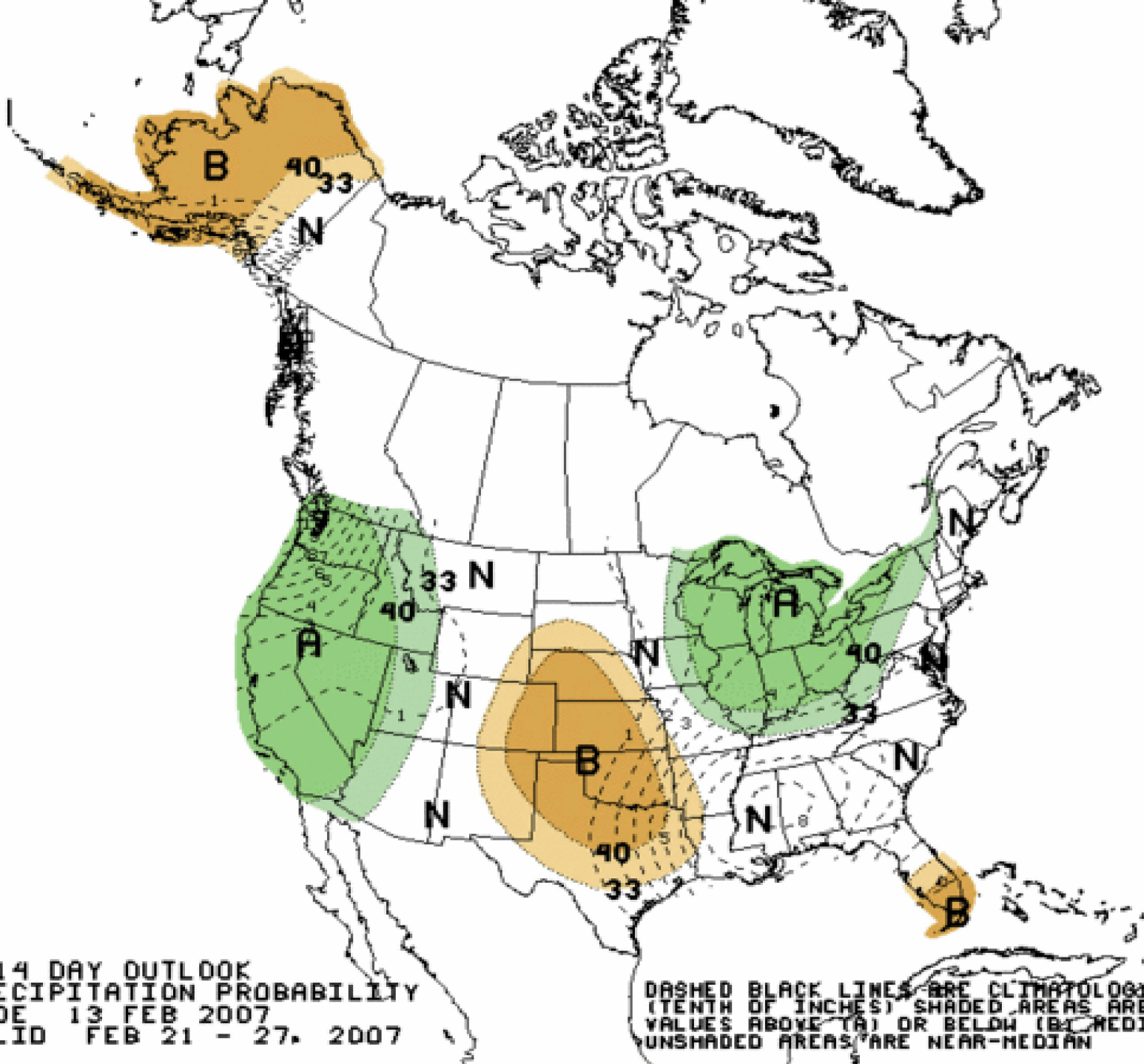
Equatorial Temperature Anomaly ($^{\circ}\text{C}$)

Pentad centered on 29 NOV 2006





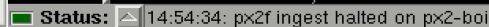




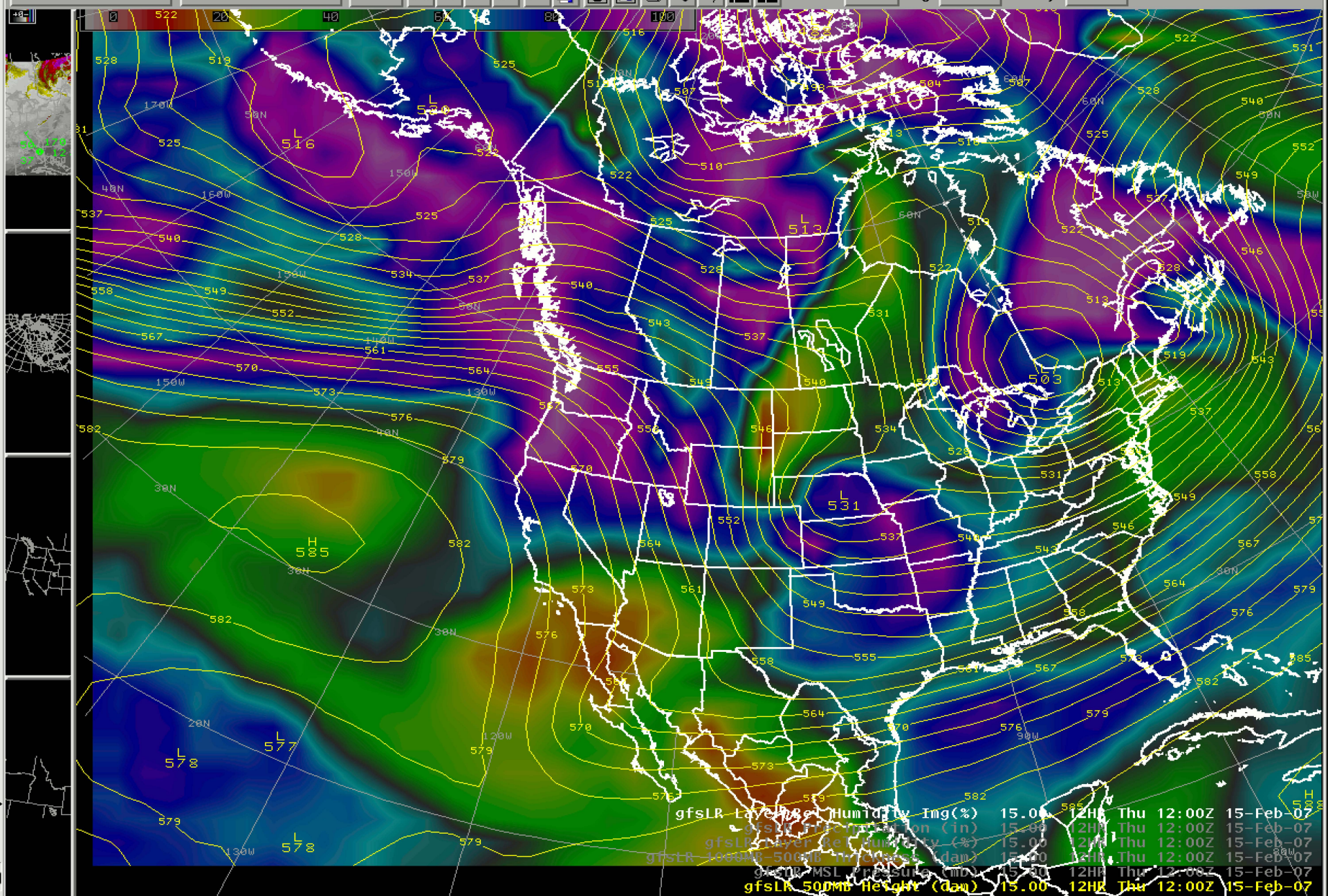
8-14 DAY OUTLOOK
PRECIPITATION PROBABILITY
MADE 13 FEB 2007
VALID FEB 21 - 27, 2007

DASHED BLACK LINES ARE CLIMATOLOGY
(TENTH OF INCHES) SHADED AREAS ARE FCS
VALUES ABOVE (A) OR BELOW (B) MEDIAN
UNSHADED AREAS ARE NEAR-MEDIAN

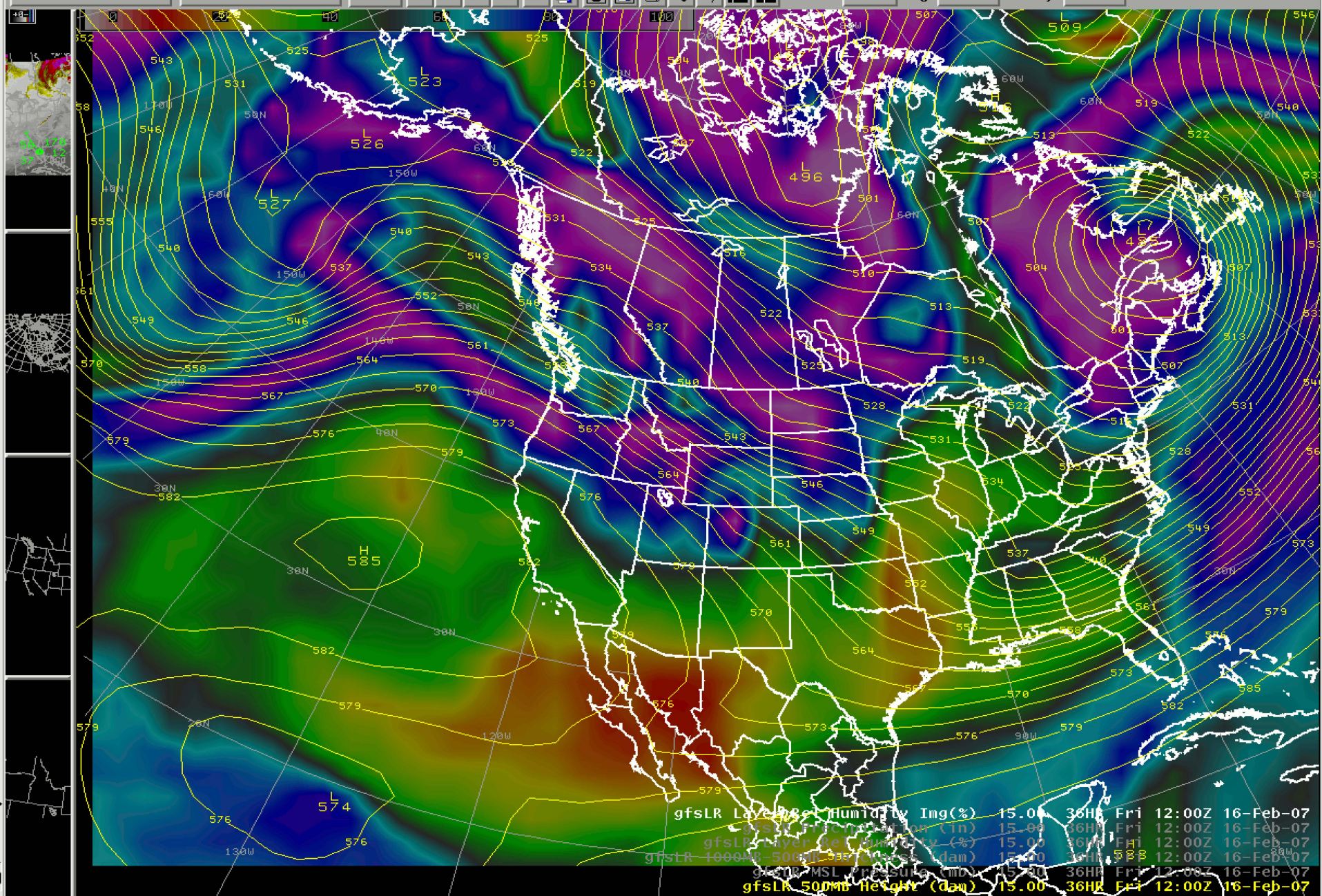
+3-

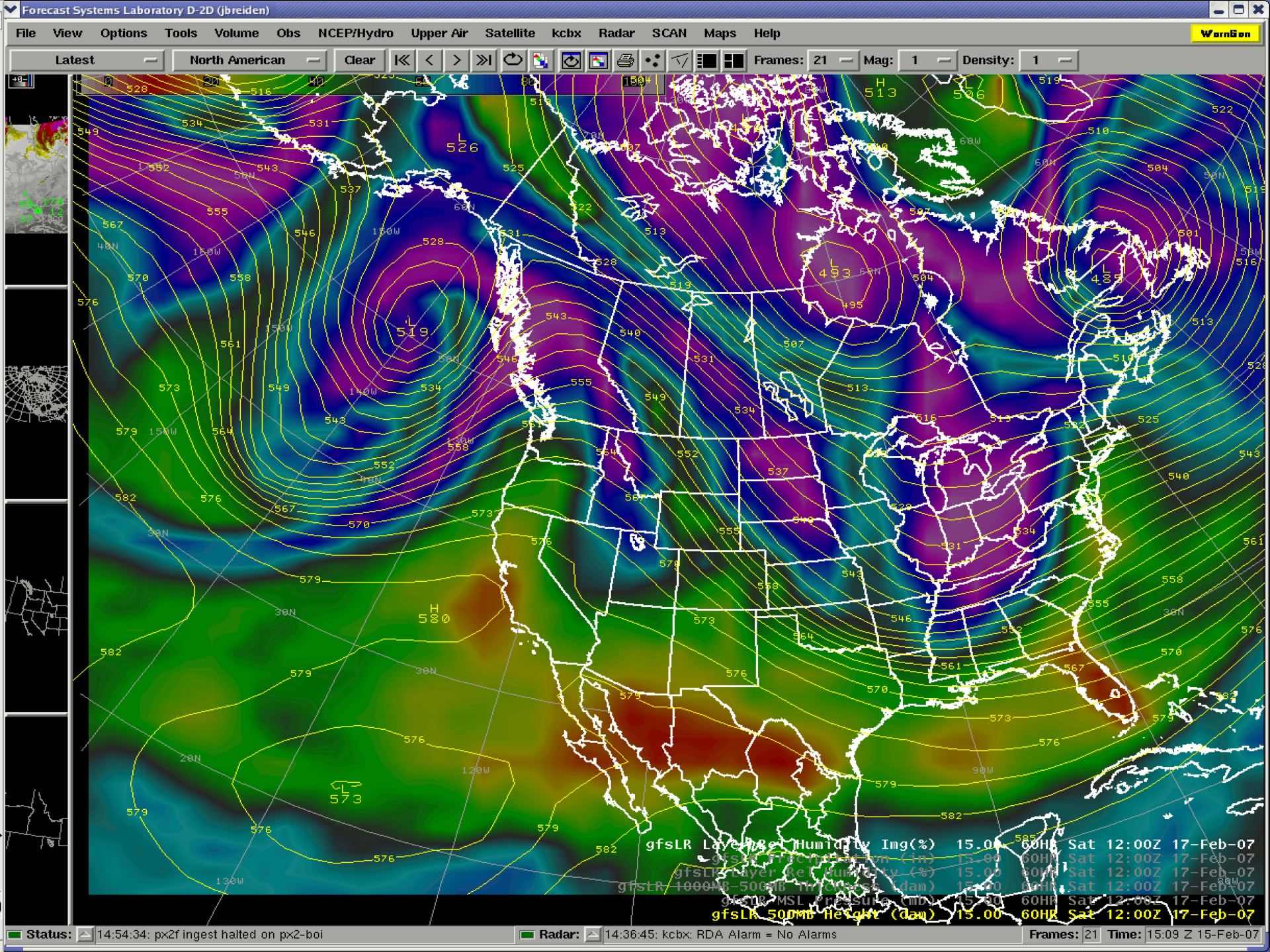


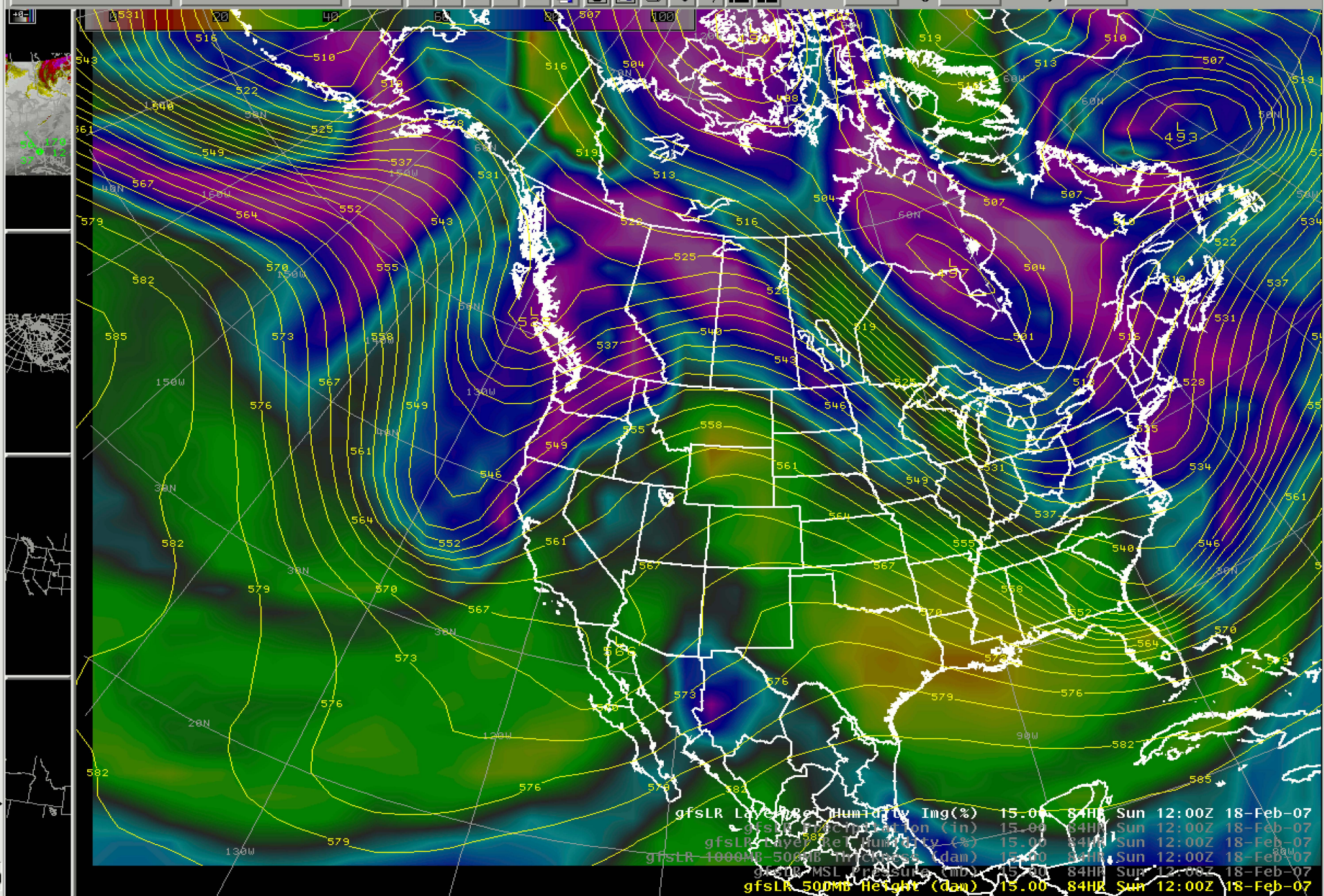
Latest North American Clear [Navigation Icons] Frames: 21 Mag: 1 Density: 1



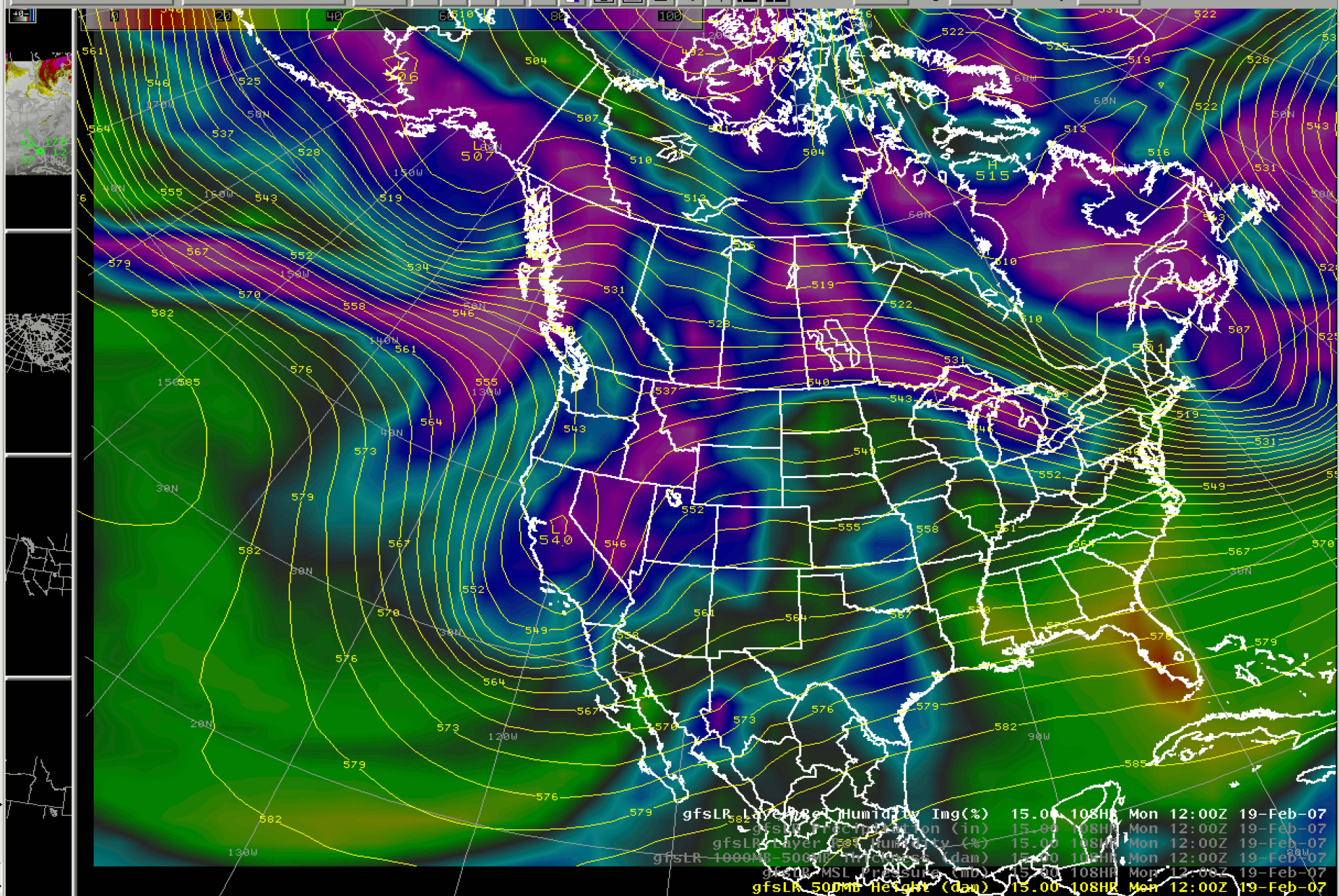
Latest North American Clear < > >> 100 Frames: 21 Mag: 1 Density: 1



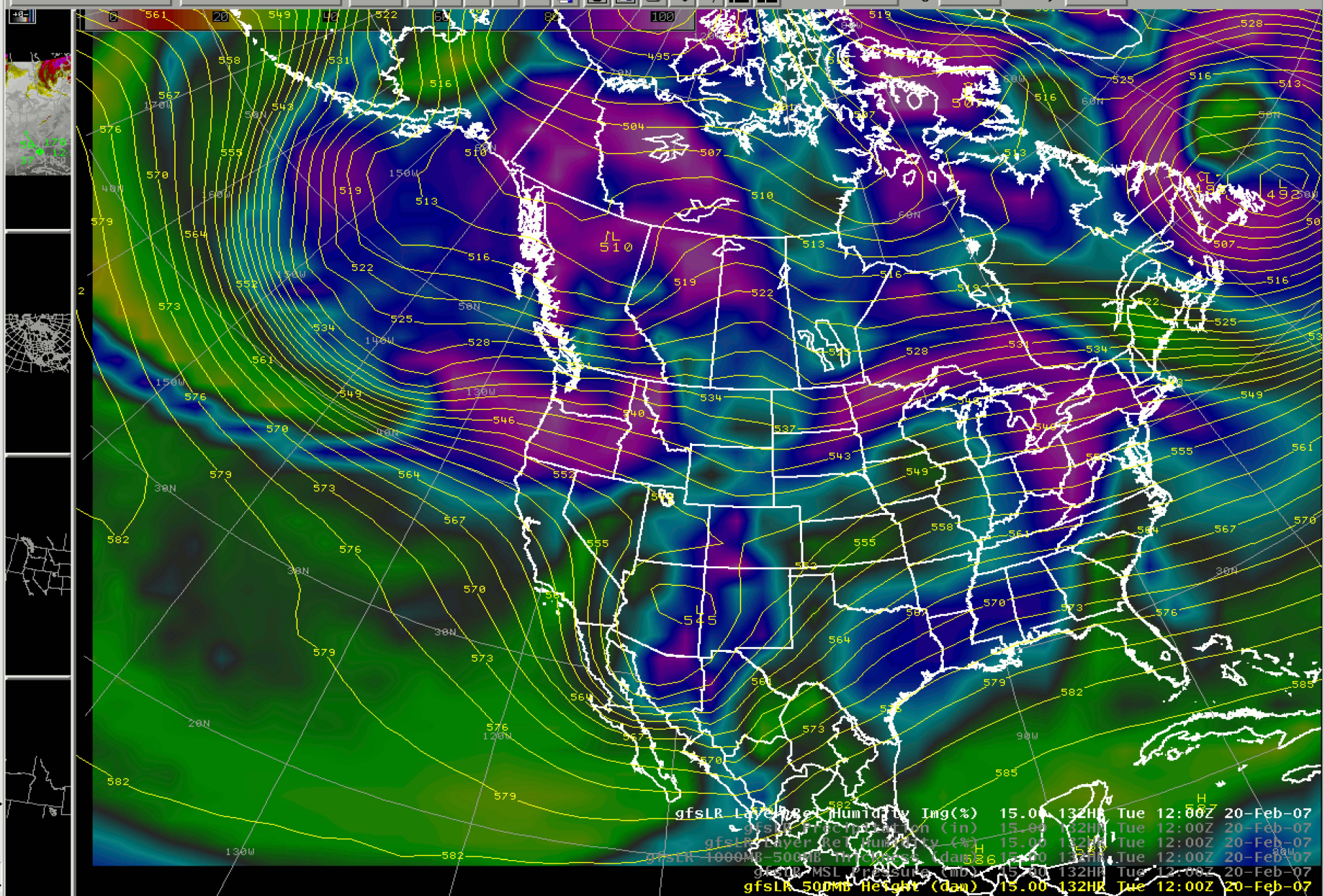


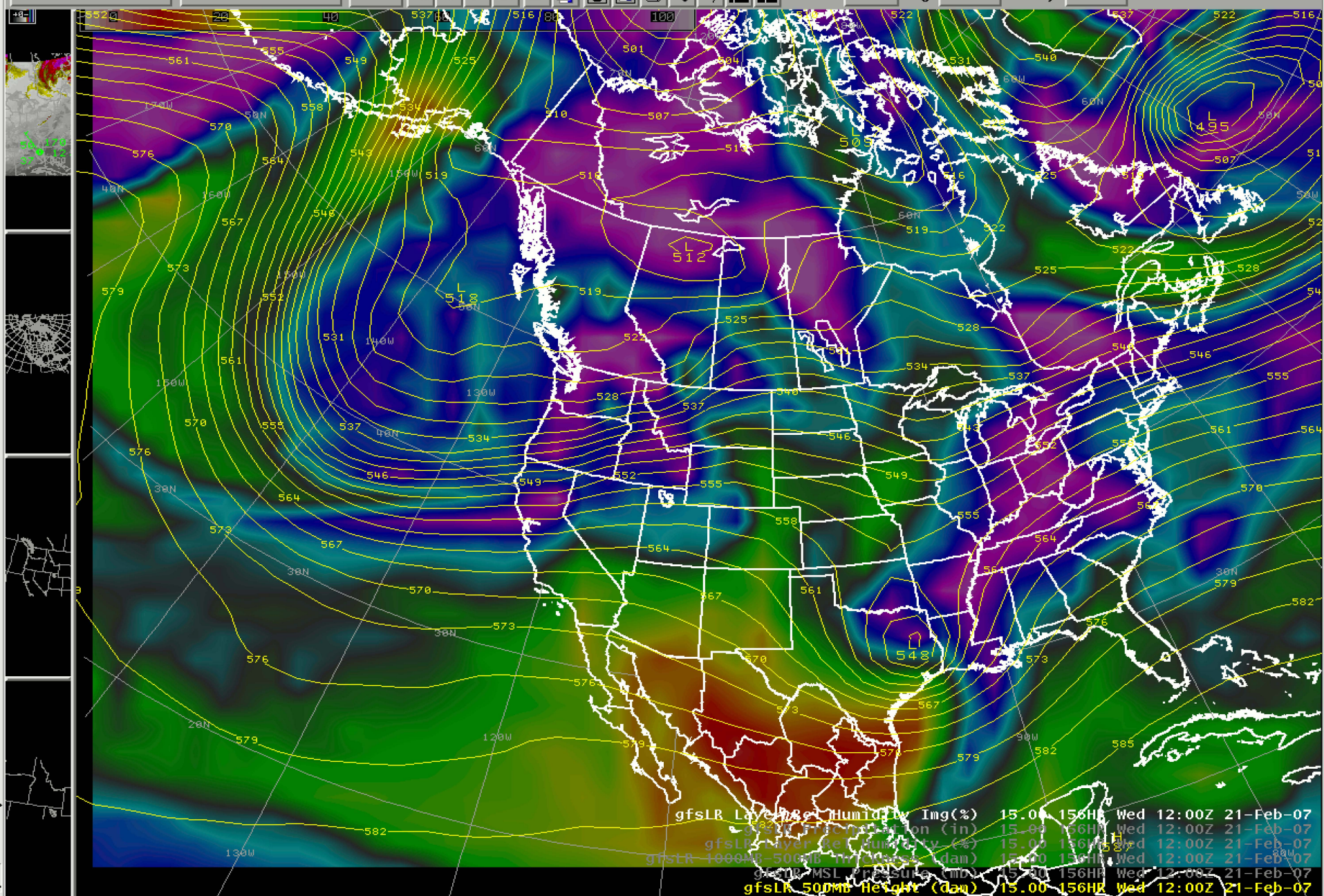


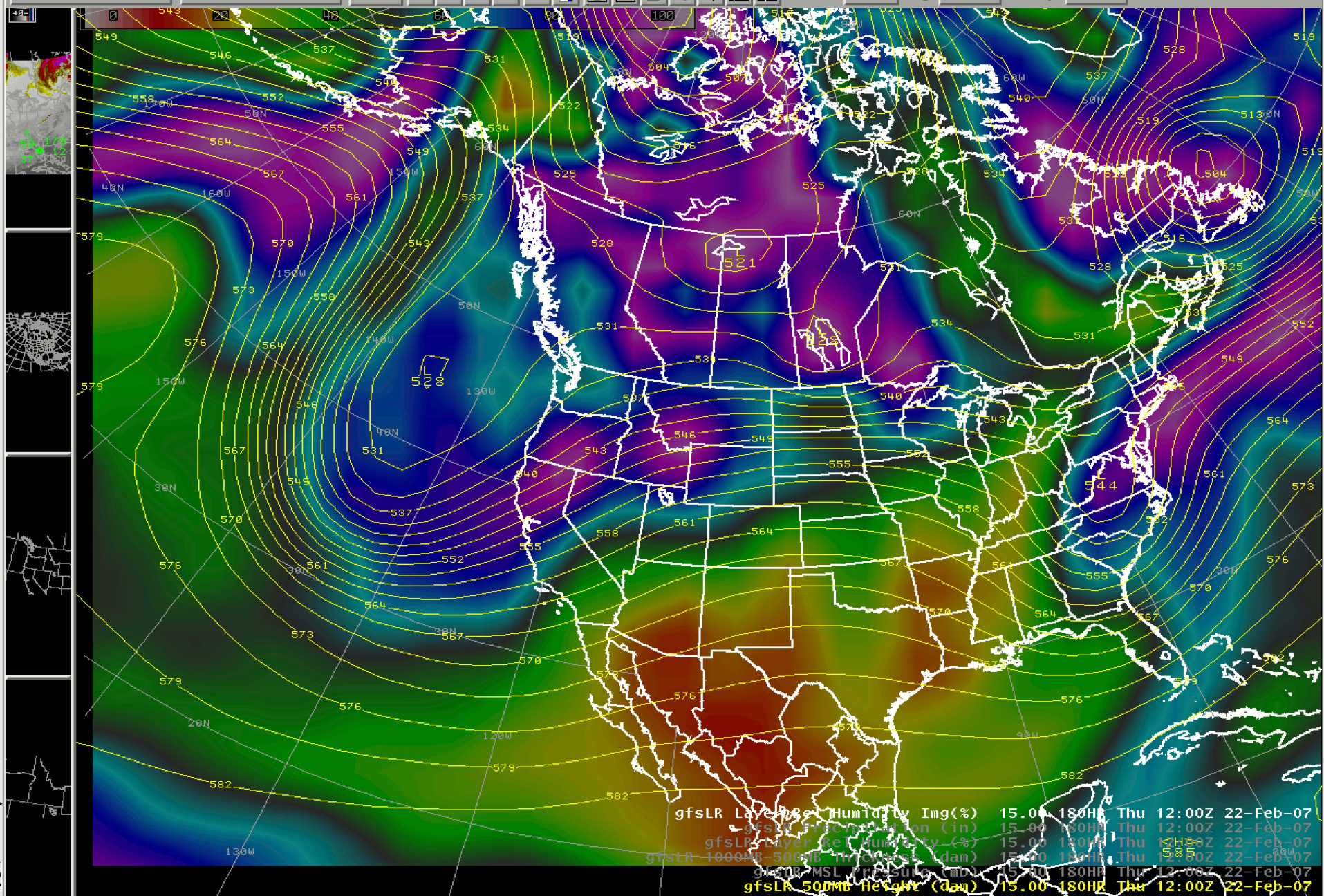
Latest North American Clear < > Frames: 21 Mag: 1 Density: 1



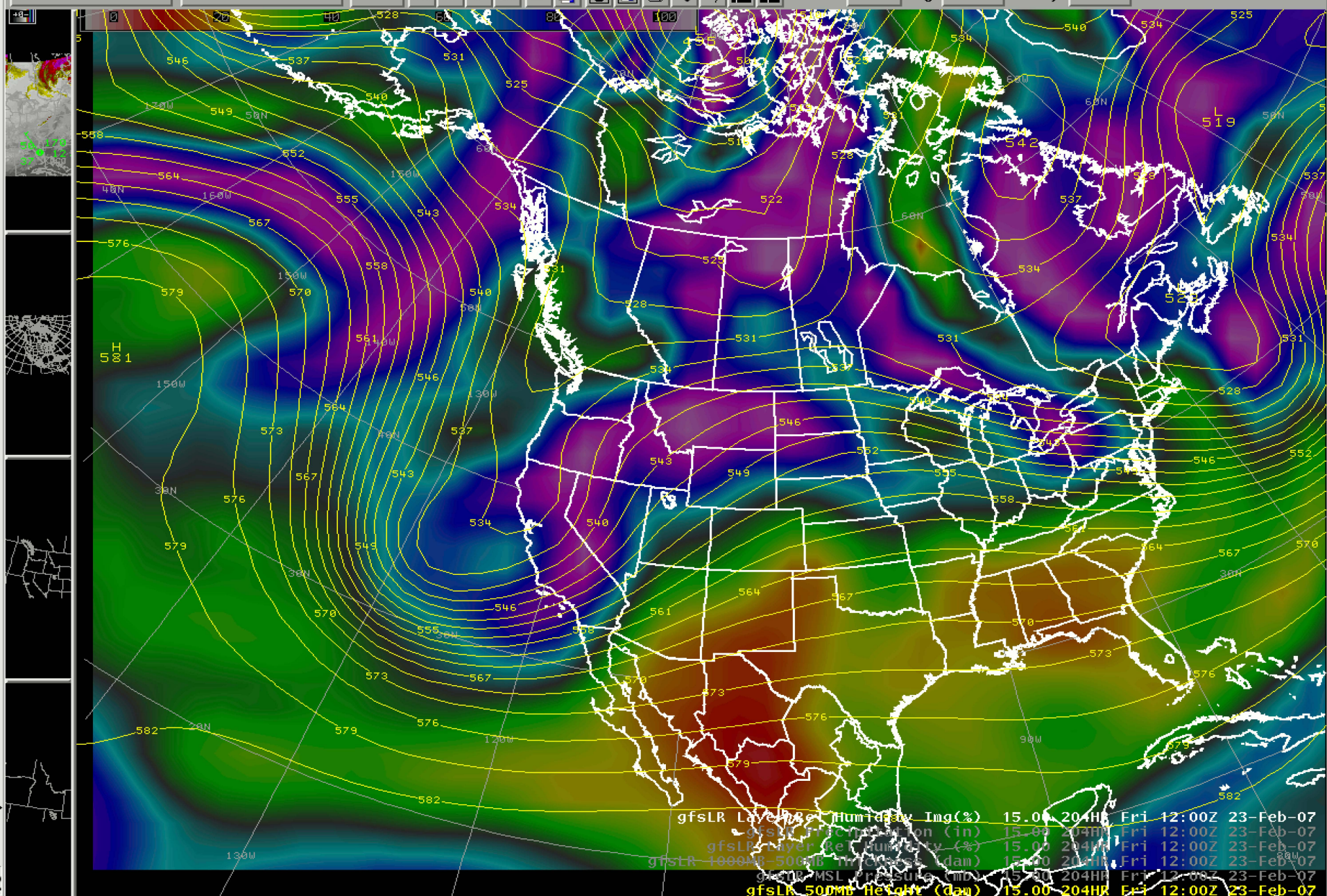
Latest North American Clear < > >> 100 Frames: 21 Mag: 1 Density: 1

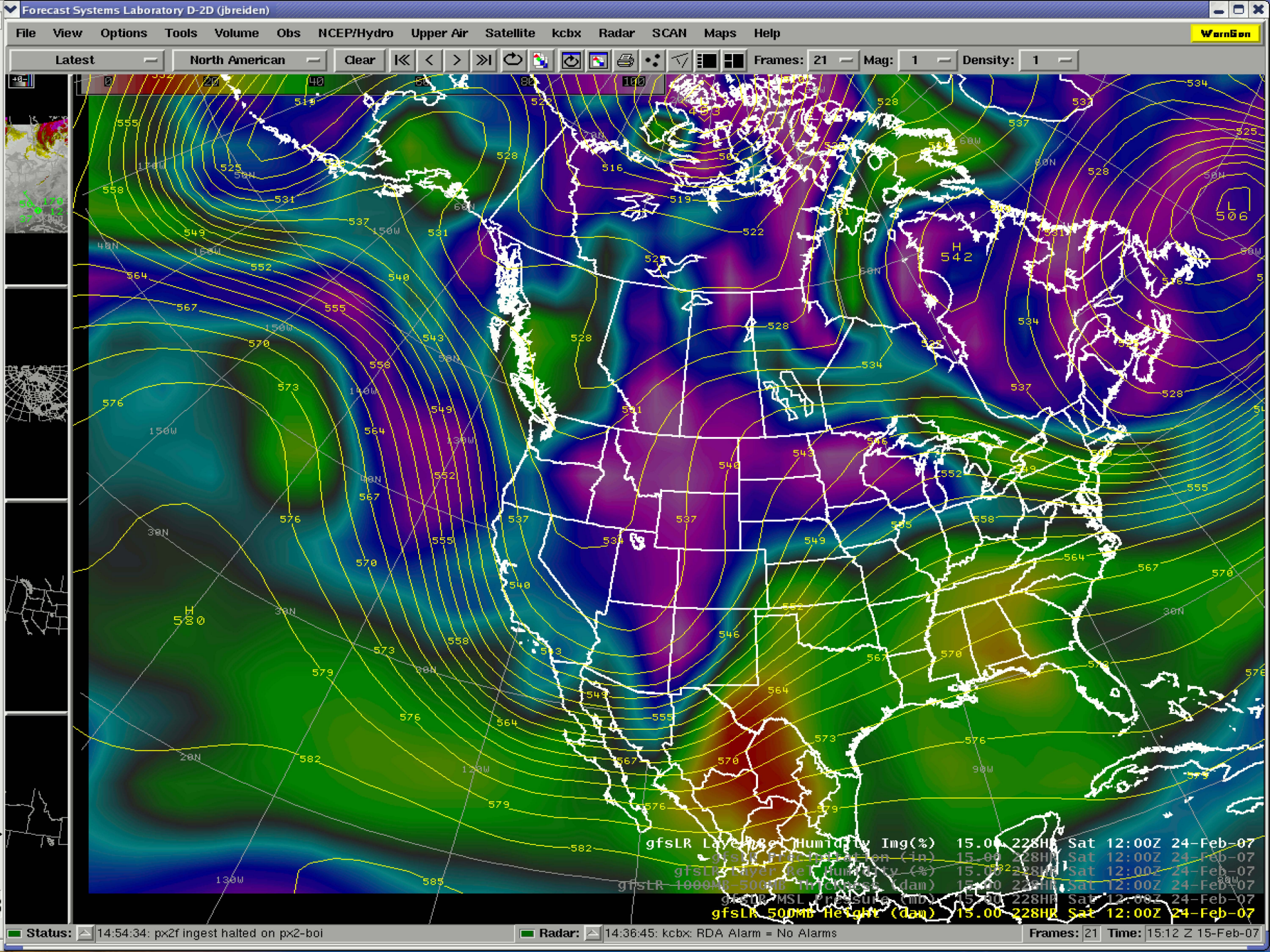






Latest North American Clear << < > >> Refresh Print Settings Help Frames: 21 Mag: 1 Density: 1







NATIONAL WEATHER SERVICE Western Water Supply Forecasts

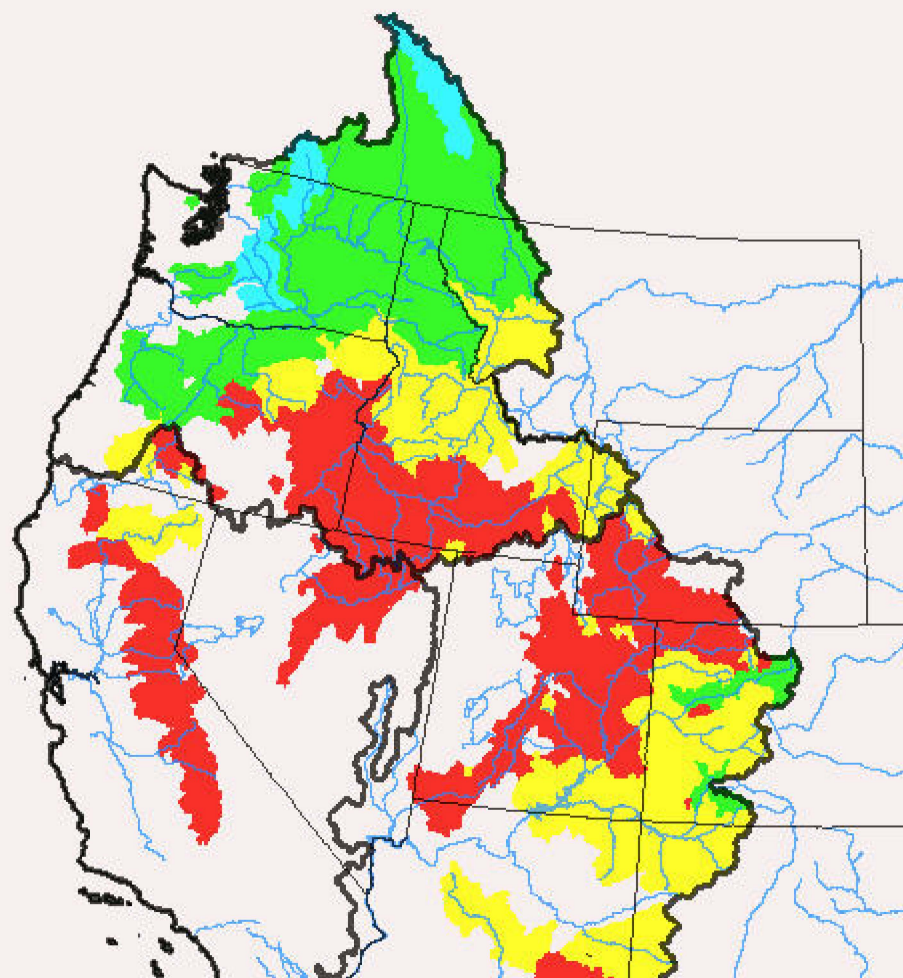
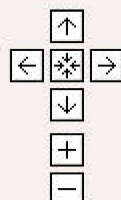


[News](#)

[Organization](#)

Seasonal Runoff Volume Forecasts

zoom/search for points



Forecast Locations (%Average)

- ☒ ☐ No Data
- ☒ ☐ Much Below Average (<70)
- ☒ ☐ Below Average (70-90)
- ☒ ☐ Near Average (90-110)
- ☒ ☐ Above Average (110-130)
- ☒ ☐ Much Above Average (>130)

Layers

- ☒ Basin Colors
- ☒ Rivers
- ☐ Streams
- ☐ Lakes
- ☒ States
- ☒ RFCs
- ☐ Basin Outlines

Map Options

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[Graph Help](#)

Methodology

[Introduction](#)
[Colorado Basin](#)
[California Nevada](#)
[Northwest](#)

Additional Data

[Colorado Basin](#)
[California Nevada](#)
[Northwest](#)

River Forecast Centers

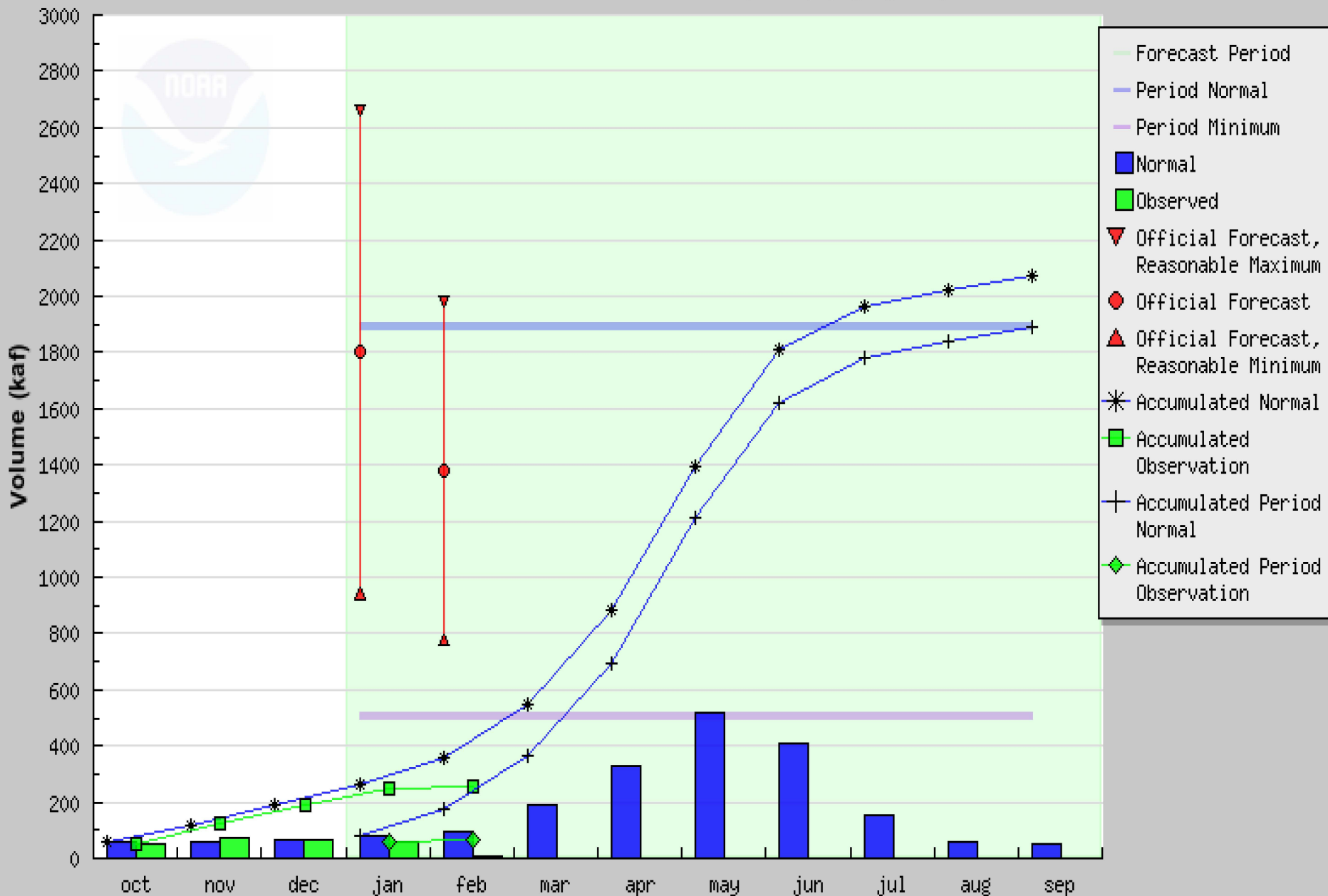
[Colorado Basin](#)
[California Nevada](#)
[Northwest](#)

Feedback

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BOISE-BOISE LUCKY PEAK DAM (LUC1)

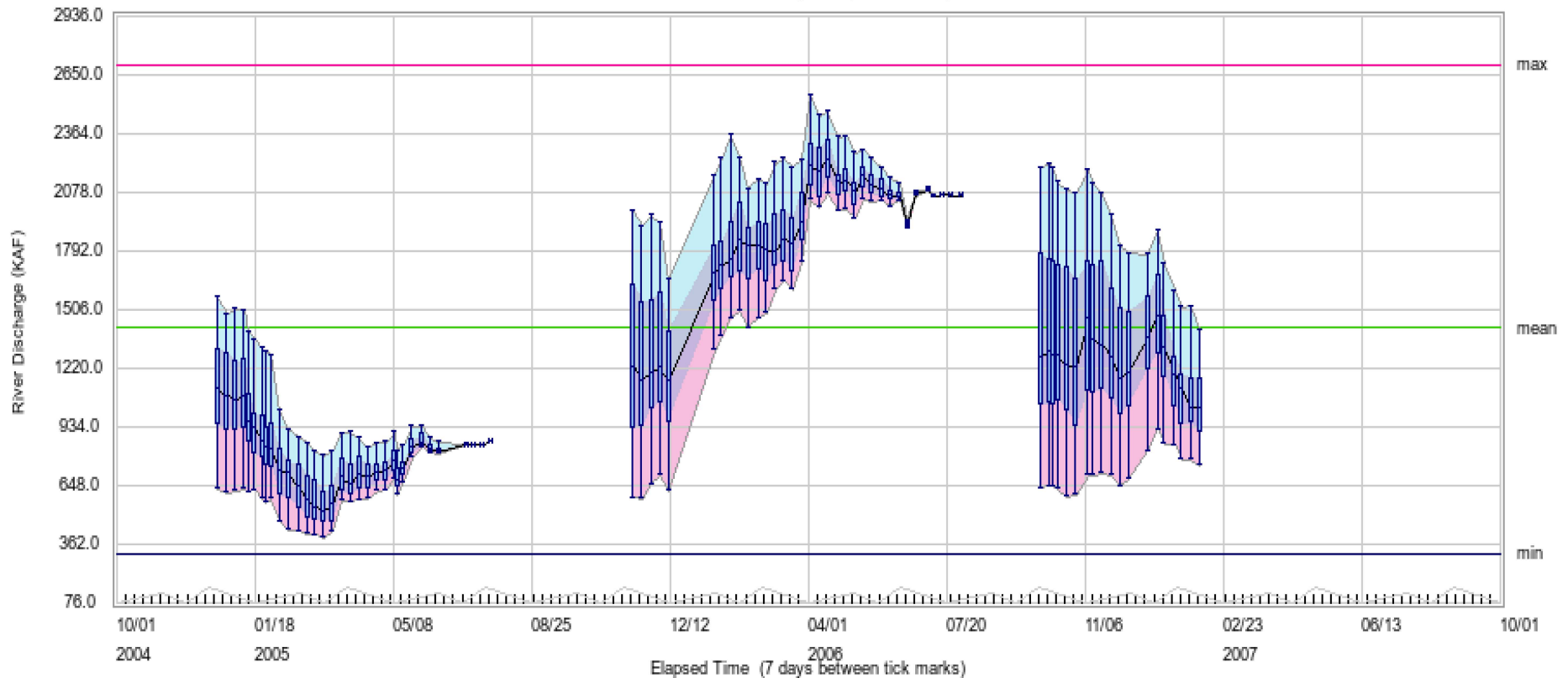
Water Year 2007, Forecast Period jan-sep (highlighted)





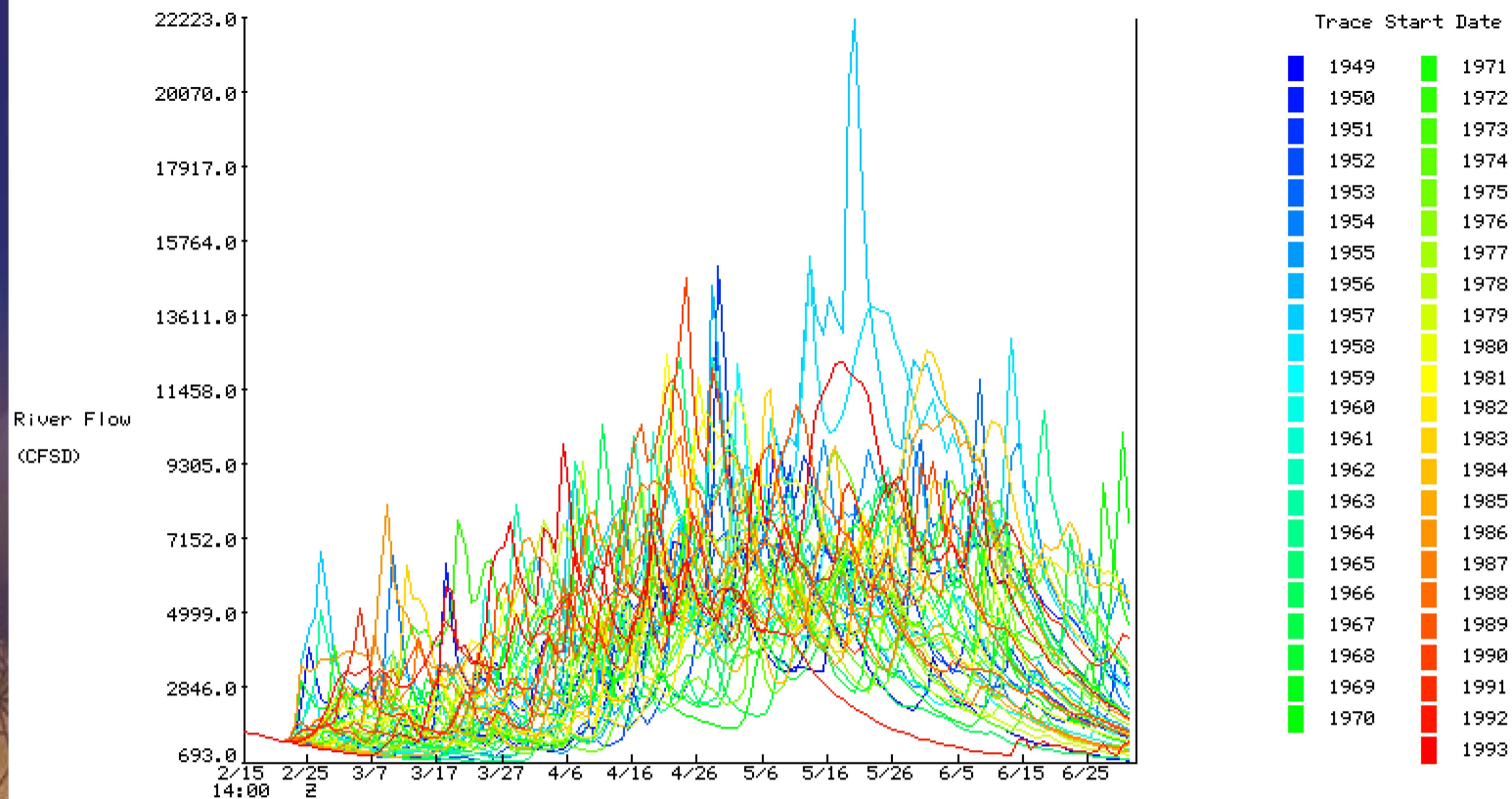
BOISE-BOISE LUCKY PEAK DAM (LUC11)

2005 - 2007 Water years, Interval Apr-Jul





ESP Trace Ensemble of LUCKY PEAK DAM
Latitude: 43.5 Longitude: 116.1
Forecast for the period 2/15/2007 14h - 7/1/2007 14h
This is a conditional simulation based on the current conditions as of 2/12/2007



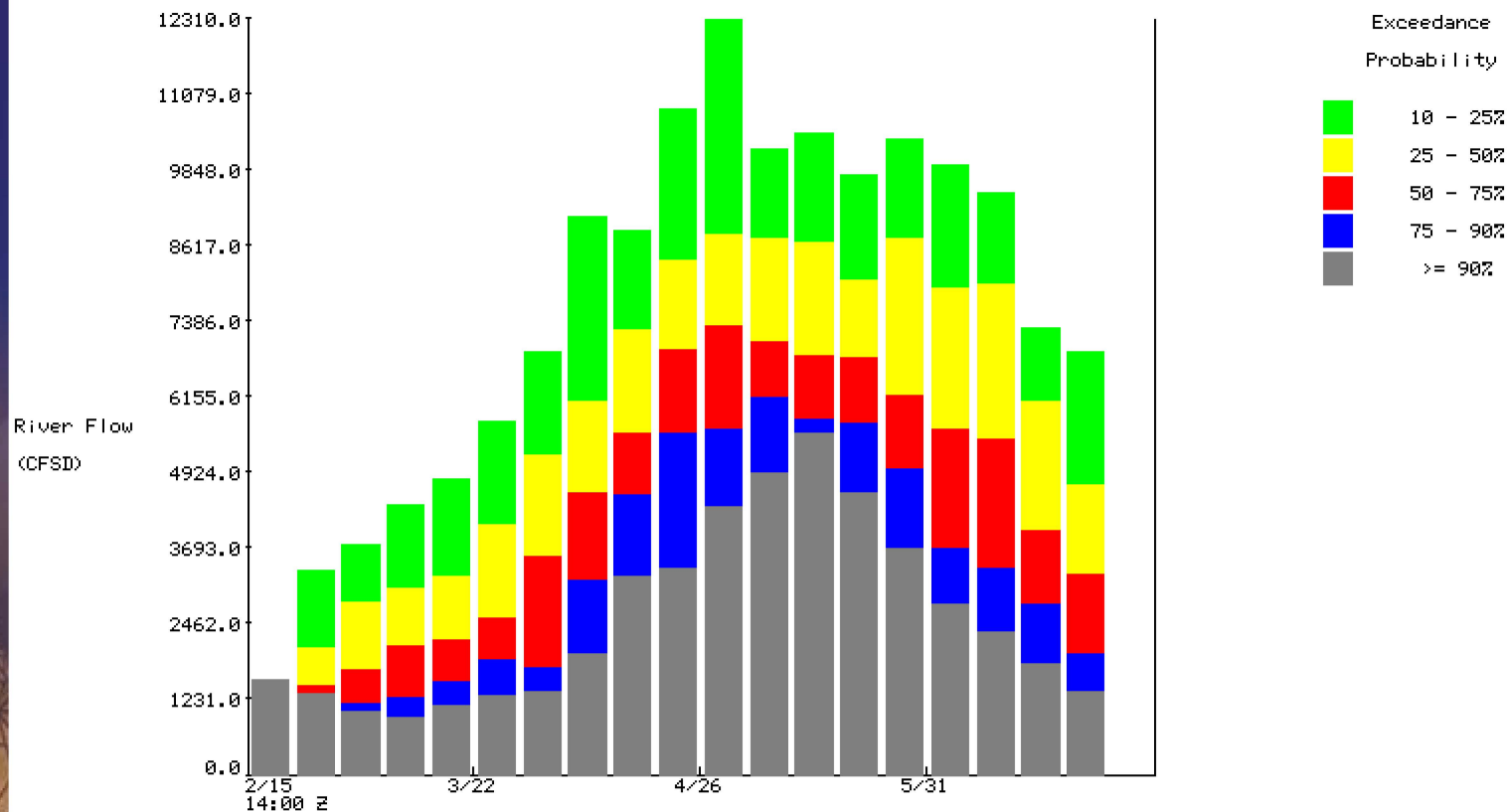


1 Week Chances of Exceeding River Levels on the LUCKY PEAK DAM

Latitude: 43.5 Longitude: 116.1

Forecast for the period 2/15/2007 - 6/28/2007

This is a conditional simulation based on the current conditions as of 2/12/2007



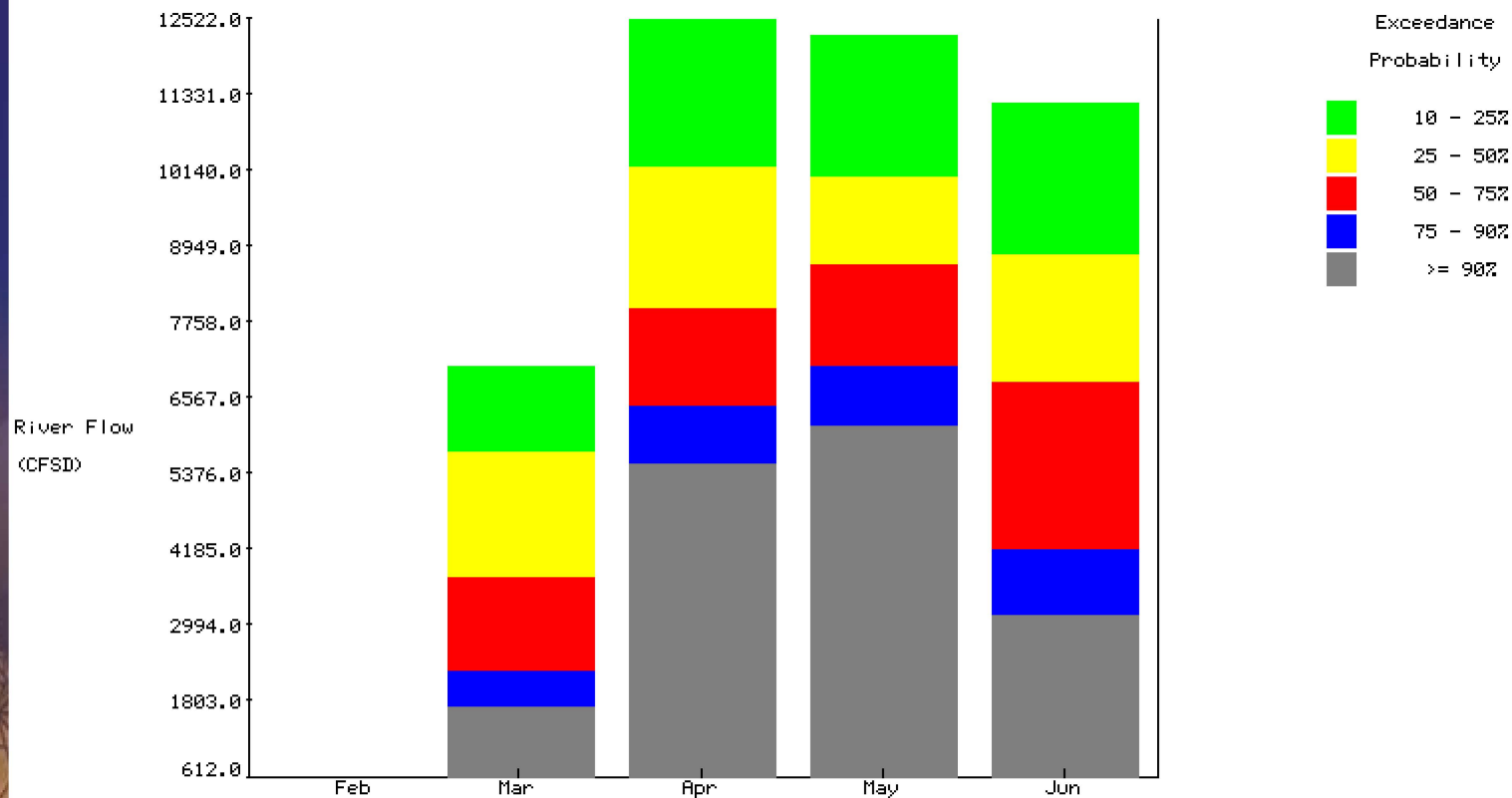


1 Month Chances of Exceeding River Levels on the LUCKY PEAK DAM

Latitude: 43.5 Longitude: 116.1

Forecast for the period 2/15/2007 - 6/15/2007

This is a conditional simulation based on the current conditions as of 2/12/2007





Forecast Window Chances of Exceeding River Levels on the LUCKY PERK DAM

Latitude: 43.5 Longitude: 116.1

Forecast for the period 2/15/2007 - 7/2/2007

This is a conditional simulation based on the current conditions as of 2/12/2007

