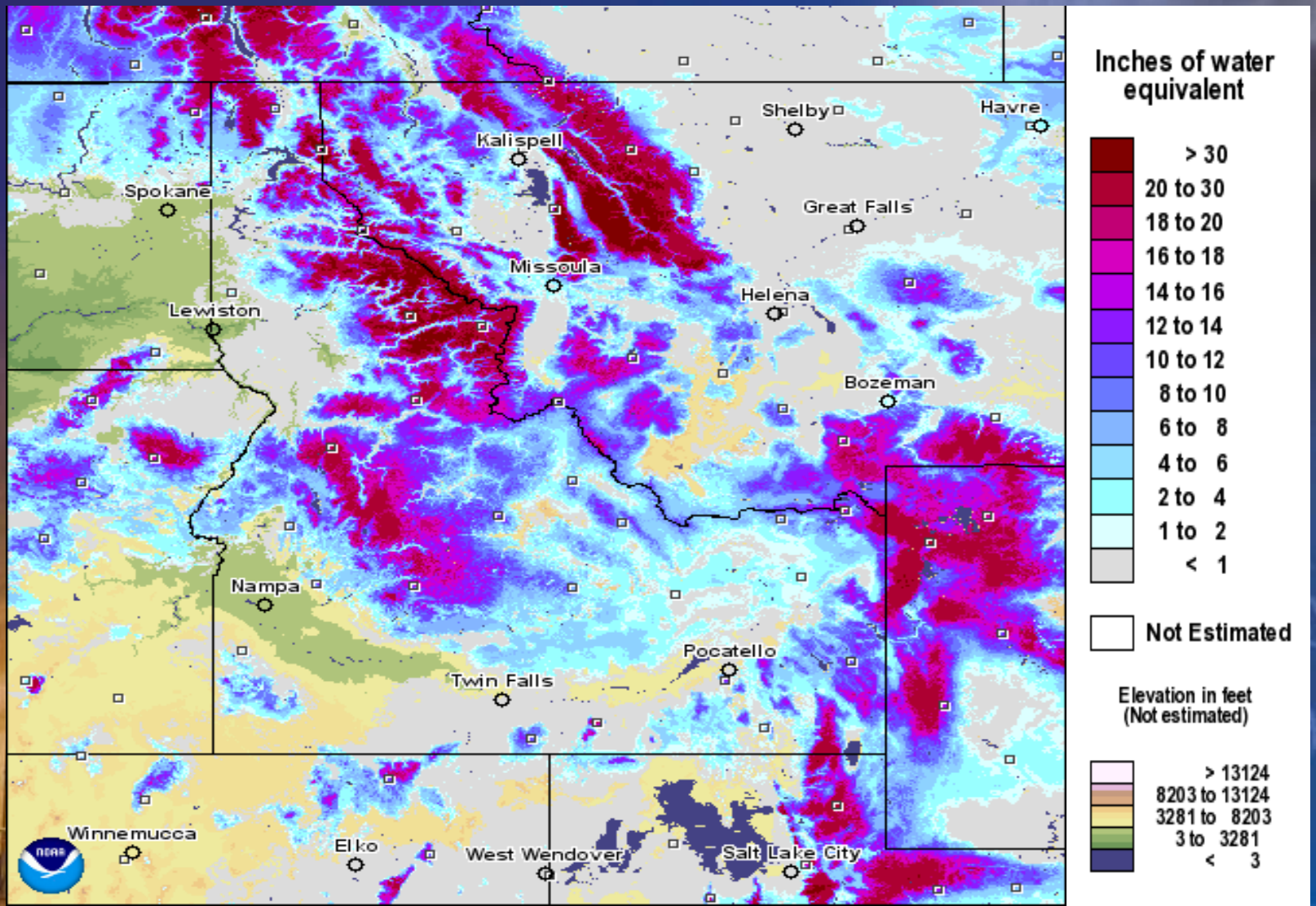
# Idaho Weather, Climate and Water Supply Outlook

## IDWR Briefing, April 11th 2011

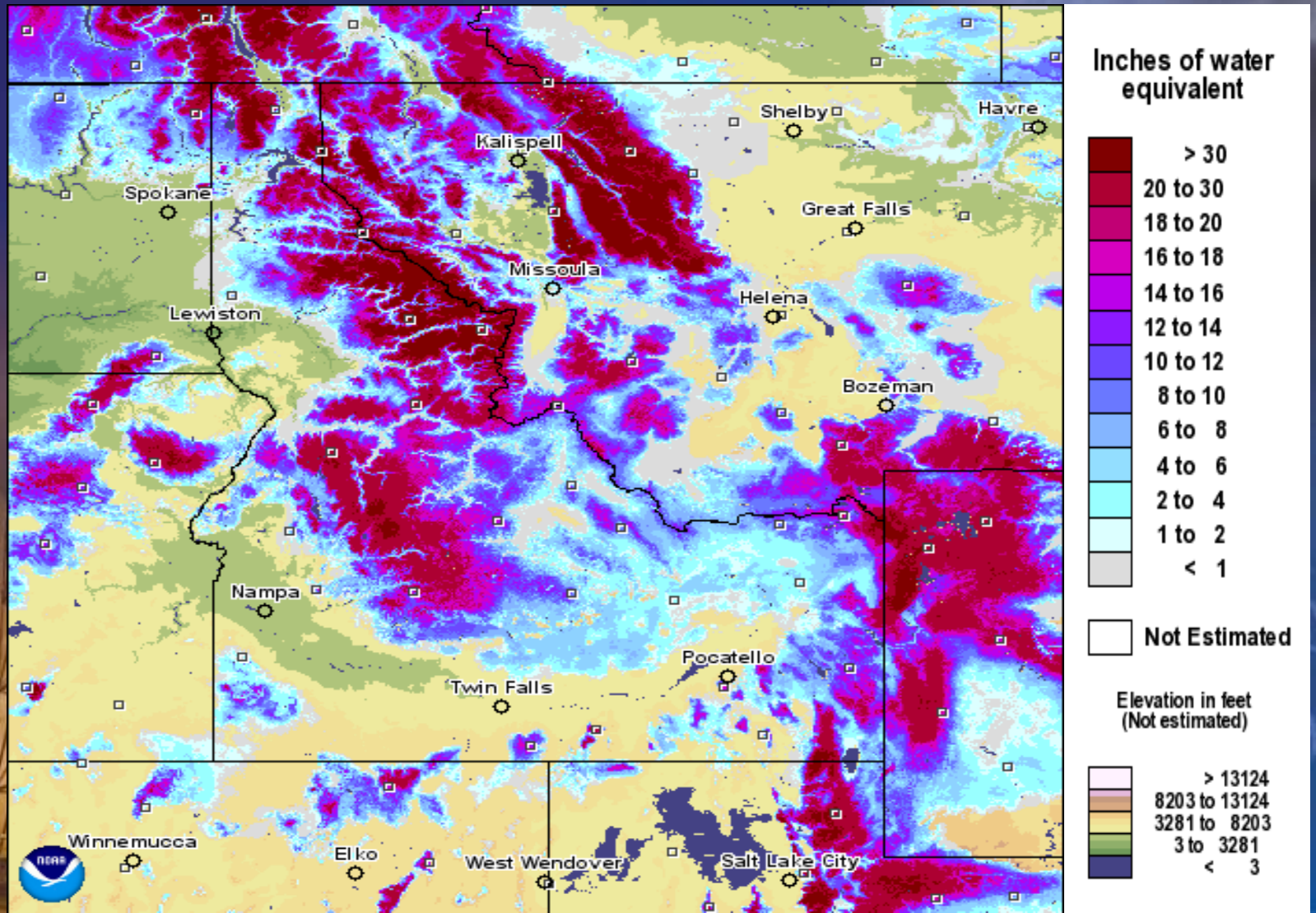
Jay Breidenbach, NOAA National Weather Service

- Snowpack Images
- Recent Temperature and Precipitation Anomalies
- Forecast for next 10 days – continuation of stormy pattern
- La-Nina Status
- Three Month Climate Outlook
- Water Supply Numbers and Idaho Spring Flood Outlook

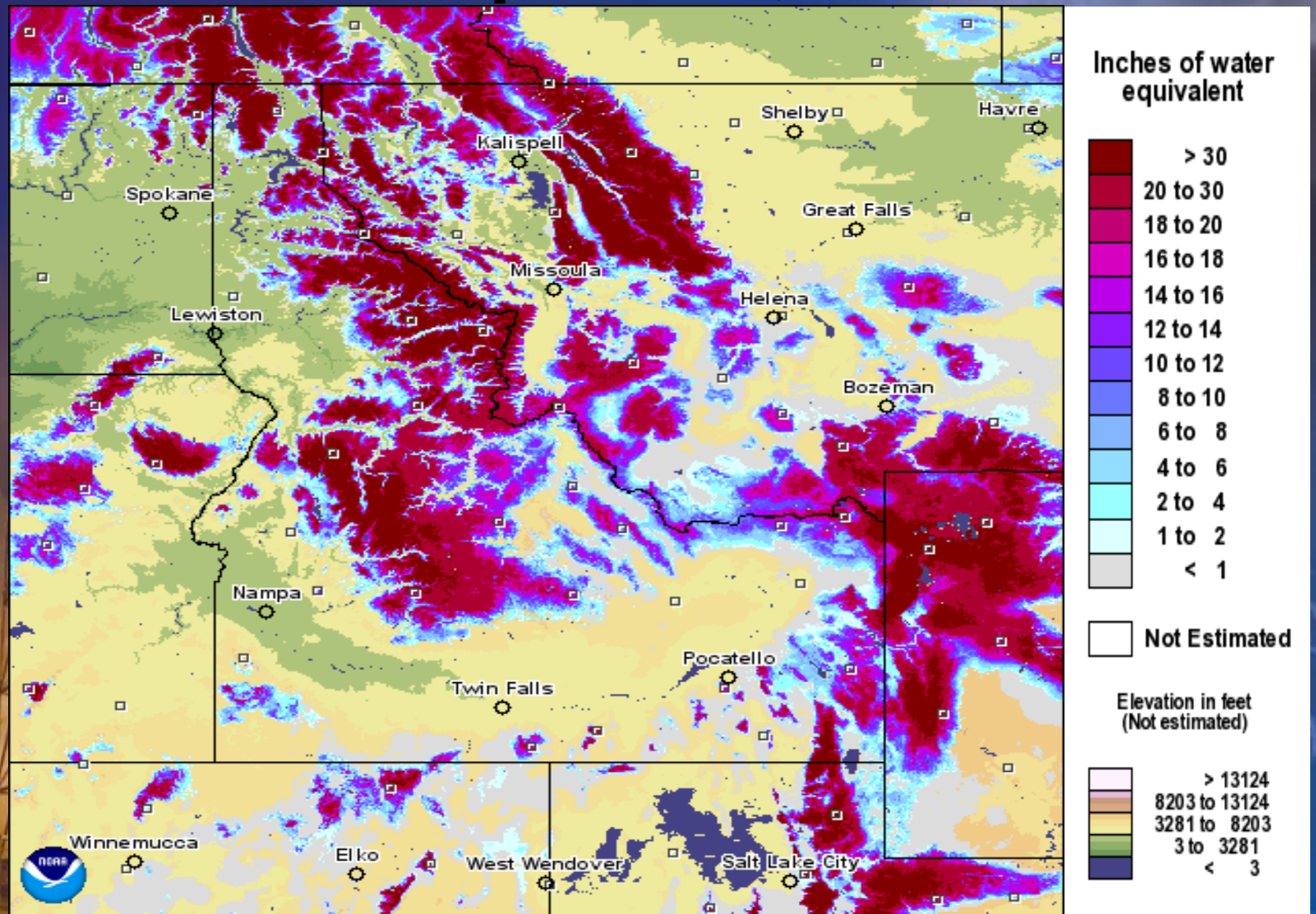
# Snow Water Equivalent
# Feb 8th, 2011



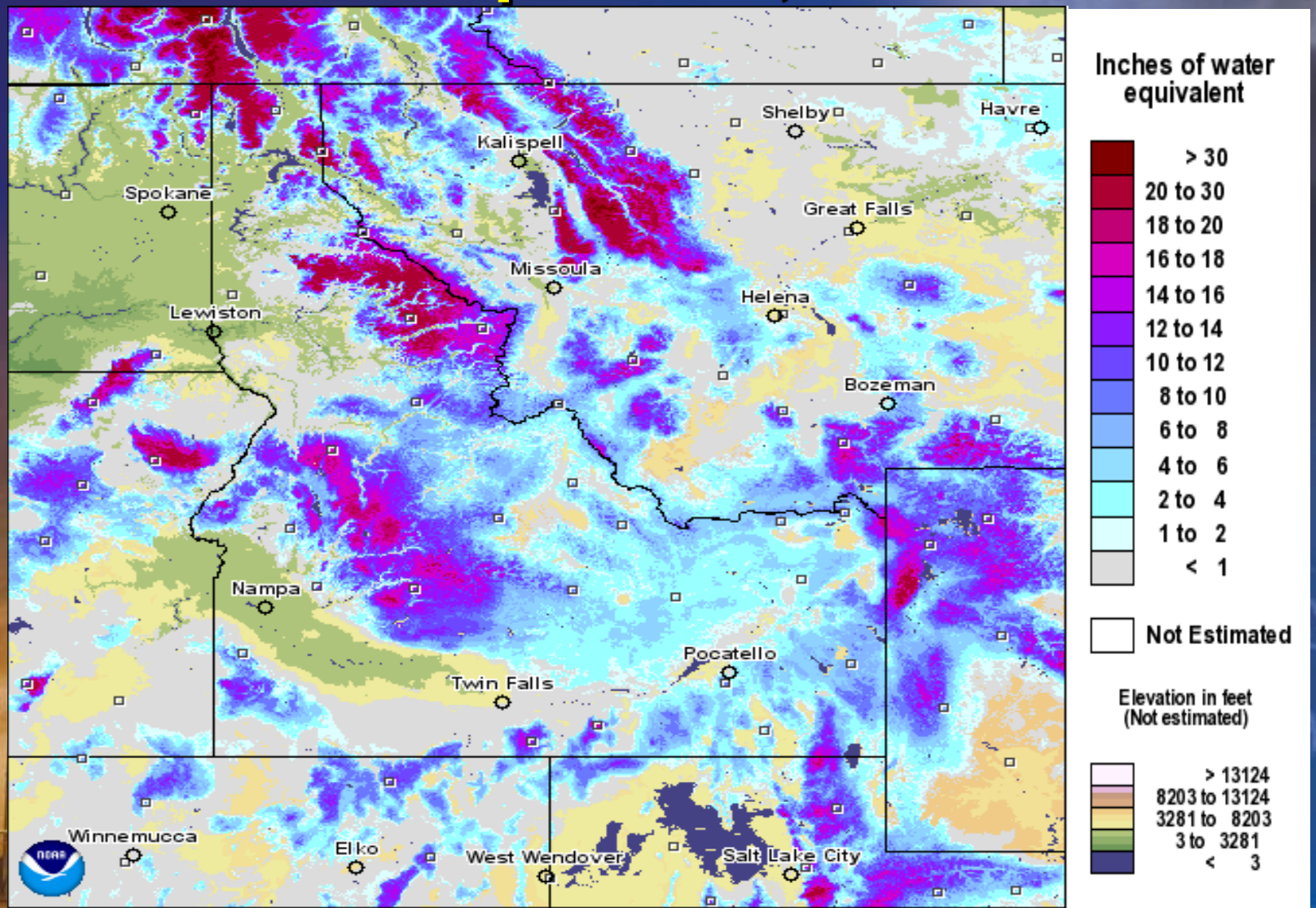
# Snow Water Equivalent
# March 11th, 2011



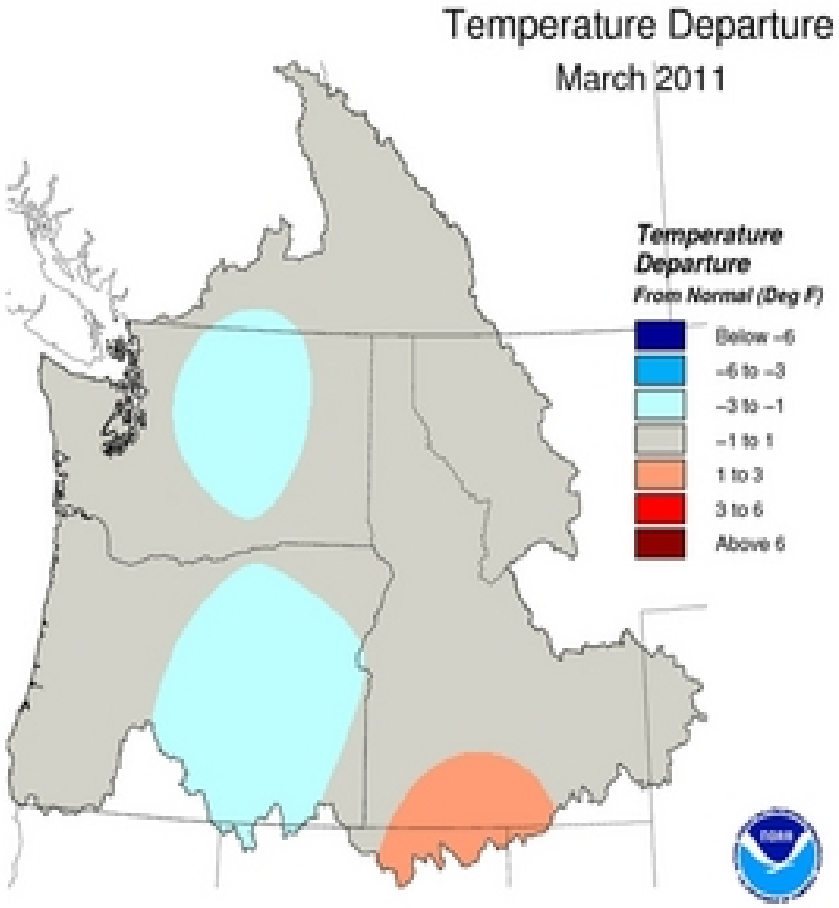
# Snow Water Equivalent
# April 11th, 2011

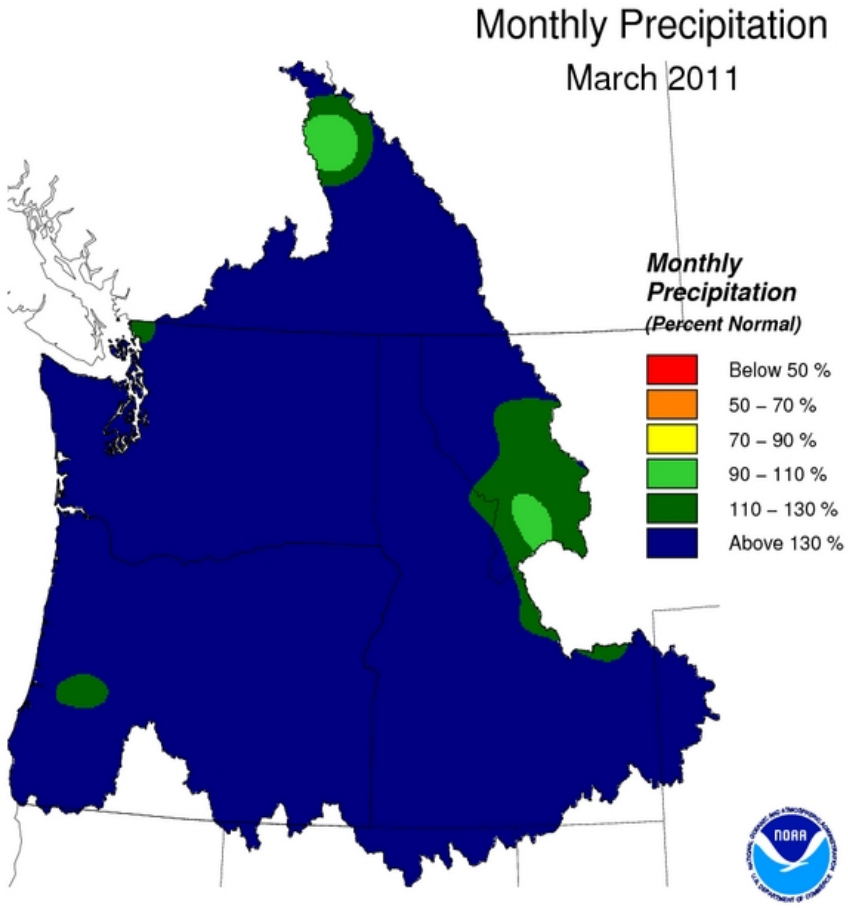


# Snow Water Equivalent
# April 11th, 2010



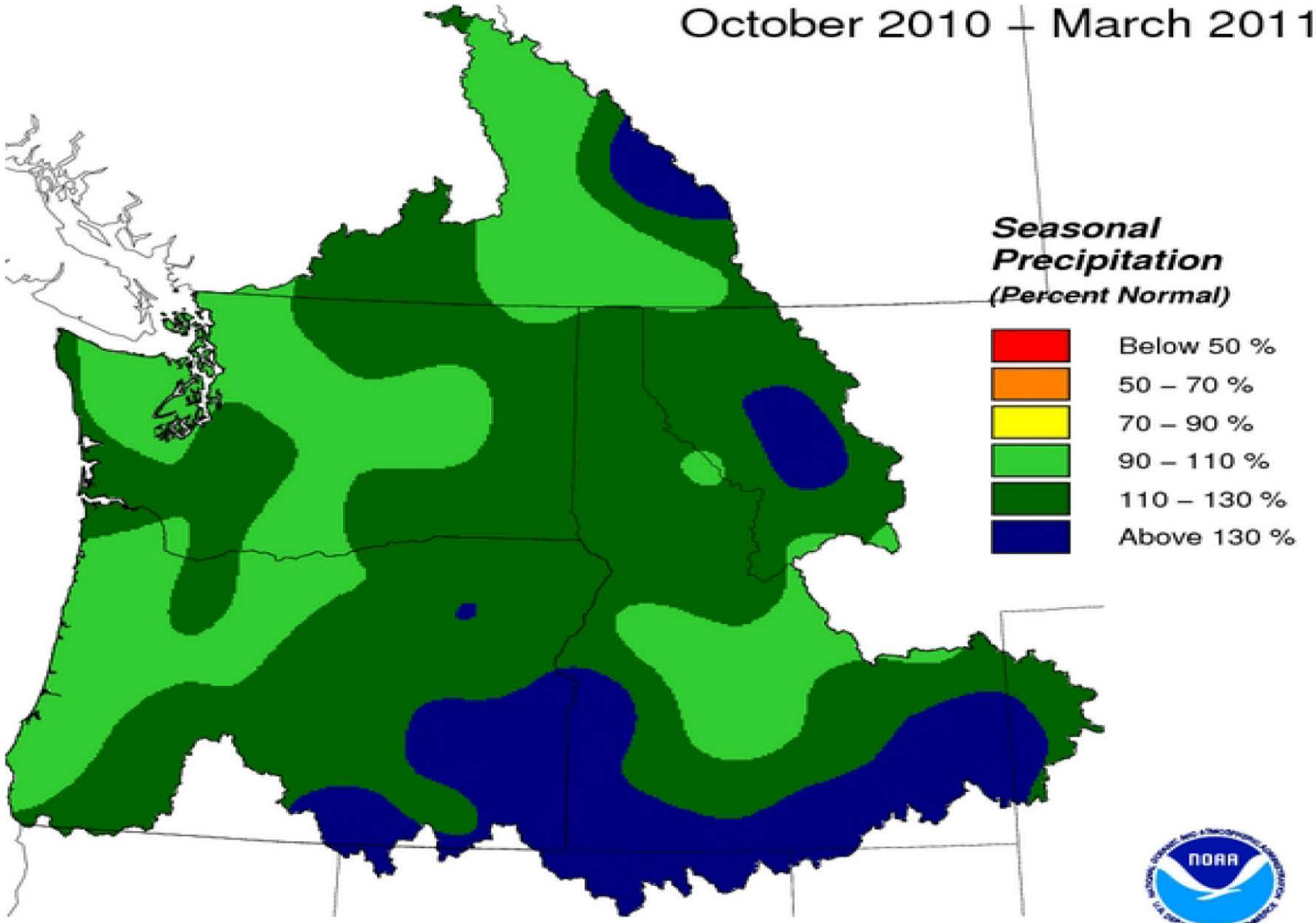
# Temperature and Precipitation Anomalies
# March 2011



# Seasonal Precipitation

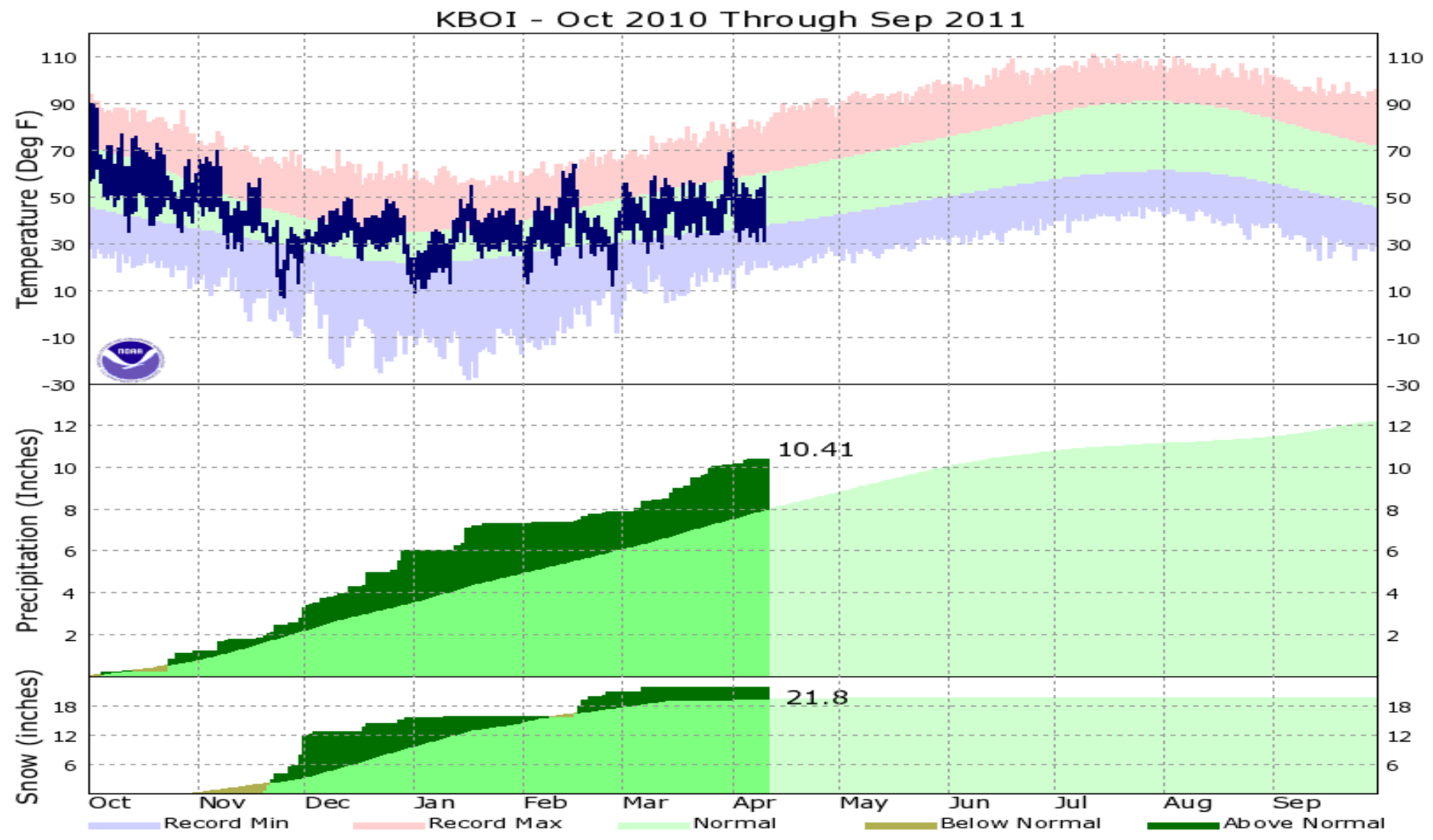
## October 2010 – March 2011



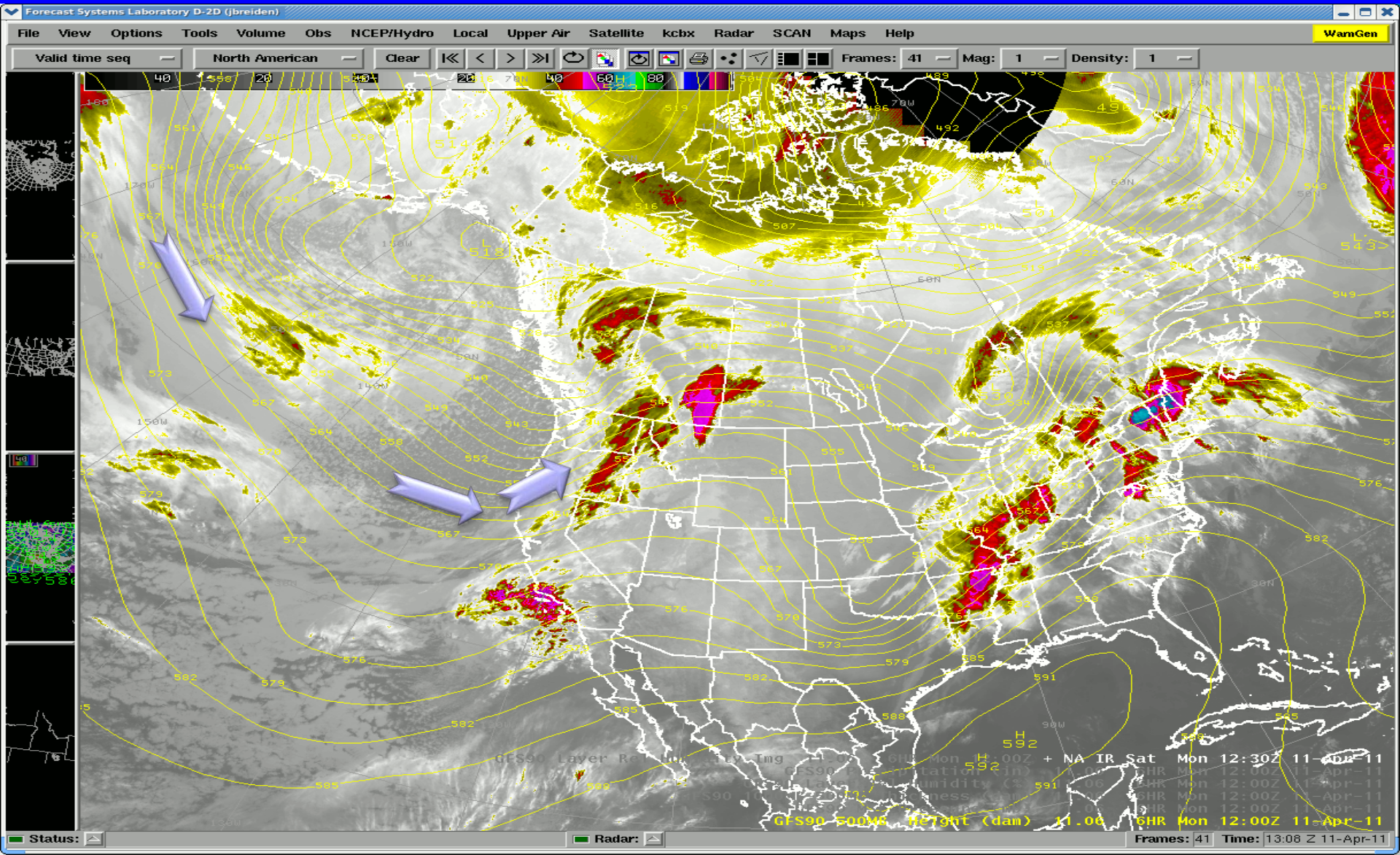

Creation Time: Thu, Apr 7, 2011

Northwest River Forecast Center

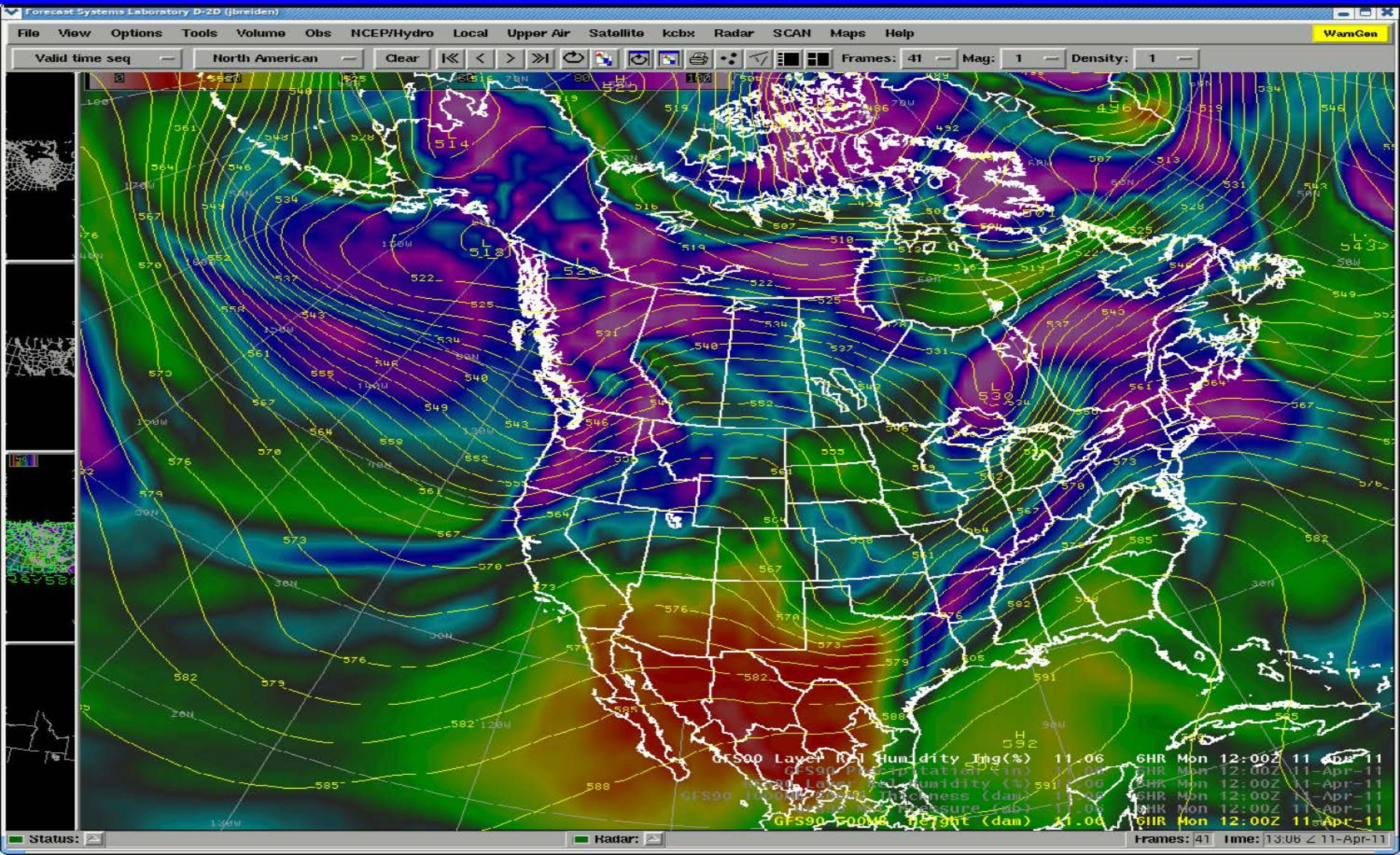
# Temperature and Precipitation at Boise



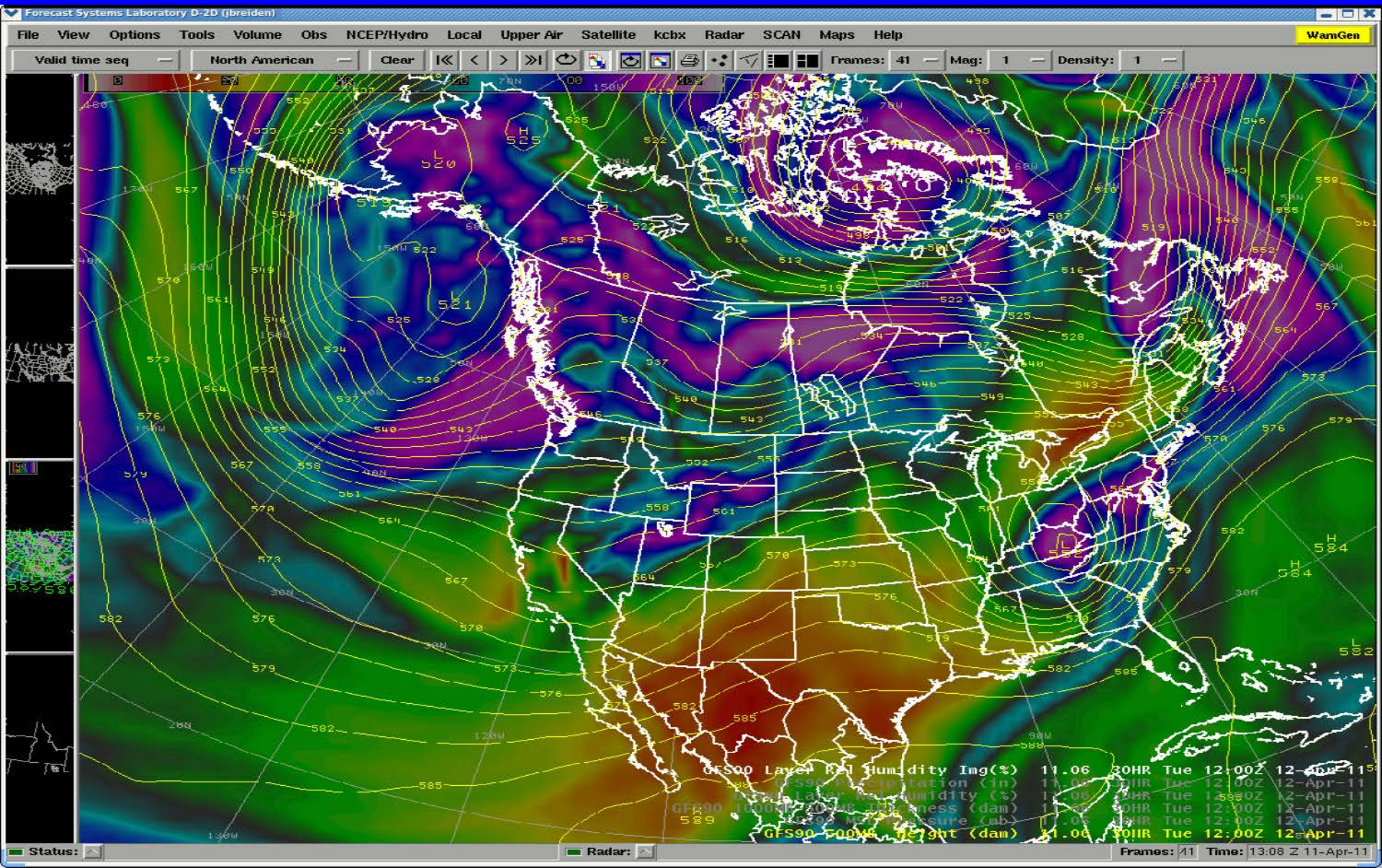
# Monday - Apr 11th
# IR Satellite Imagery / 500 mb heights



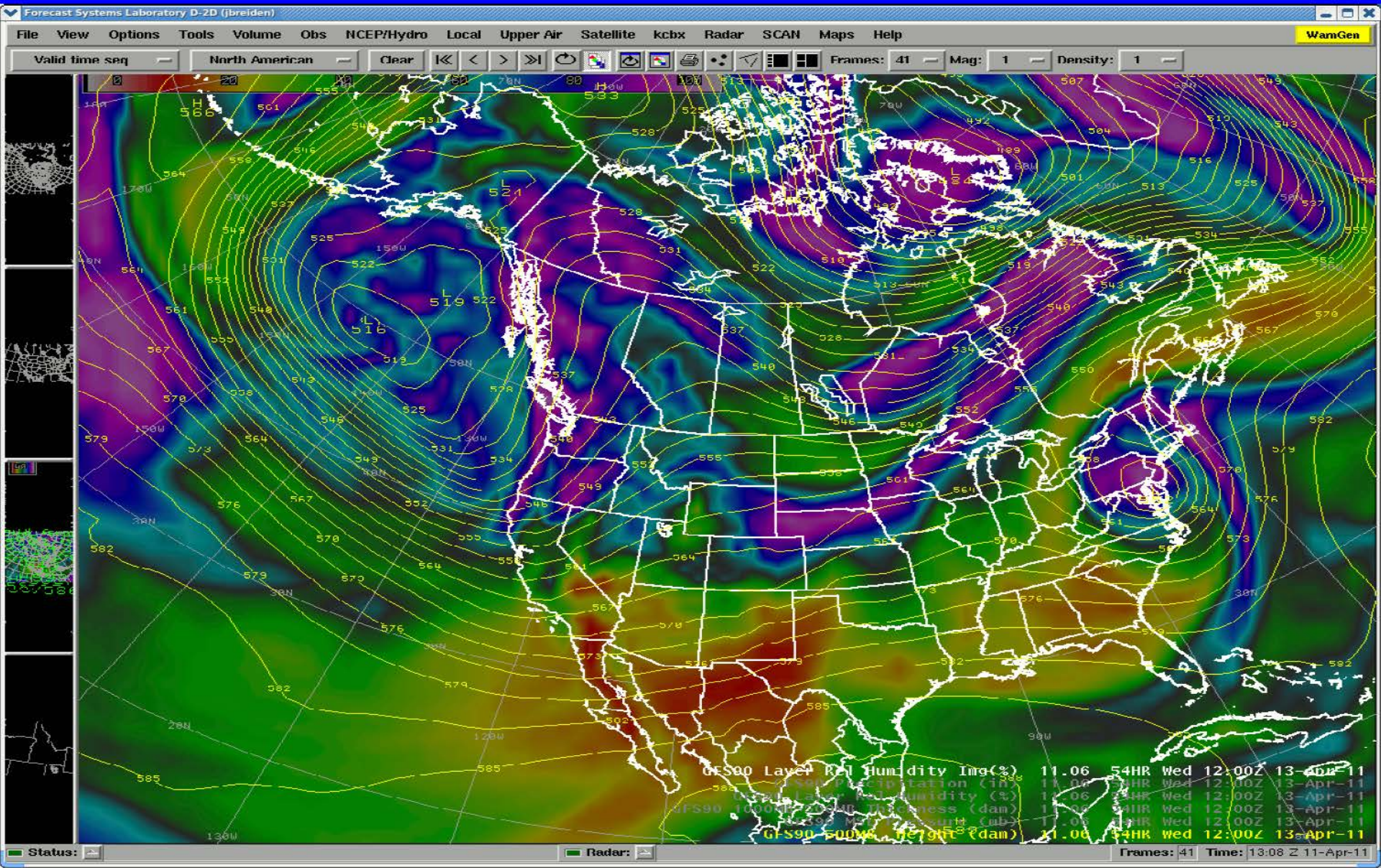
# Monday, Apr 11th (Morning)
# 500 mb heights / model precipitation



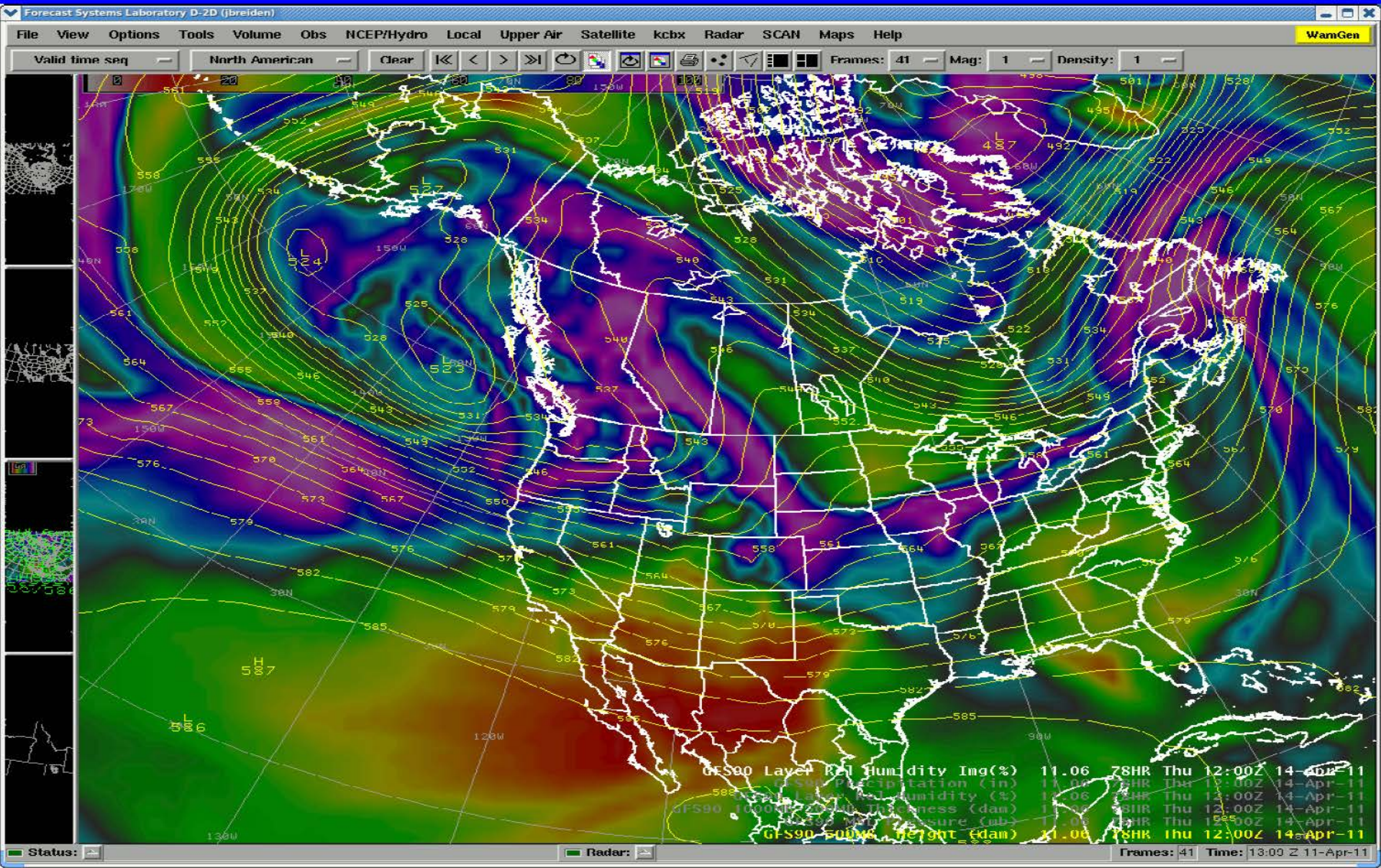
# Tuesday, Apr 12
# 500 mb heights / model precipitation



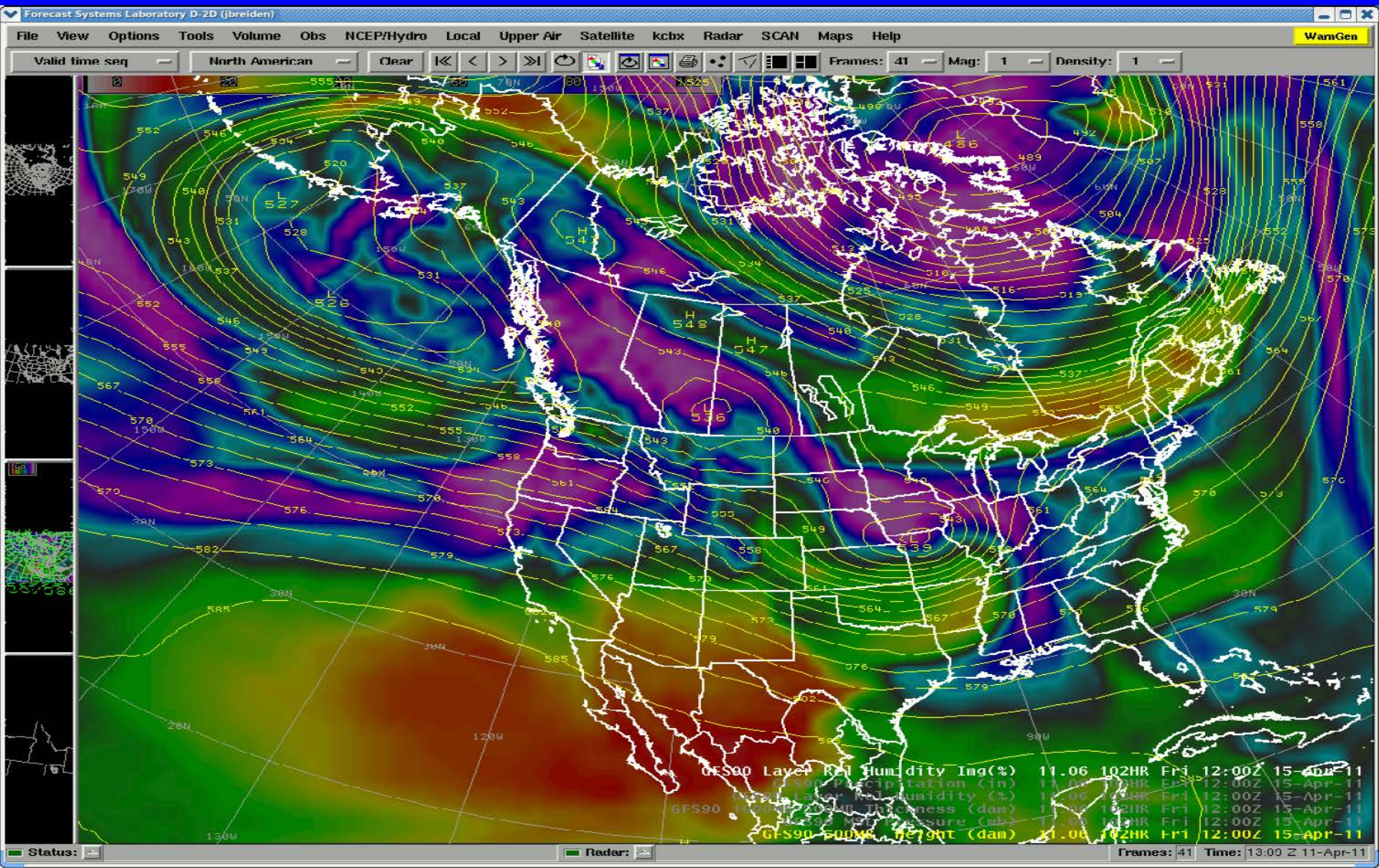
# Wednesday, Apr 13th



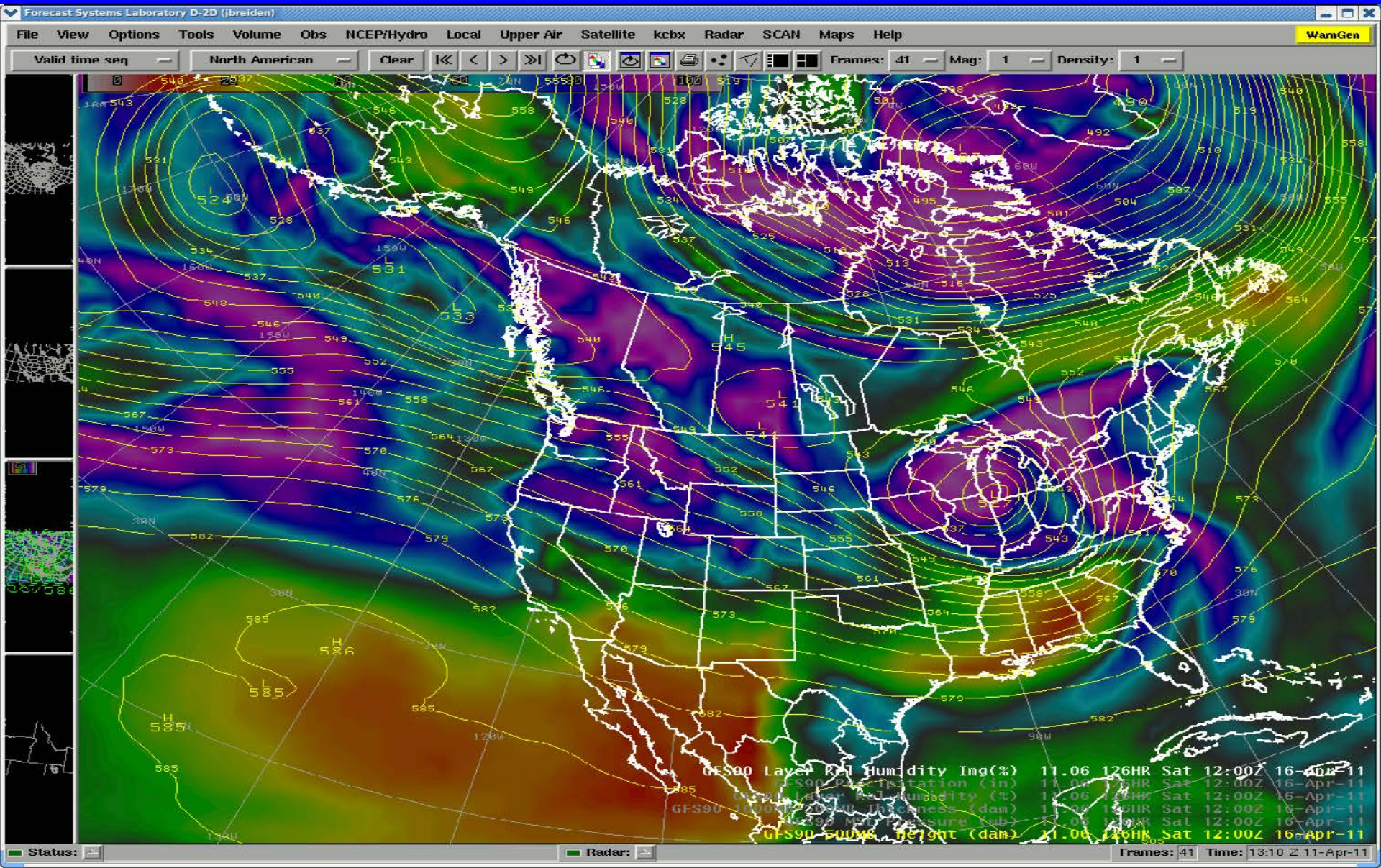
# Thursday, Apr 14th



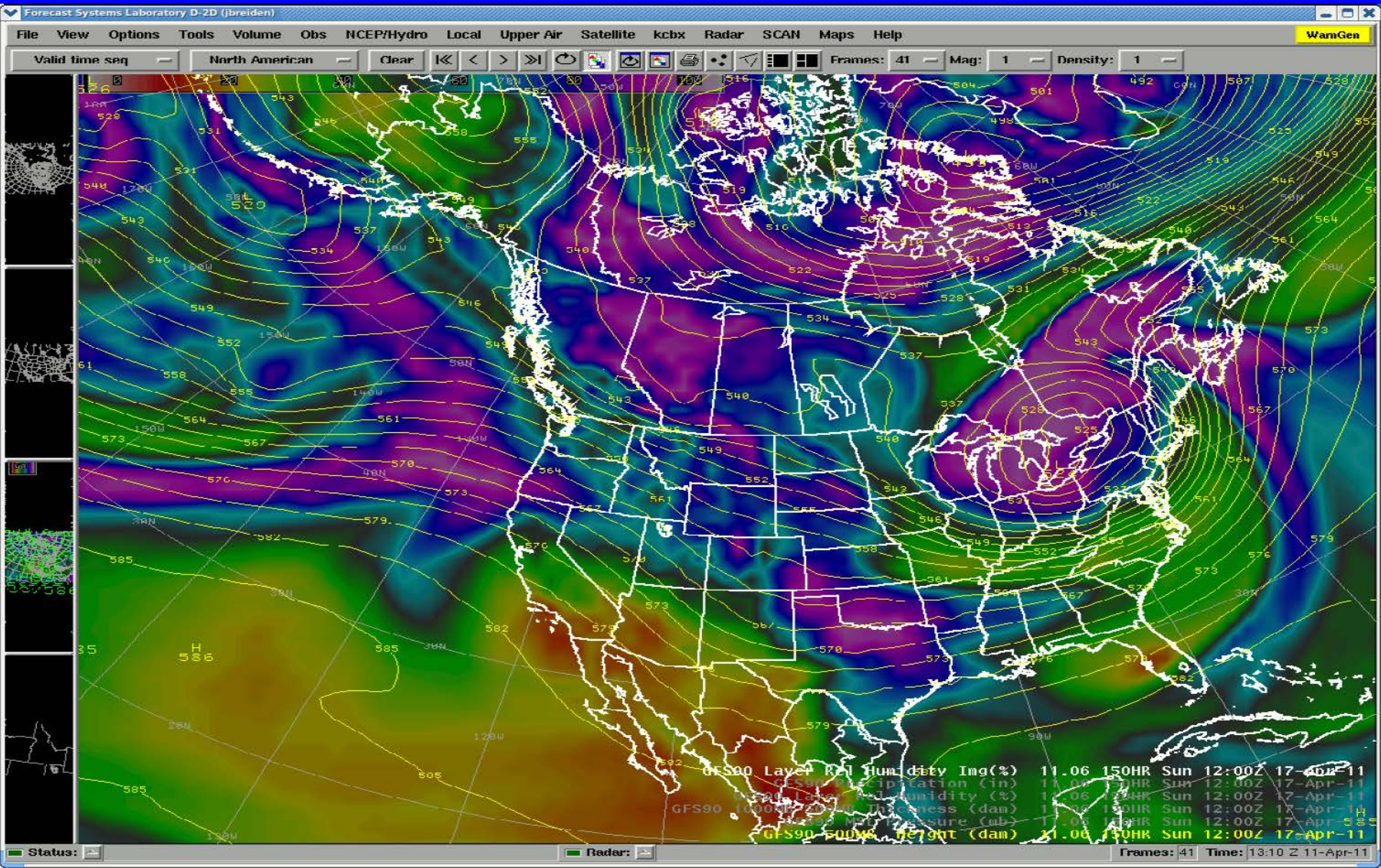
# Friday, Apr 15th



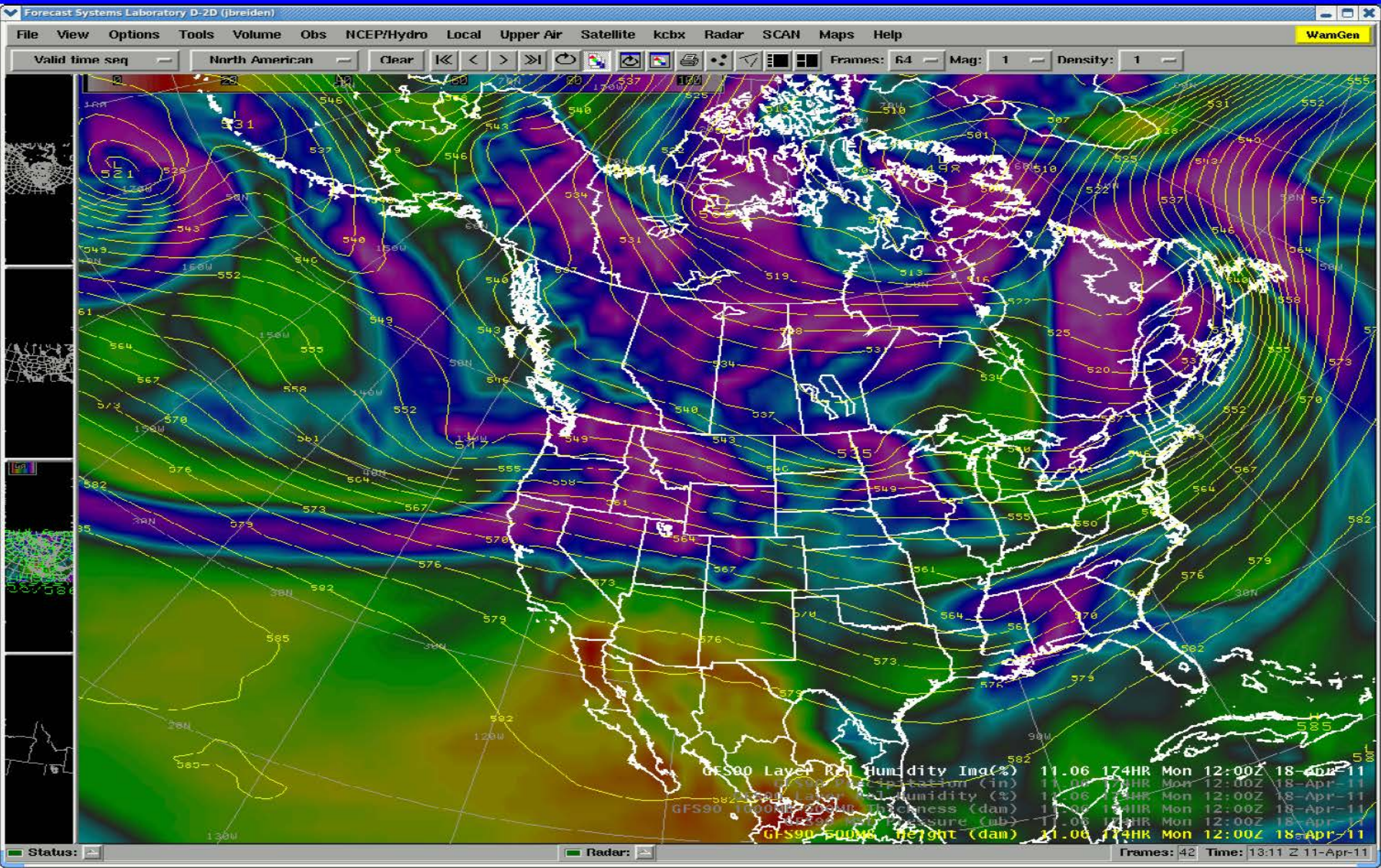
# Saturday, Apr 16th



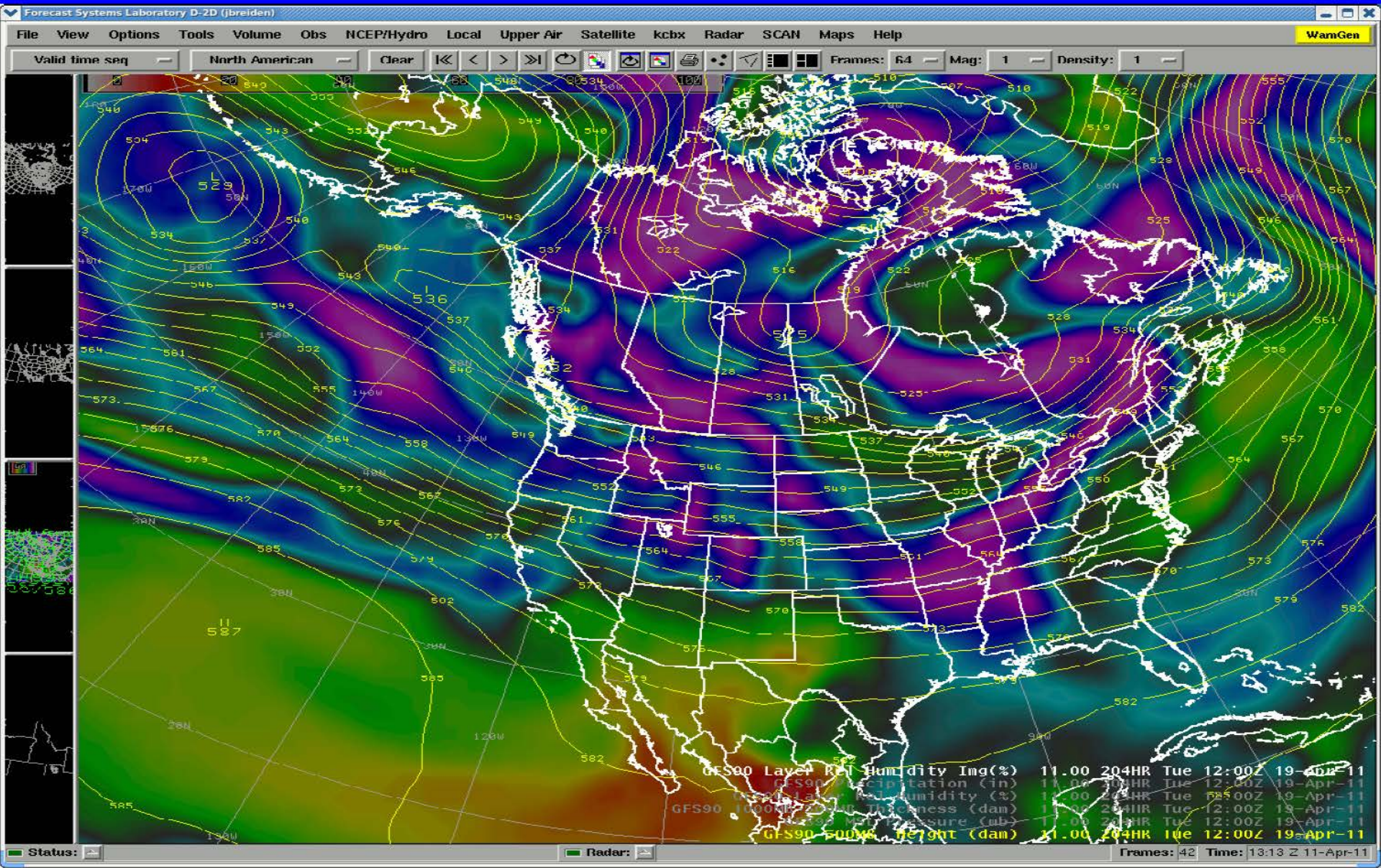
# Sunday, Apr 17th



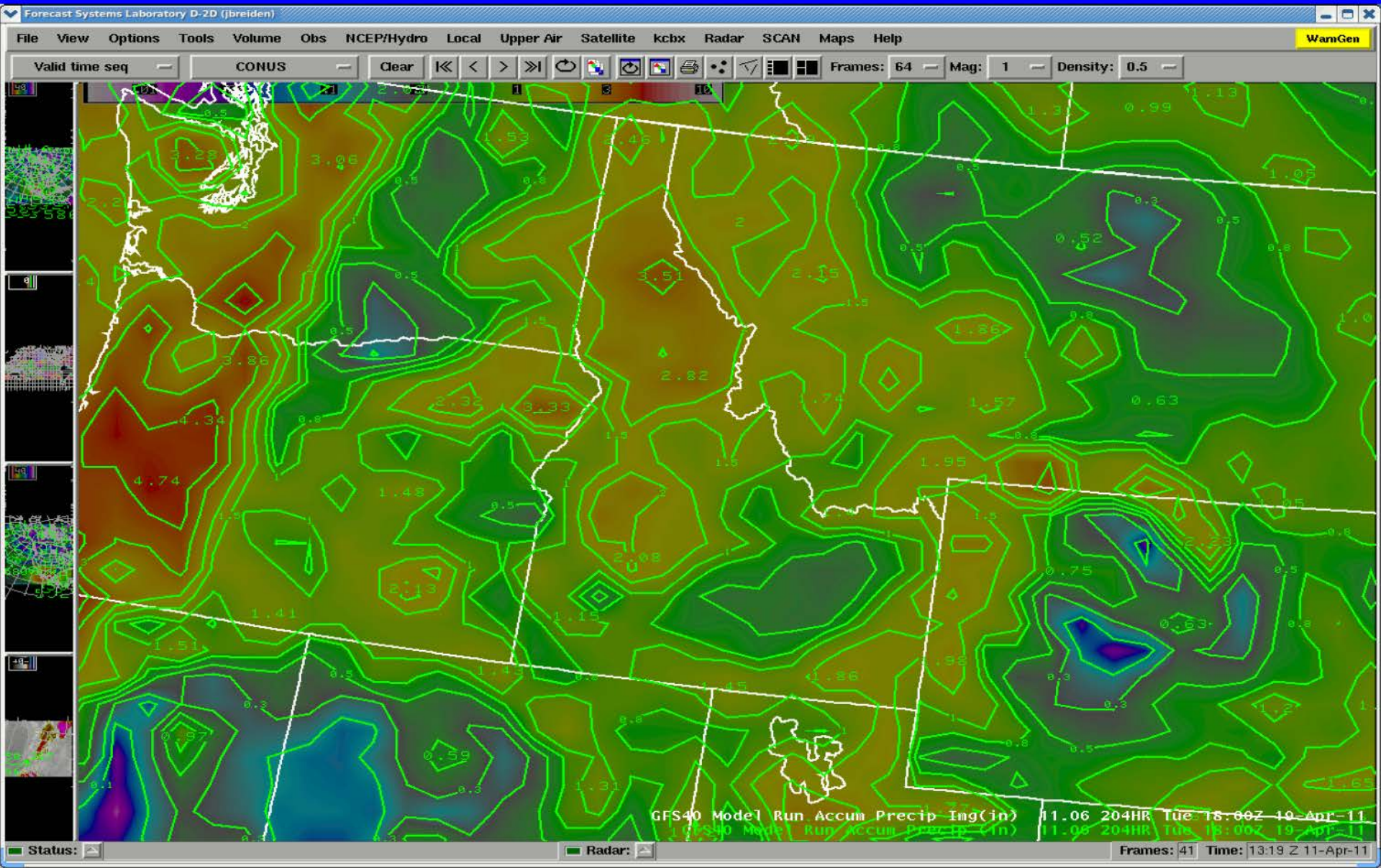
# Monday, Apr 18th



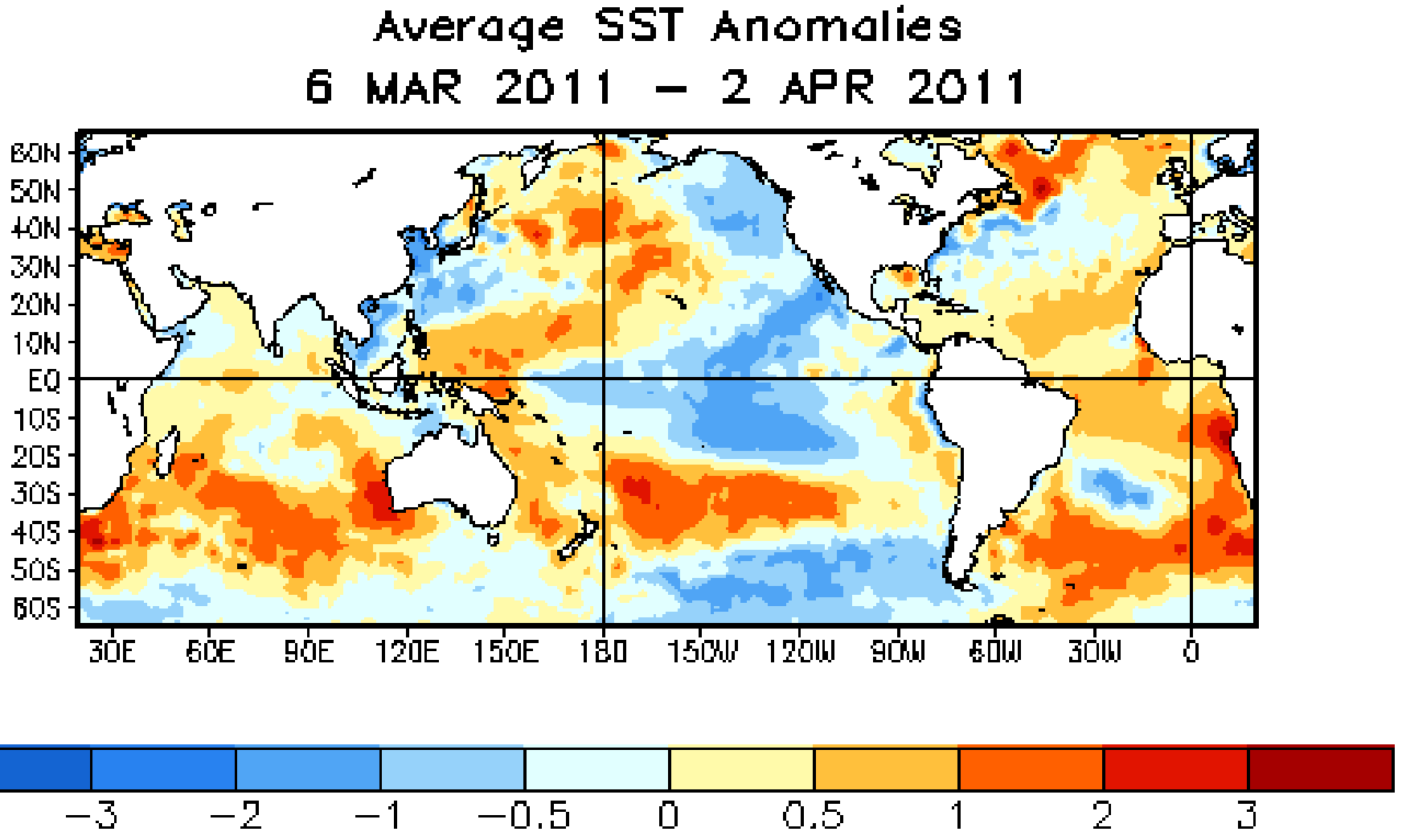
# Tuesday, Apr 19th



# Total Precipitation Ending Thursday, April 19th

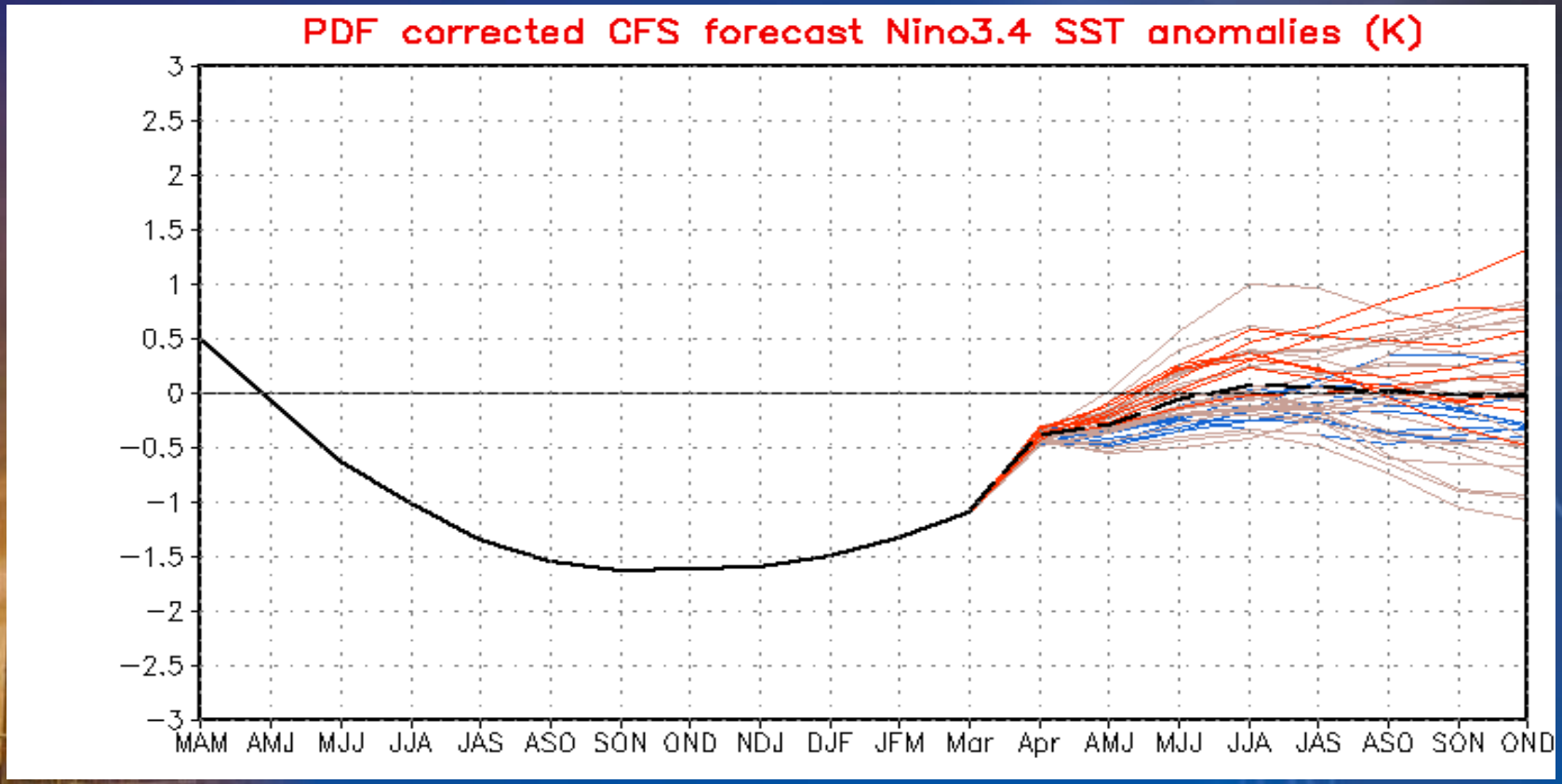


# La-Nina Continues to Weaken



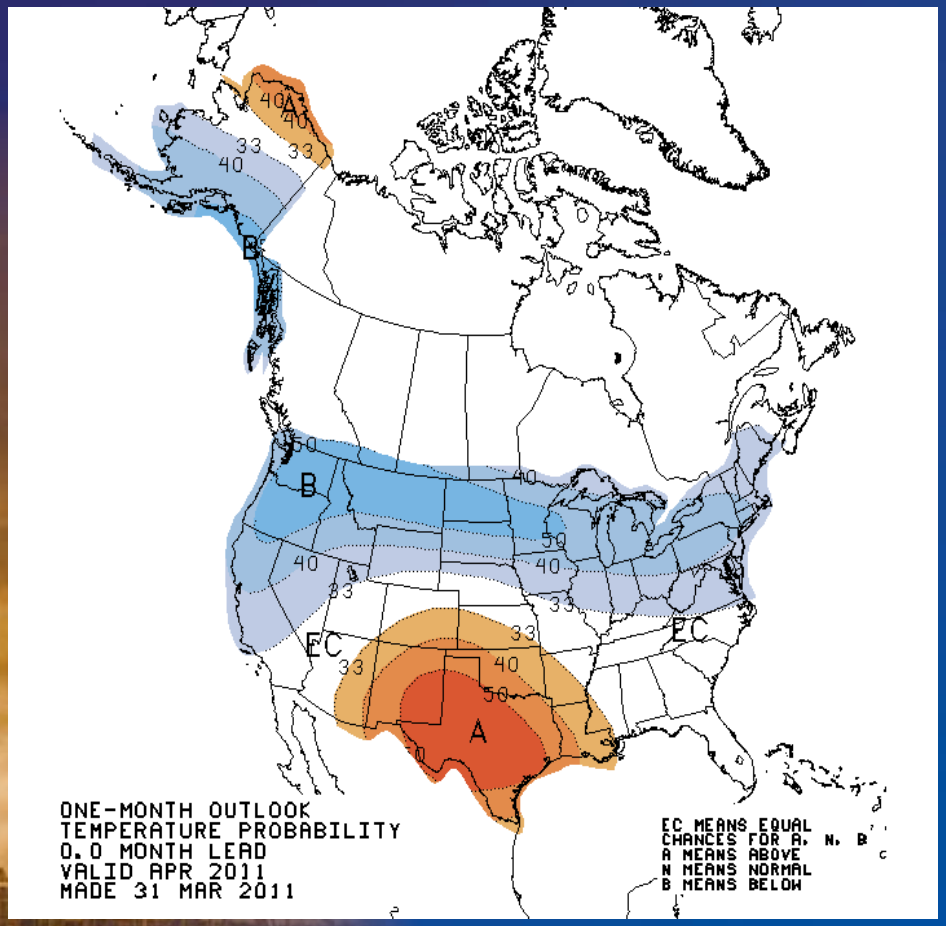
# Equatorial Ocean Temperatures
# Ensemble Forecast Issued 4 April 2011

**Ensemble forecasts predict the a return to near normal sea-surface conditions by early summer 2011.**

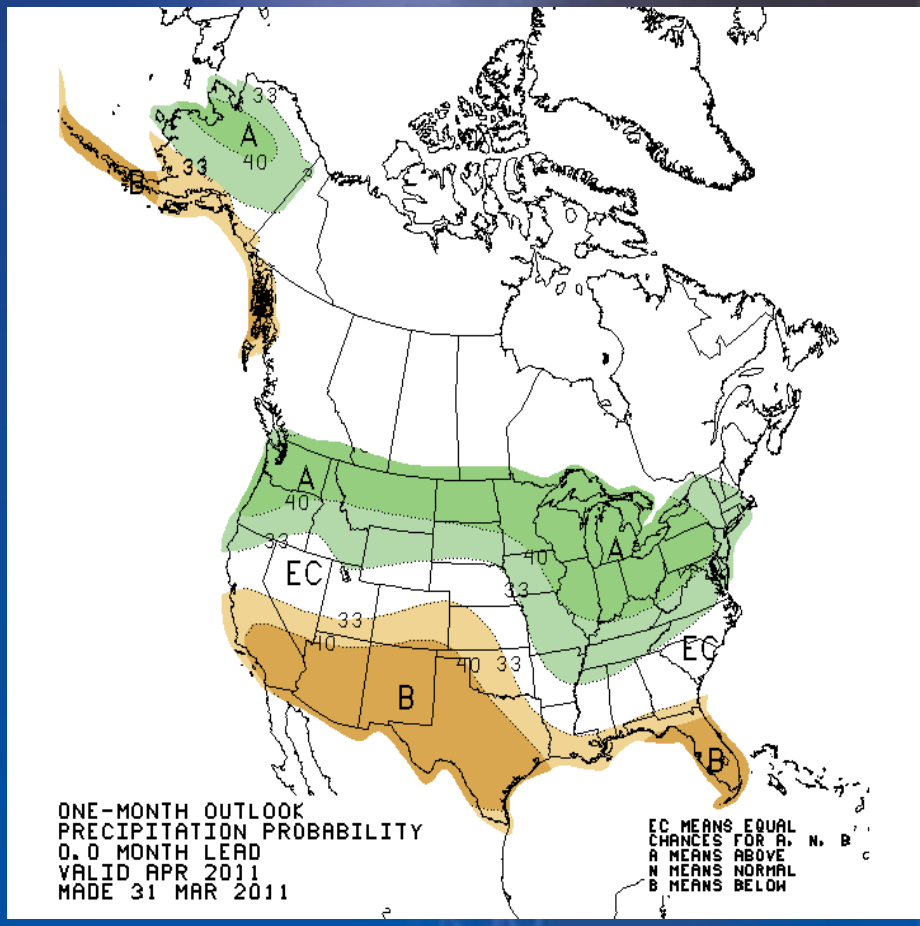


# U. S. Seasonal Outlooks
# April 2011

## Temperature

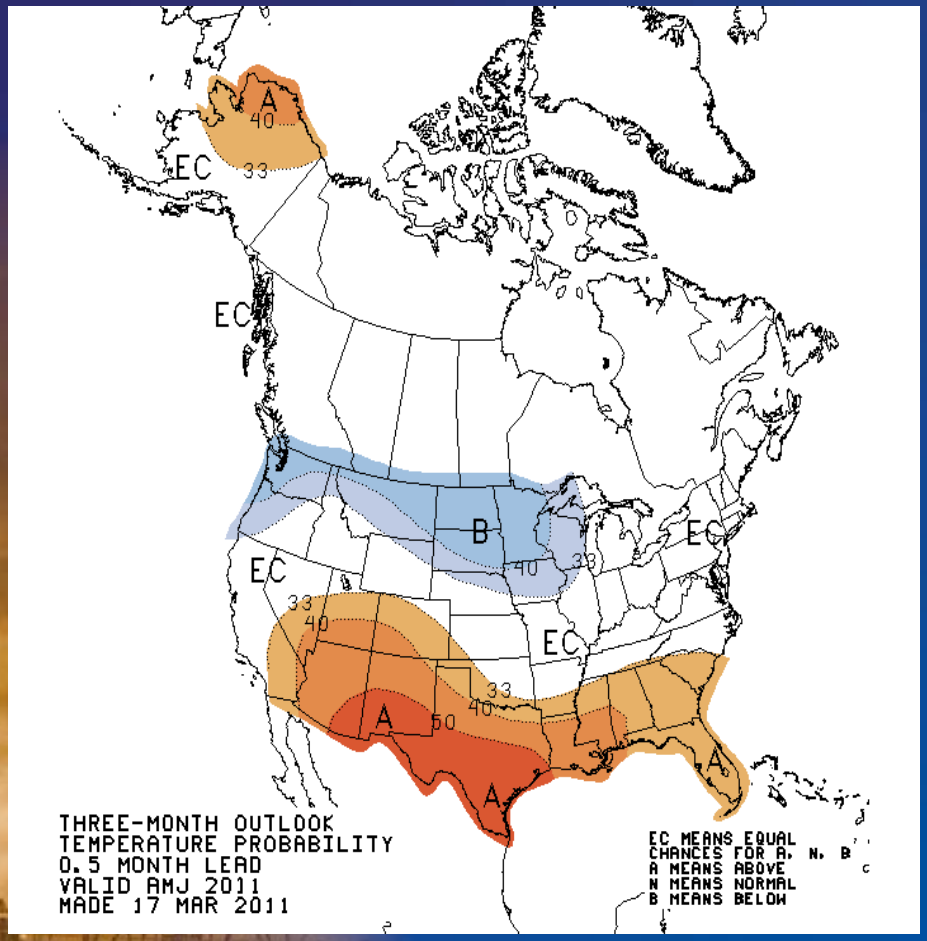



## Precipitation

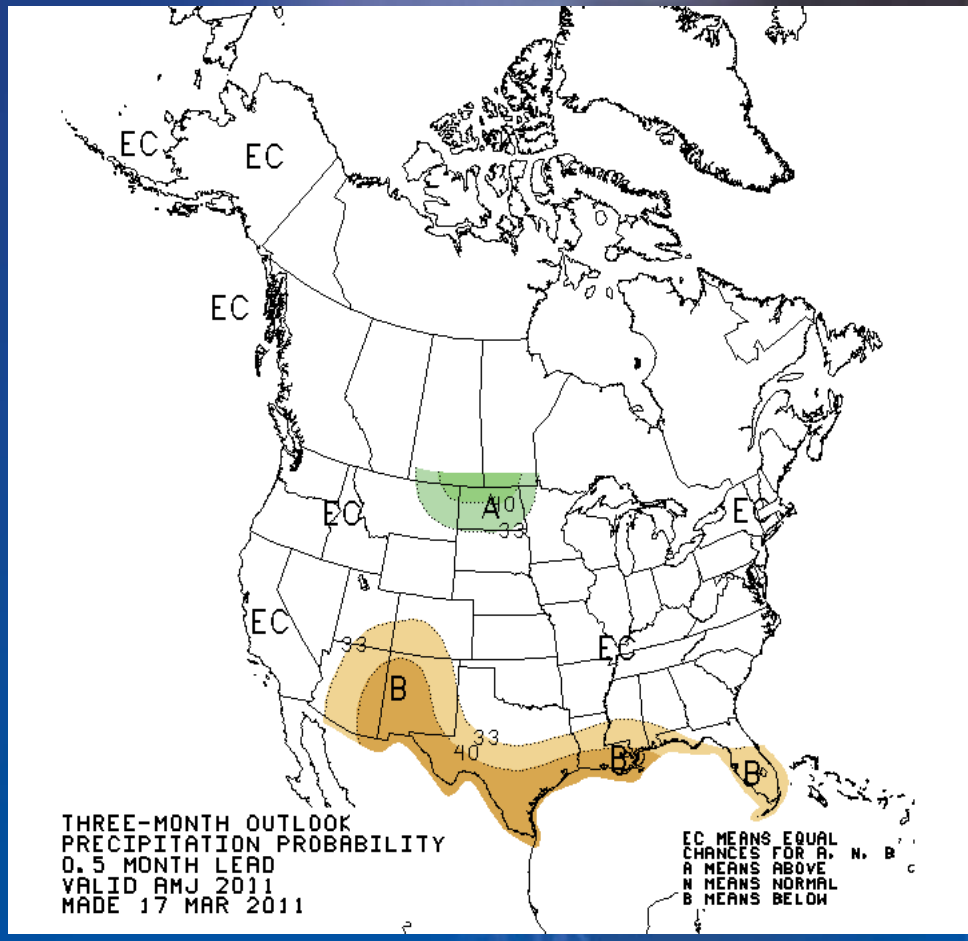


# U. S. Seasonal Outlooks
# April – June 2011

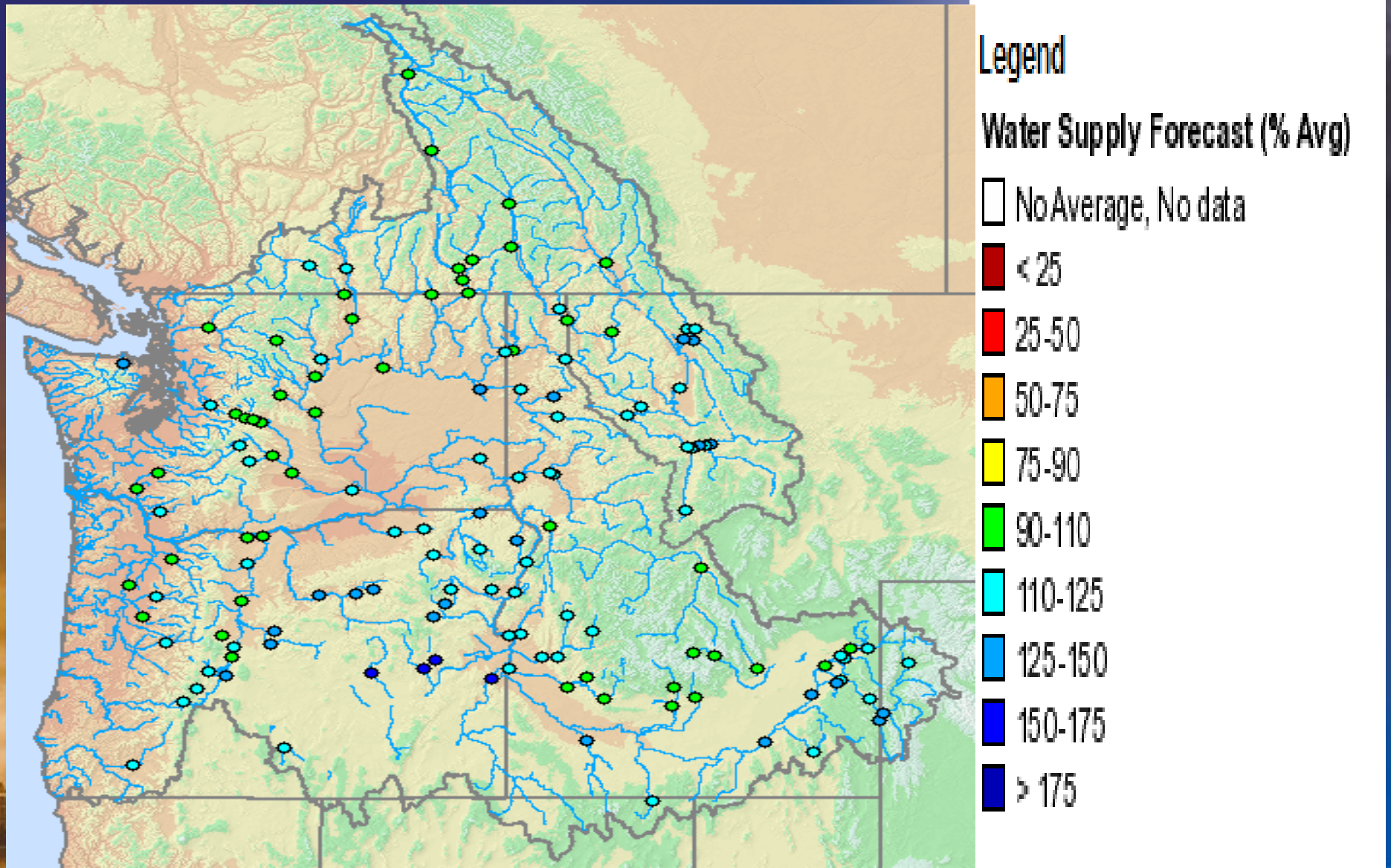
## Temperature



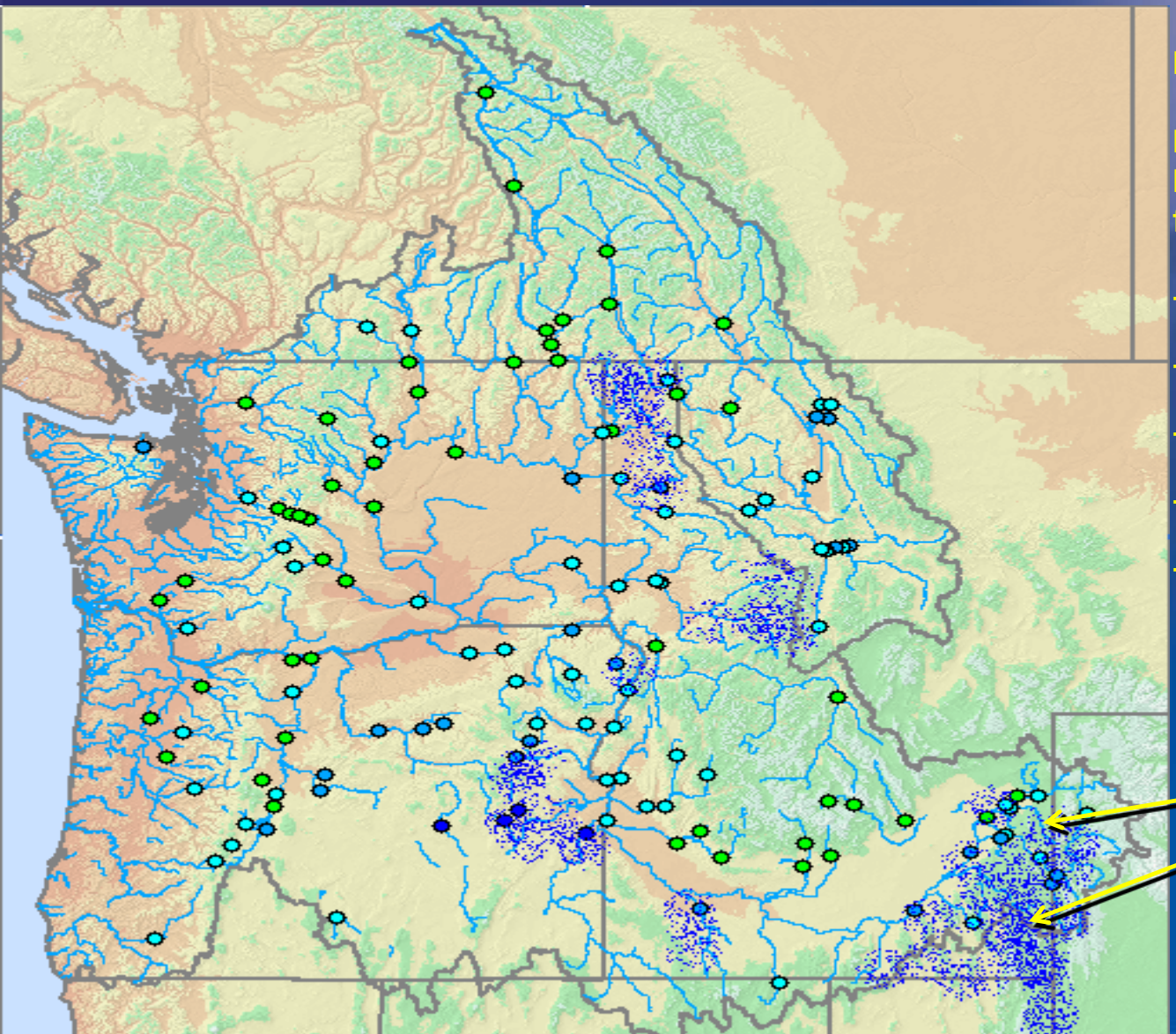

## Precipitation



# Near Normal Water Supply Expected in Most Areas of Idaho in 2011



# Idaho Spring Flood Increasing



**Highlights:**

**Large snow pack and Forecast River Volumes have elevated flood risk in:**

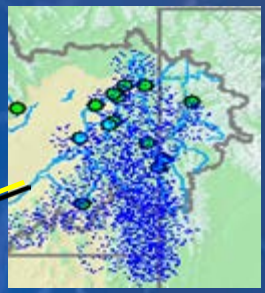
**-Portions of Upper Snake River Basin**

**-Bear River Basin**

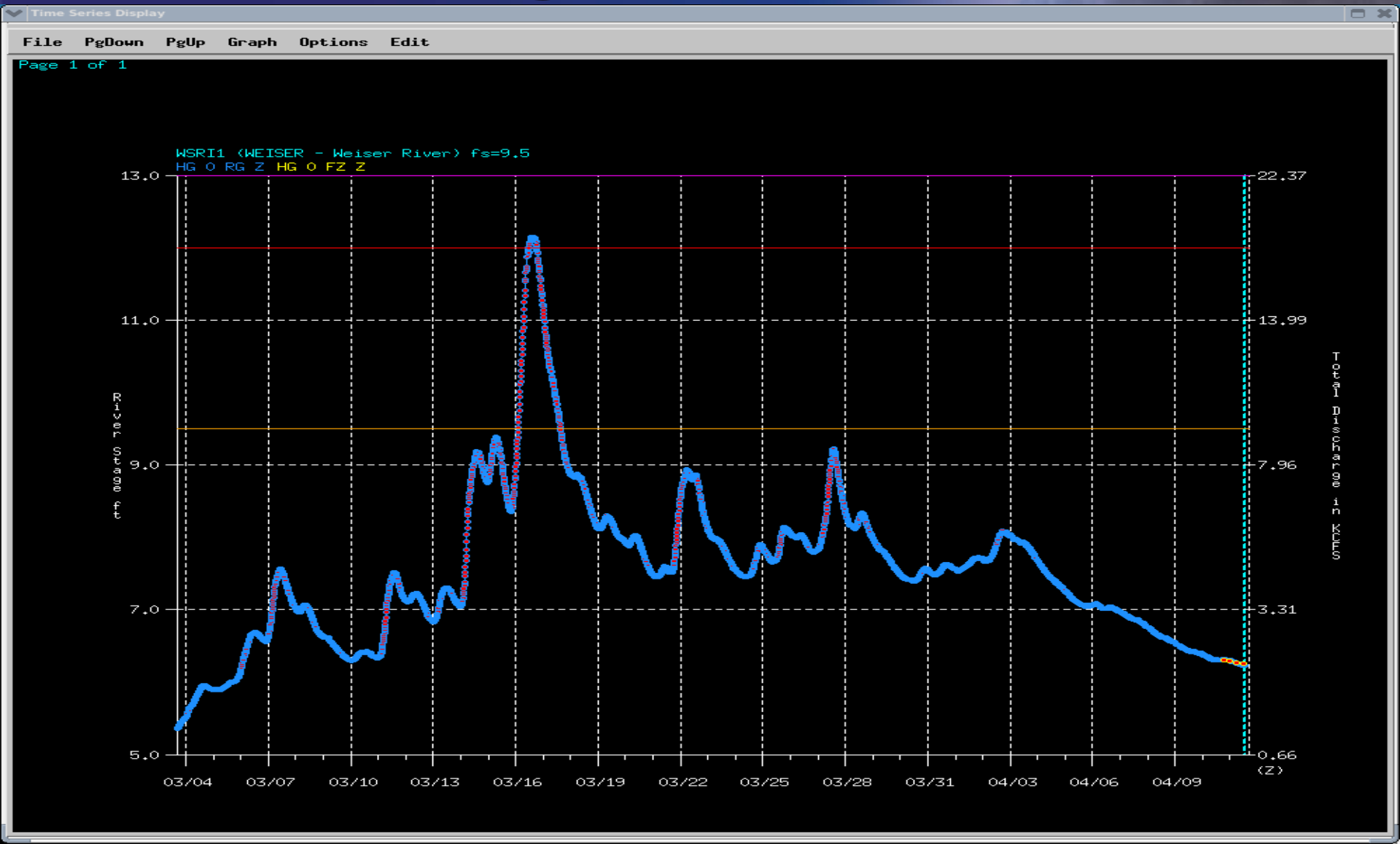
**-Bruneau River**

**-Portions of Idaho Panhandle**

**-Small Stream in upper Clearwater**



# Flooding on Weiser River



# Flooding on Weiser River

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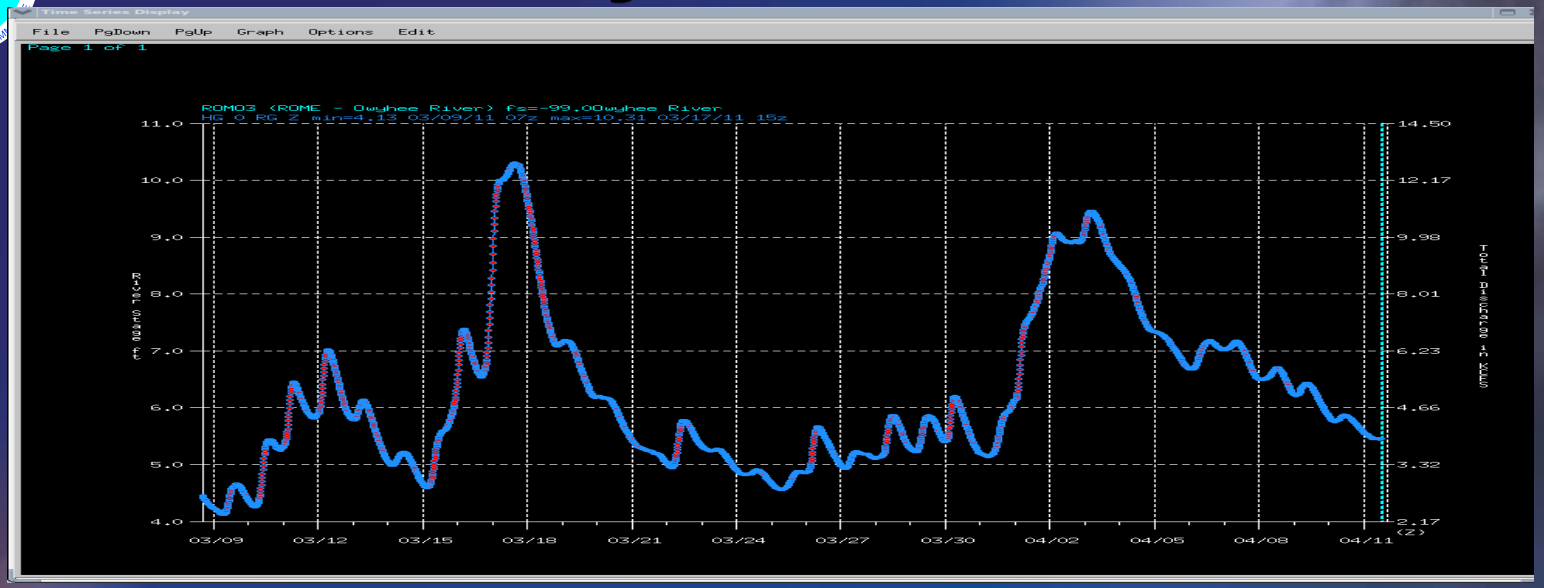
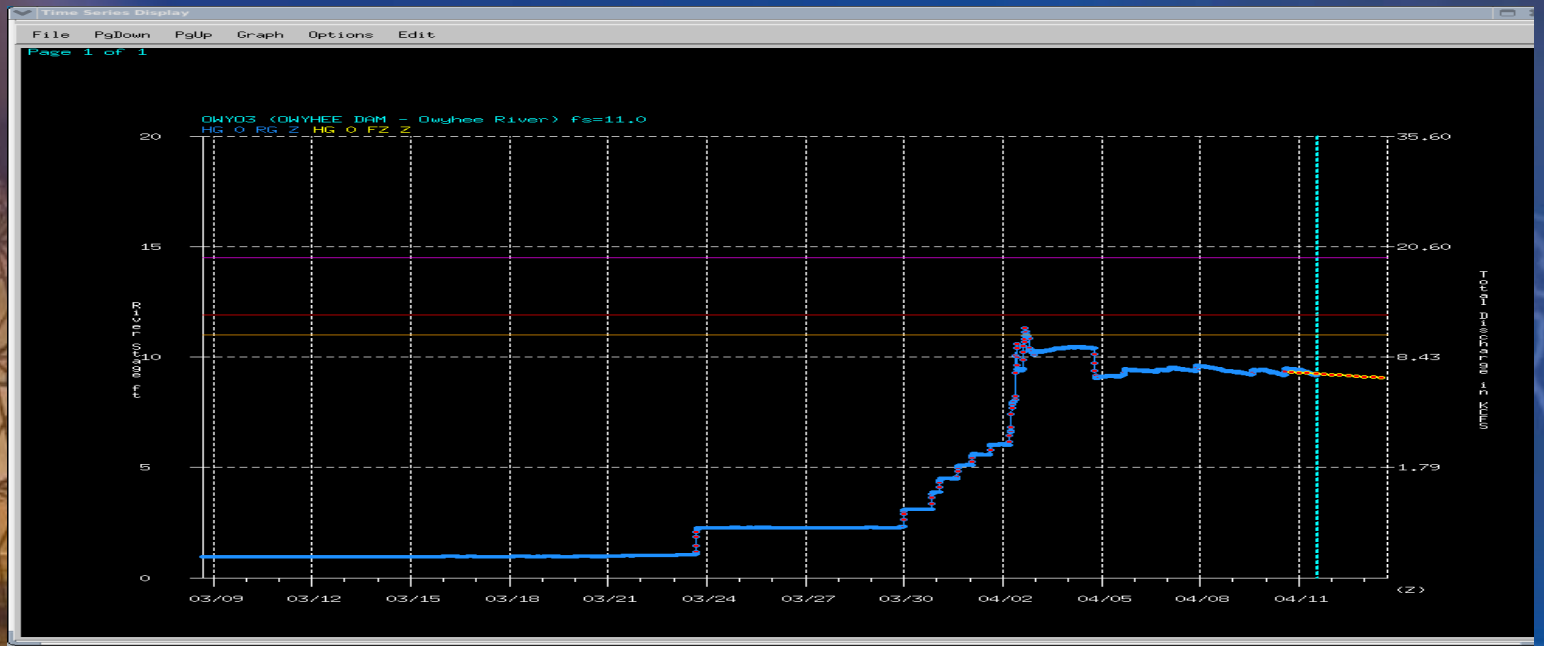
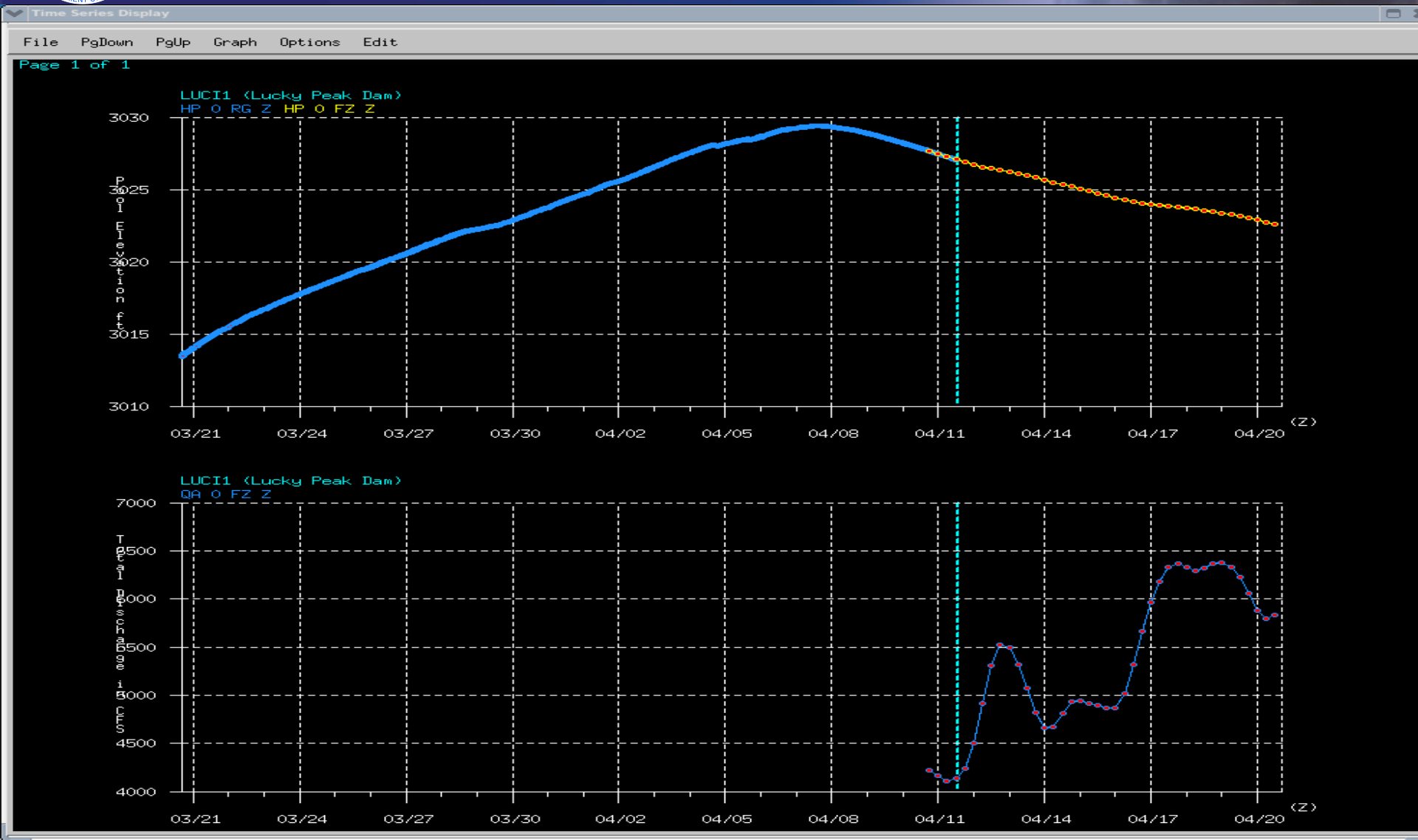
# Owyhee River



# Boise River


Time Series Display
File PgDown PgUp Graph Options Edit
Page 1 of 1
LUCI1 (Lucky Peak Dam)
HP O RG Z HP O FZ Z
Pool Elevation ft
3030
3025
3020
3015
3010
03/21 03/24 03/27 03/30 04/02 04/05 04/08 04/11 04/14 04/17 04/20
(Z)
LUCI1 (Lucky Peak Dam)
QA O FZ Z
Total Discharge in CFS
7000
6500
6000
5500
5000
4500
4000
03/21 03/24 03/27 03/30 04/02 04/05 04/08 04/11 04/14 04/17 04/20
(Z)

# Current Information on Web

www.weather.gov/boise

www.nwrfc.noaa.gov