

Idaho Weather, Climate and Water Supply Outlook

IDWR Briefing, Feb 14th 2011

Jay Breidenbach, NOAA National Weather Service

January Thaw

Temperature and Precipitation Anomalies

Forecast for next 10 days – return to stormy pattern

La-Nina Status

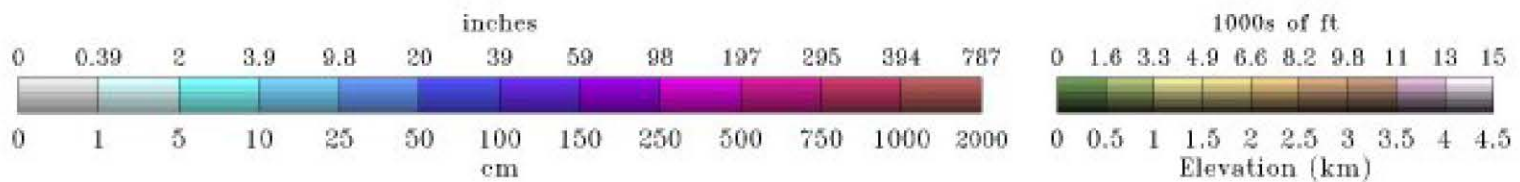
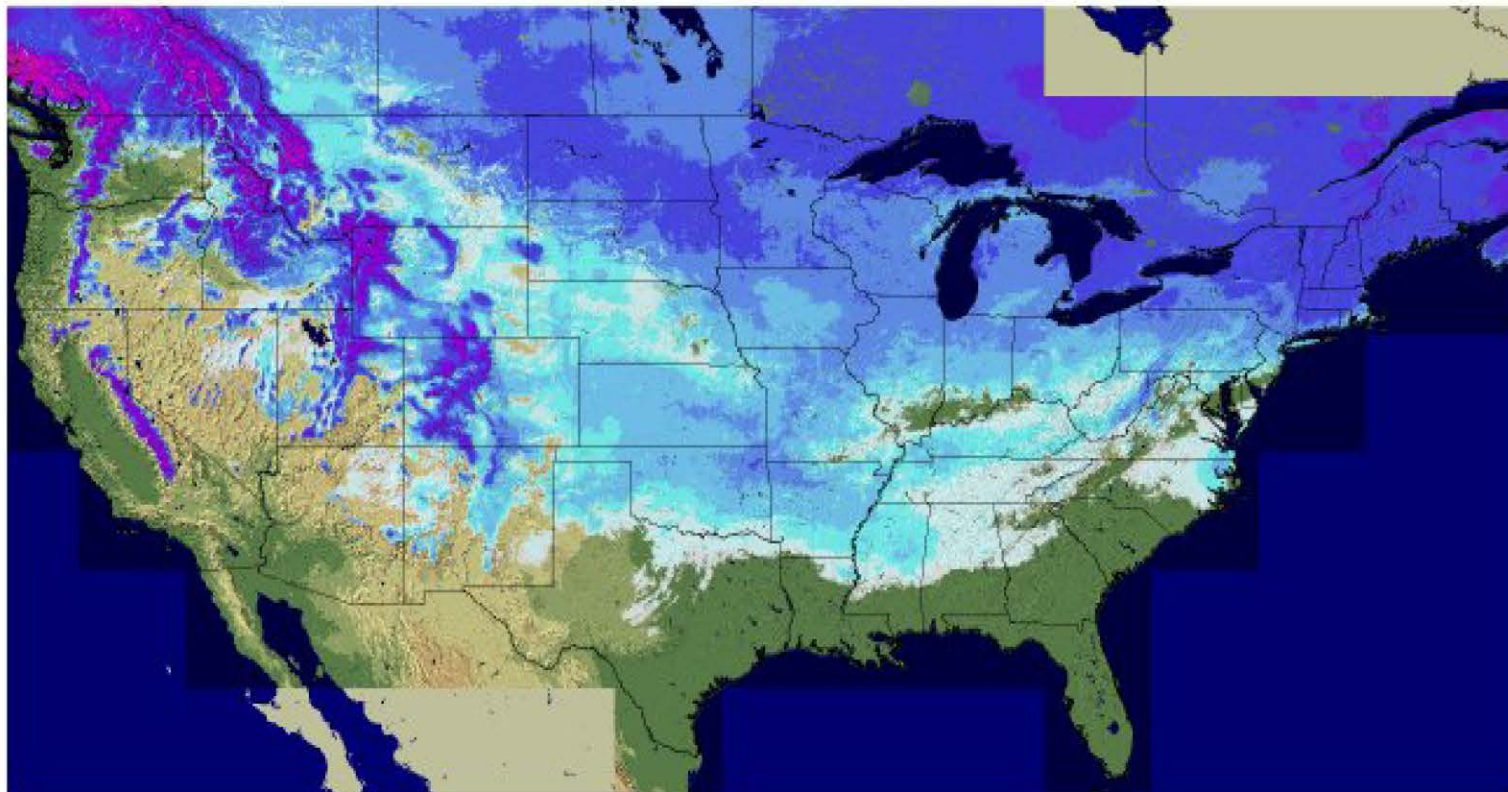
Three Month Climate Outlook

Water Supply Numbers and Drought Summary

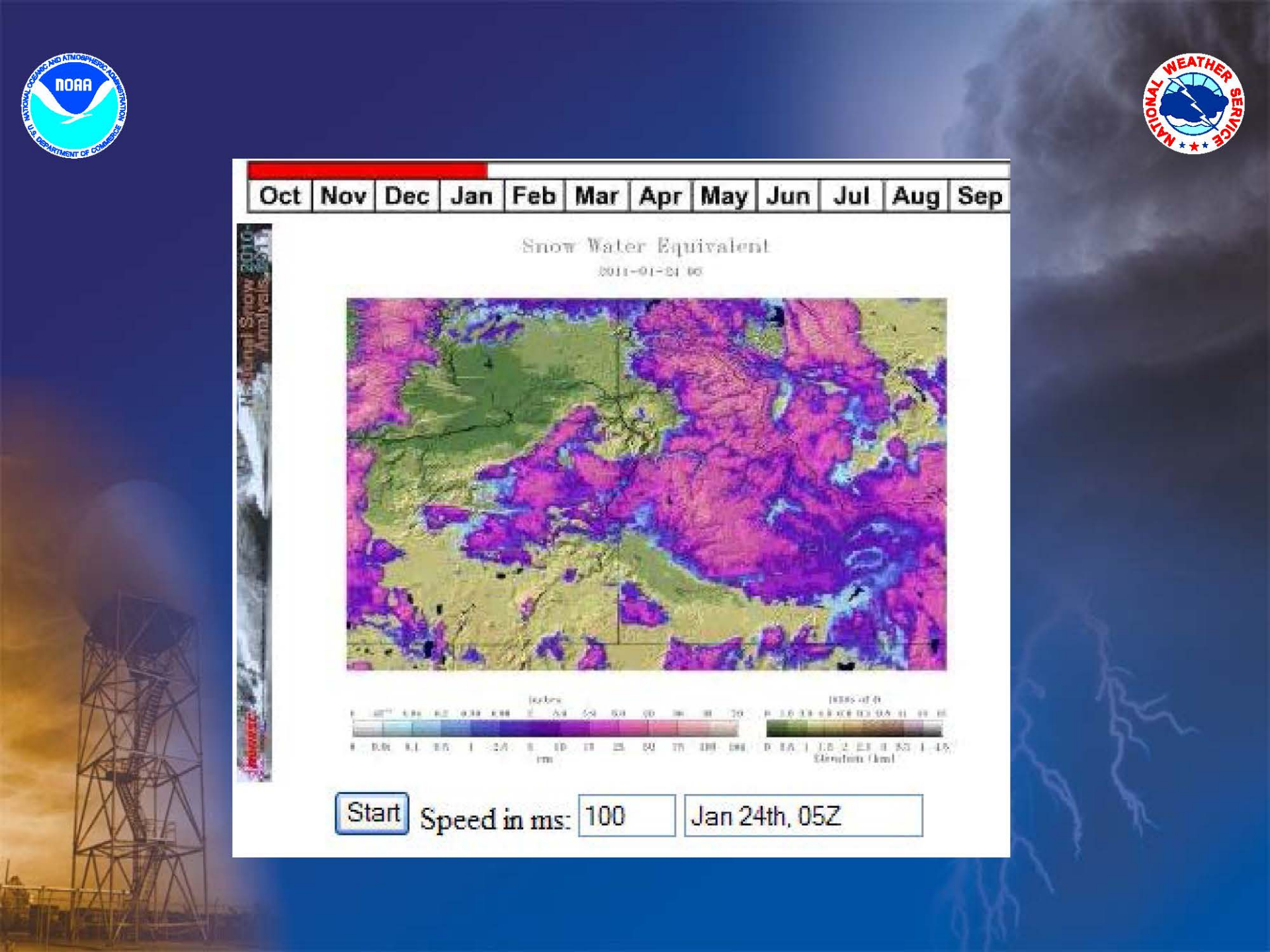
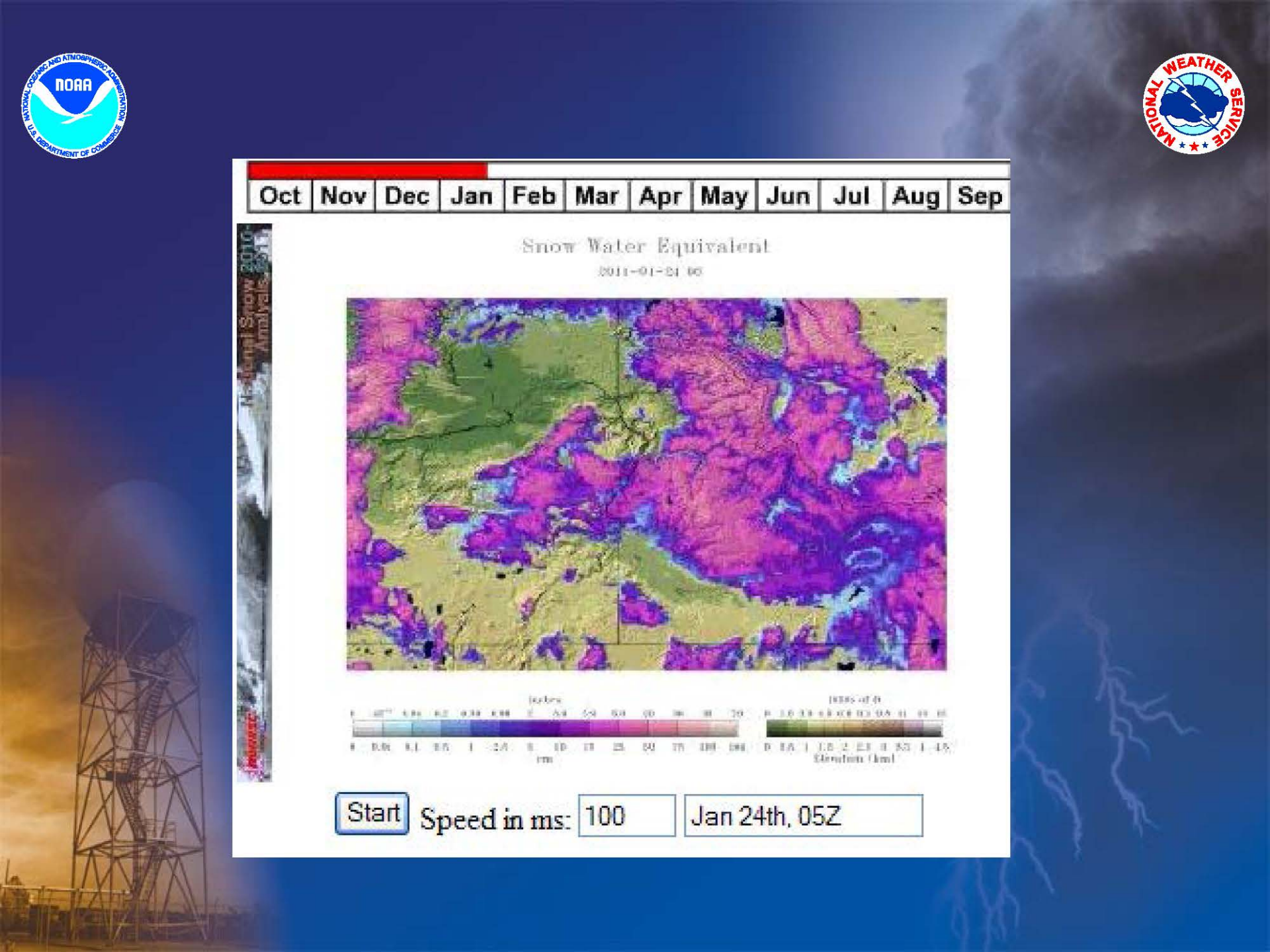


Snow Depth

2011-02-11 06



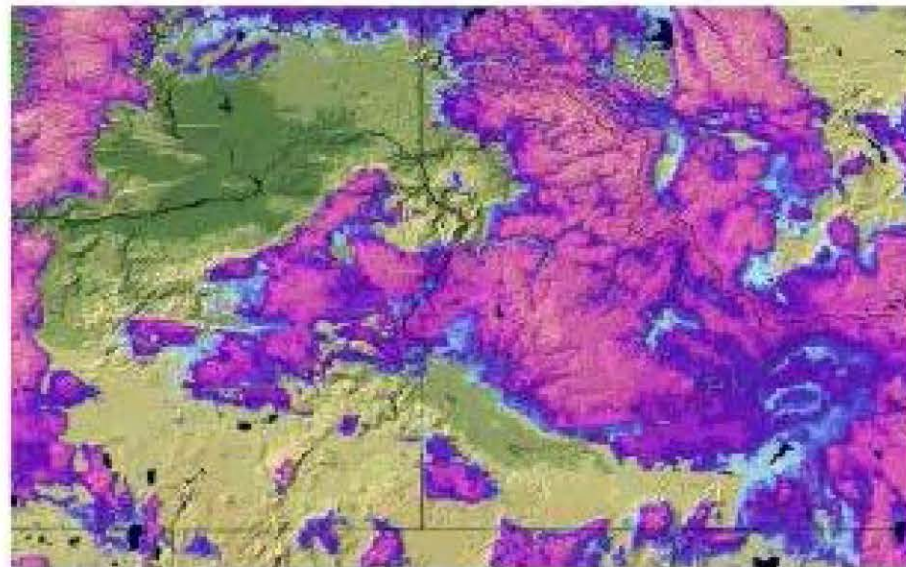




Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
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Snow Water Equivalent

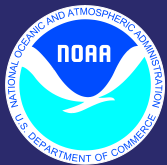
2011-01-24 00



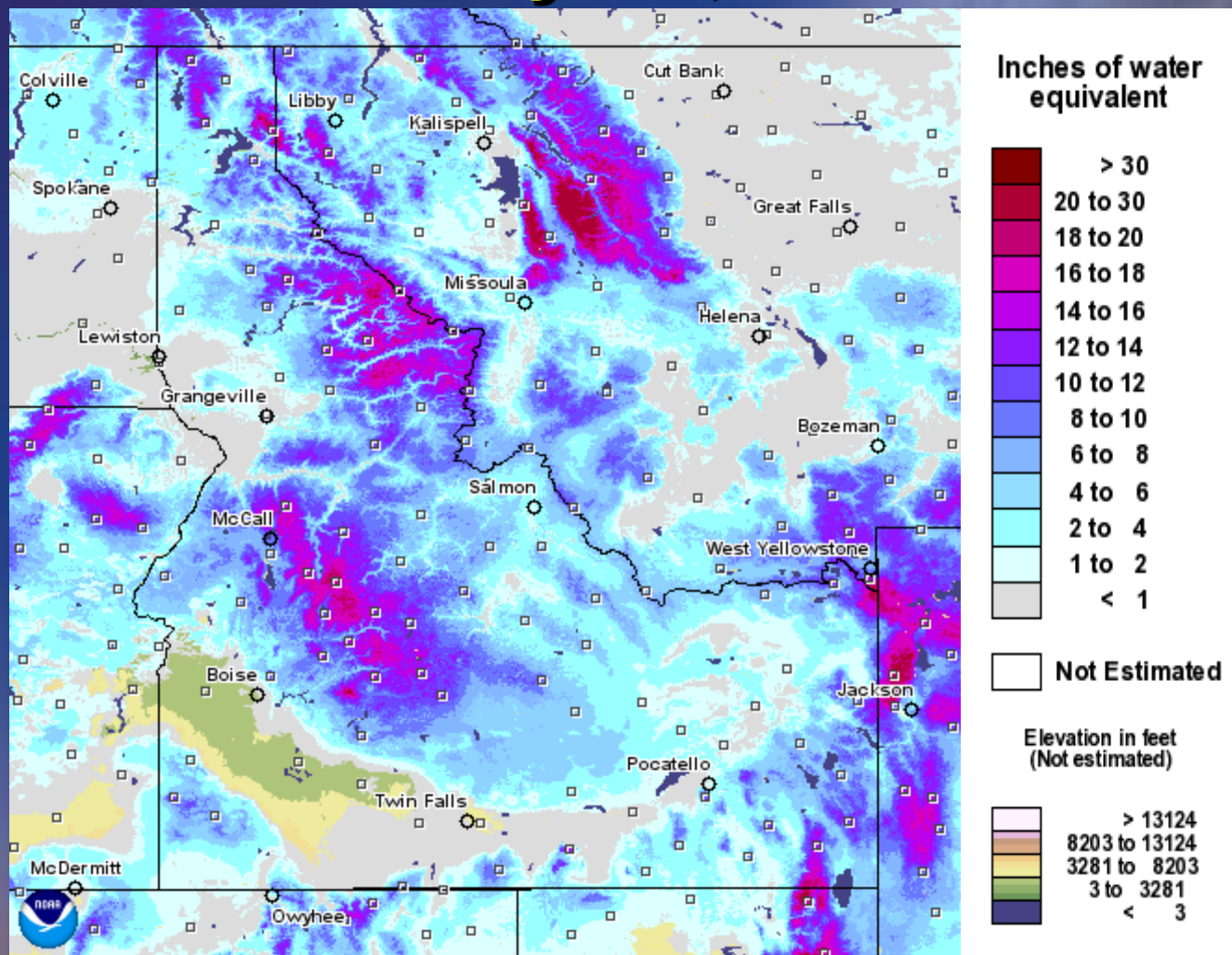
Start

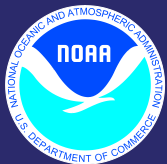
Speed in ms: 100

Jan 24th, 05Z

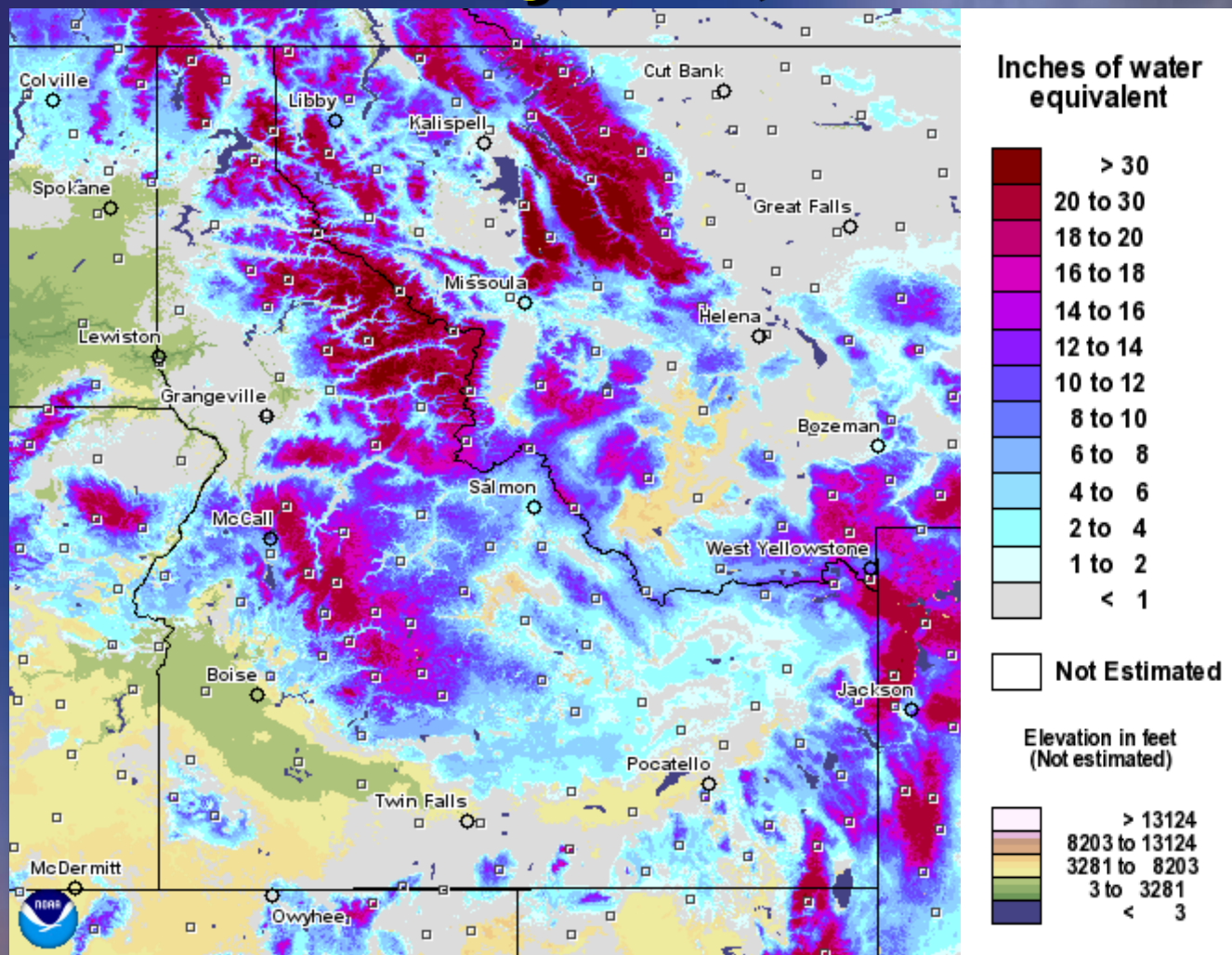


Snow Water Equivalent January 1st, 2011

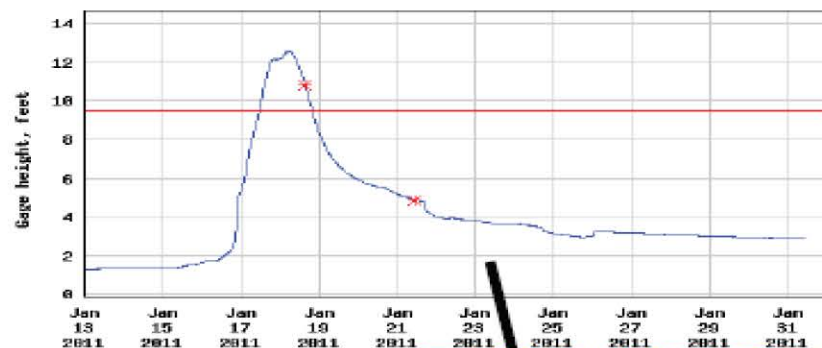




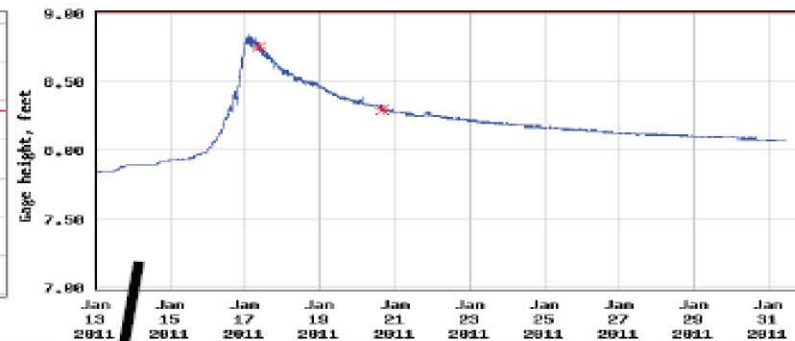
Snow Water Equivalent February 11th, 2011



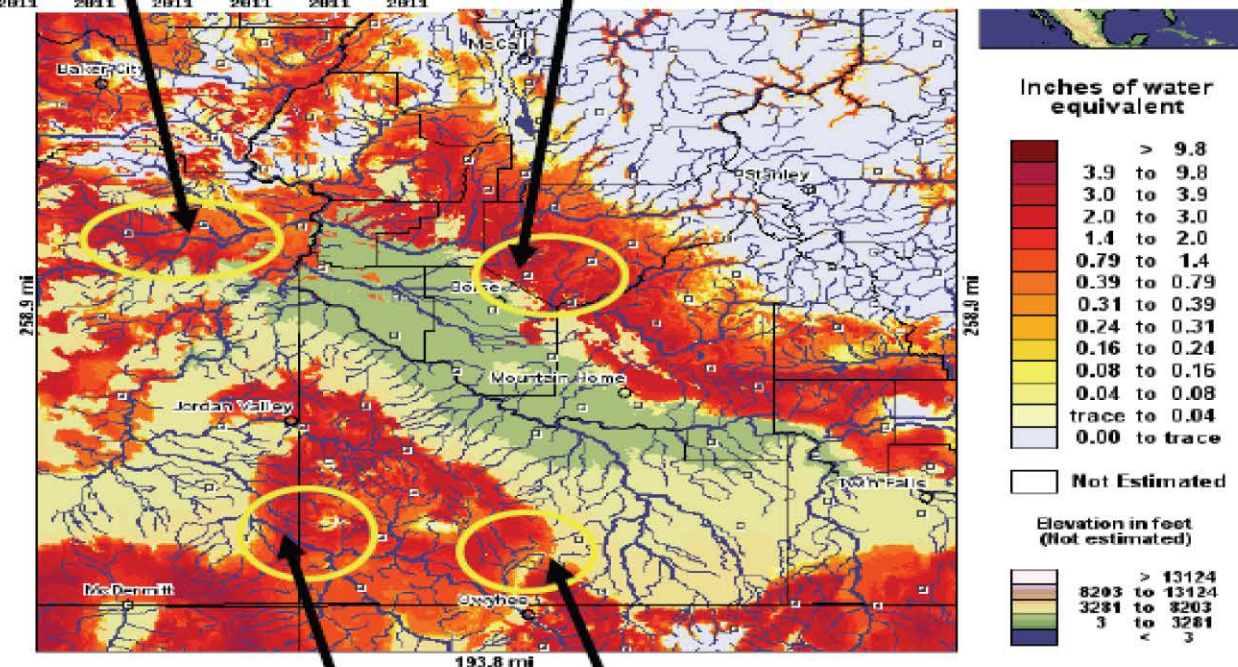
USGS 13293900 MALHEUR RIVER BELOW NEVADA DAM NEAR VALE OR



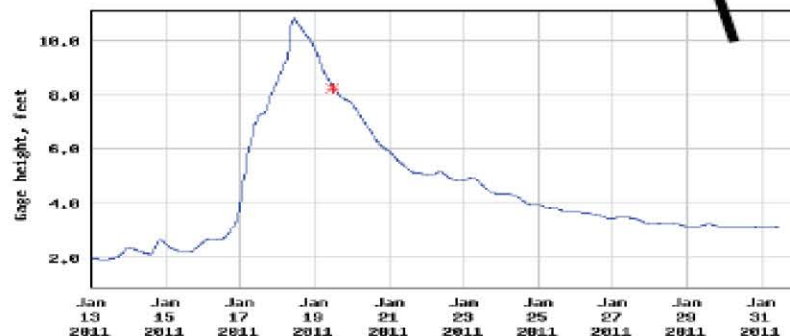
USGS 13294640 COTTONWOOD CREEK BEL FIVEHOLE CR NR BOISE ID



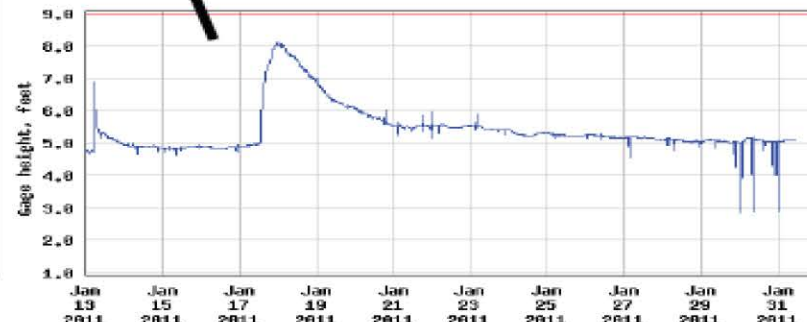
[Image right]
Snow melt, in
inches of water, for
the 72-hour period
ending midnight,
January 17, 2011.
Darker red areas
lost over 3 inches of
water during the
period.



USGS 13181000 OXYHEE RIVER NR ROHE OR

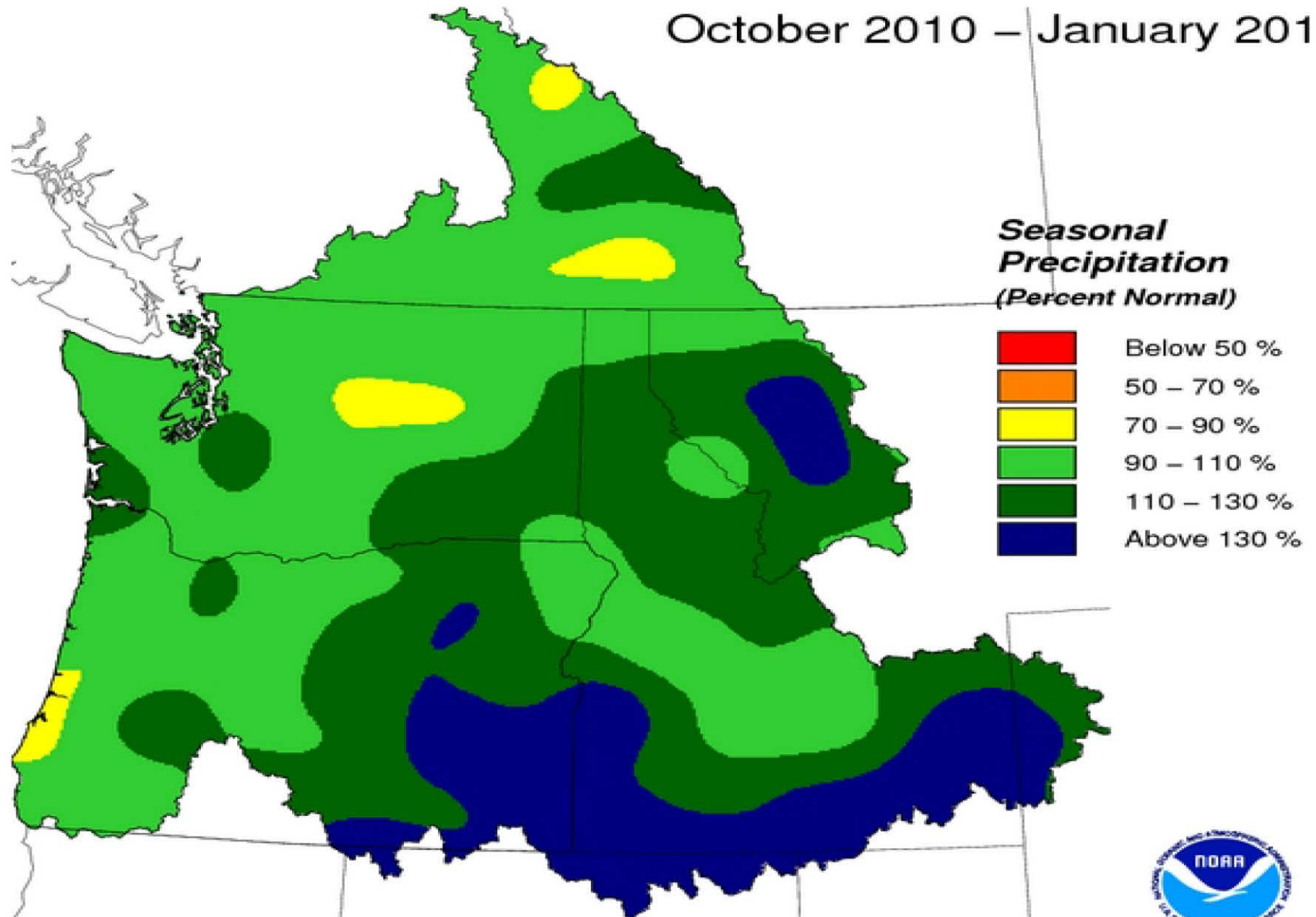


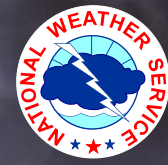
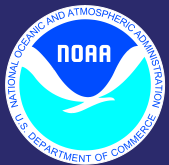
USGS 13180500 BRUNER RIVER NR HOT SPRING ID



Seasonal Precipitation

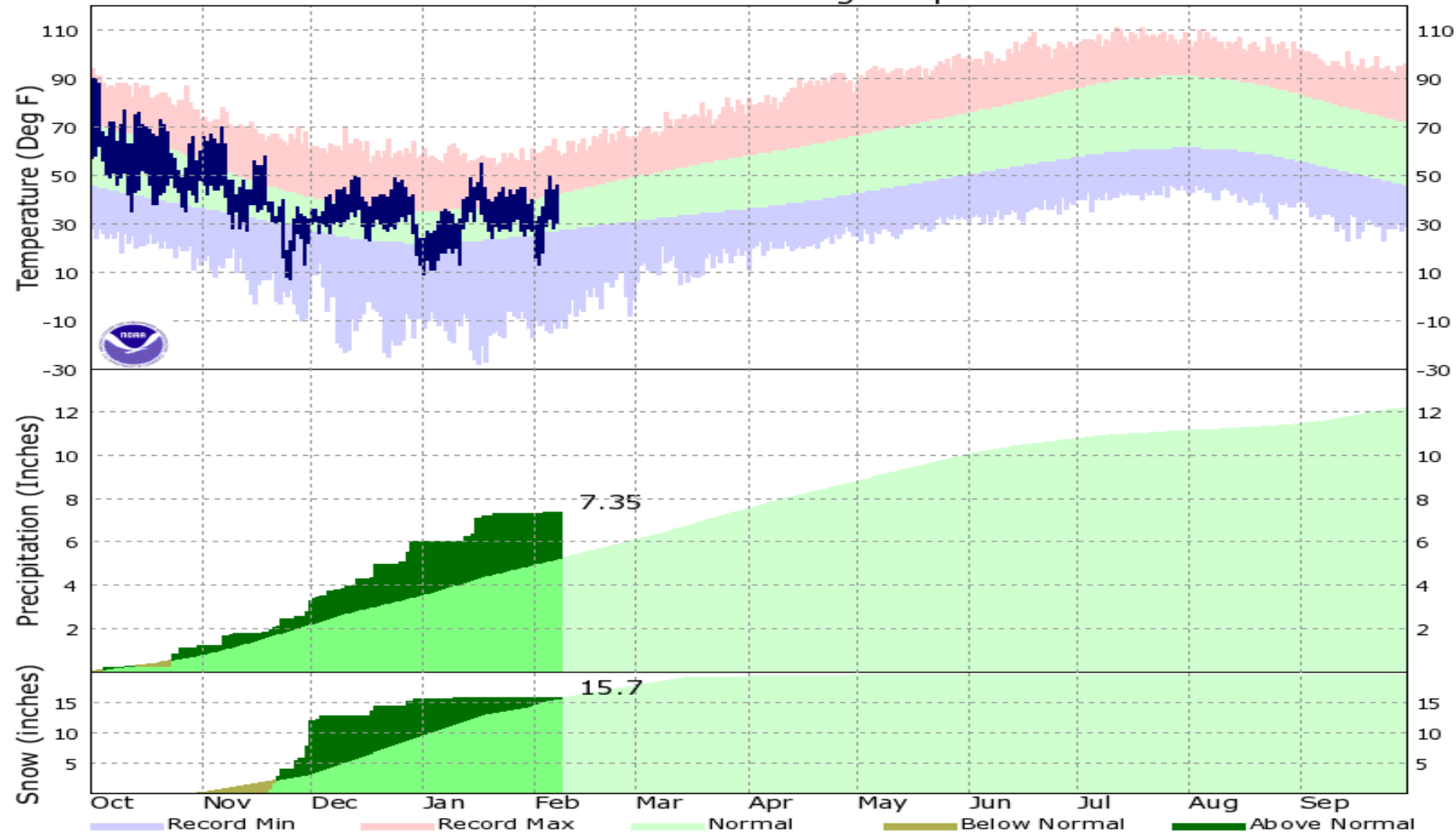
October 2010 – January 2011



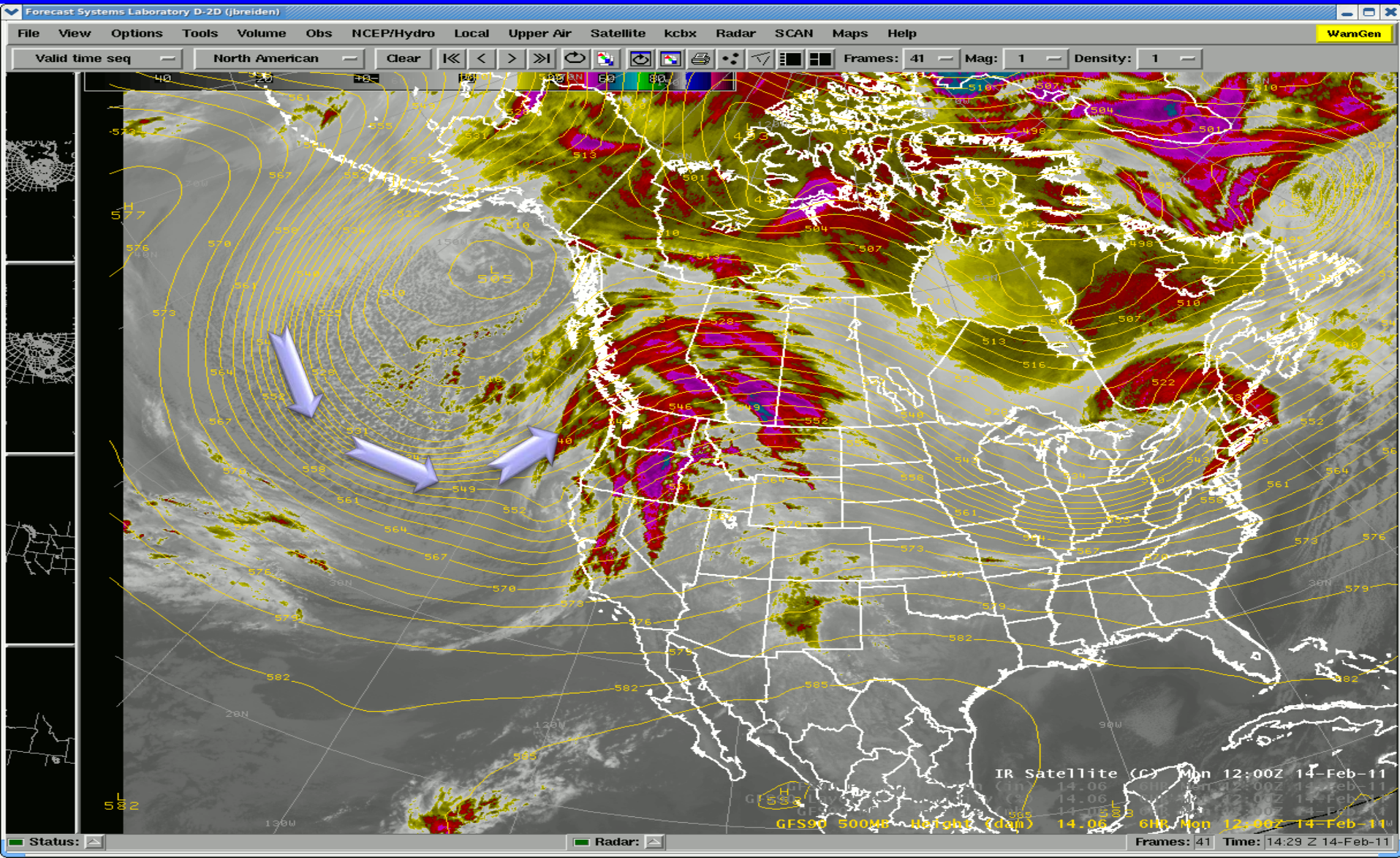


Temperature and Precipitation at Boise

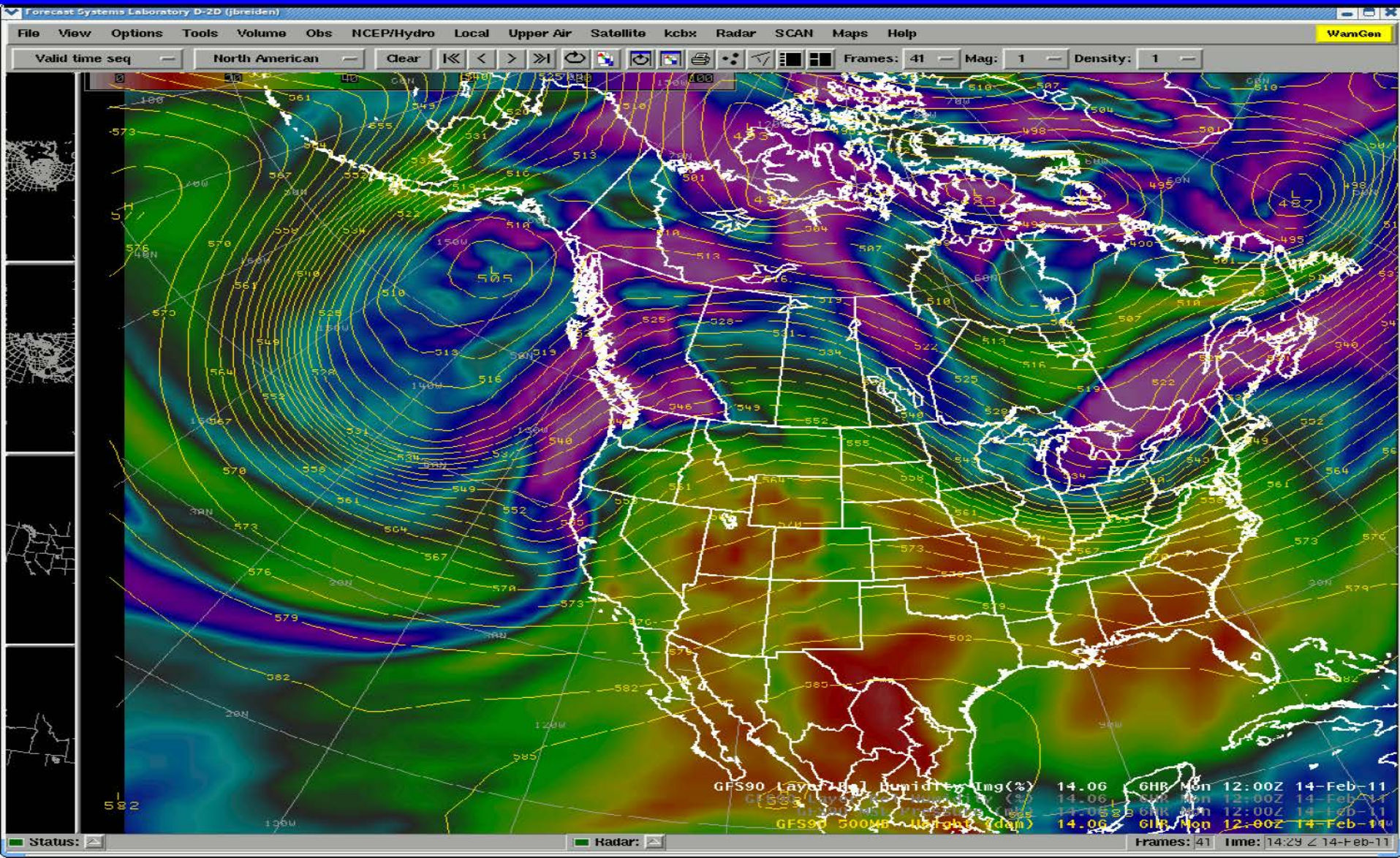
KBOI - Oct 2010 Through Sep 2011



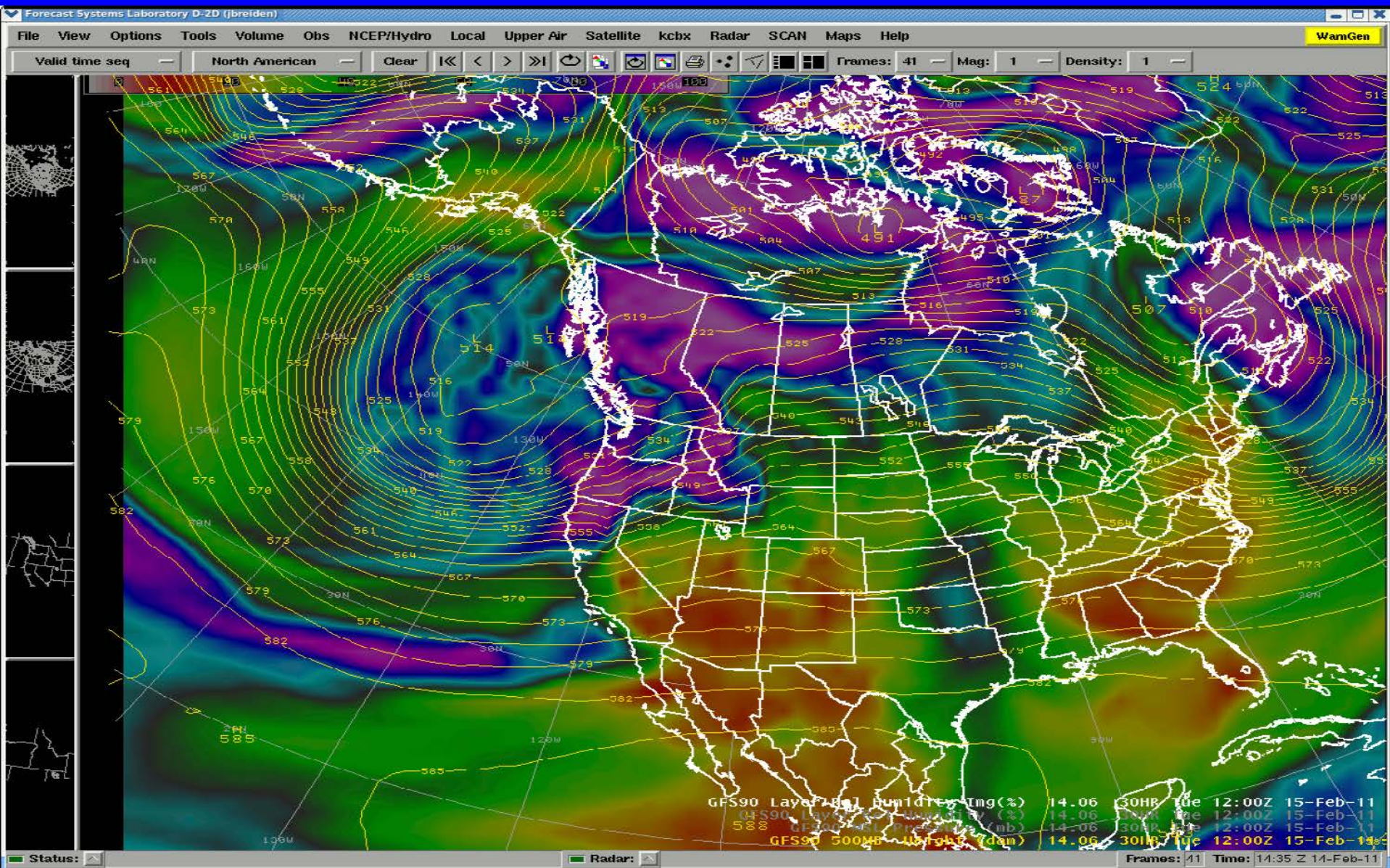
IR Satellite Imagery / 500 mb heights



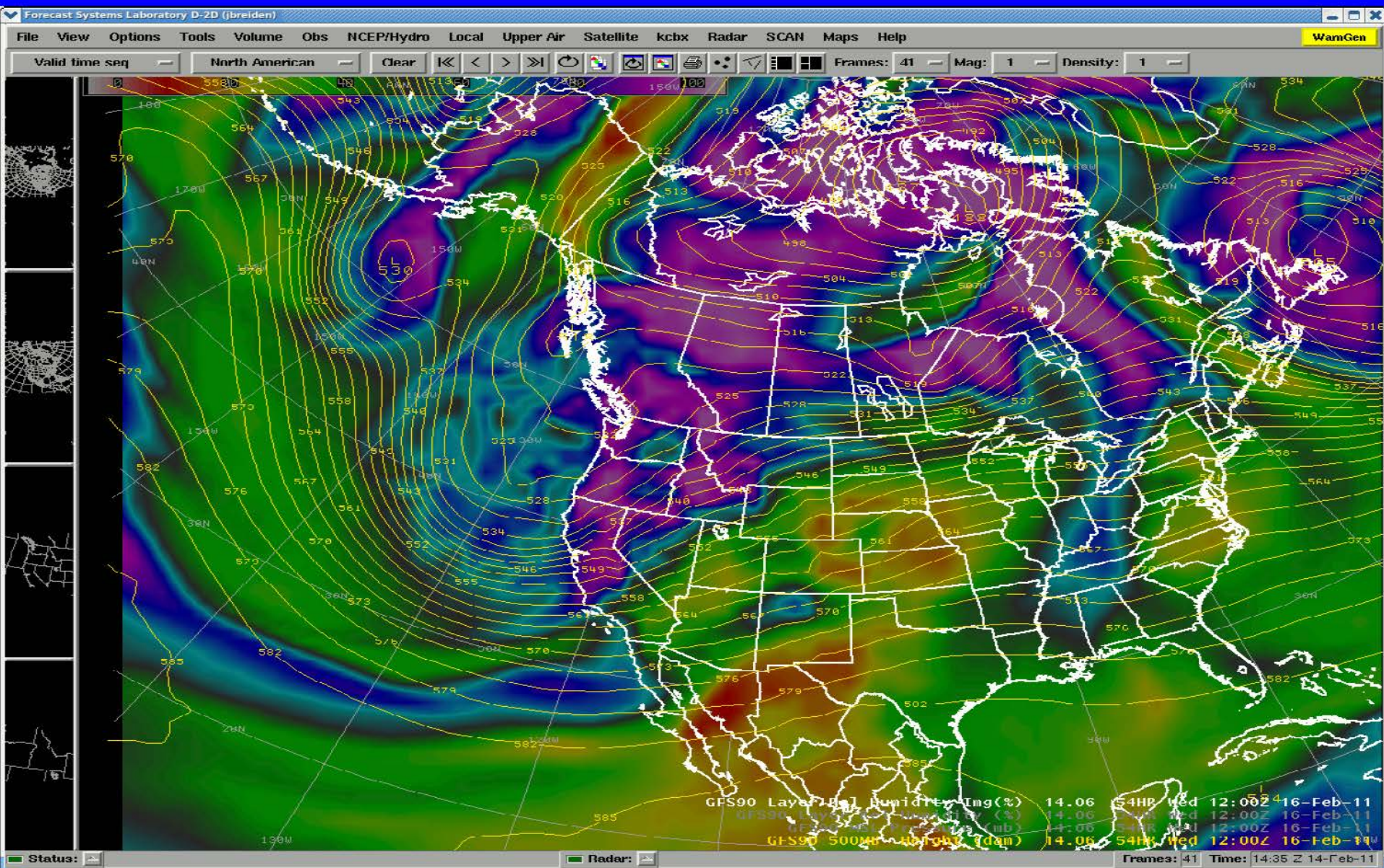
500 mb heights / model precipitation



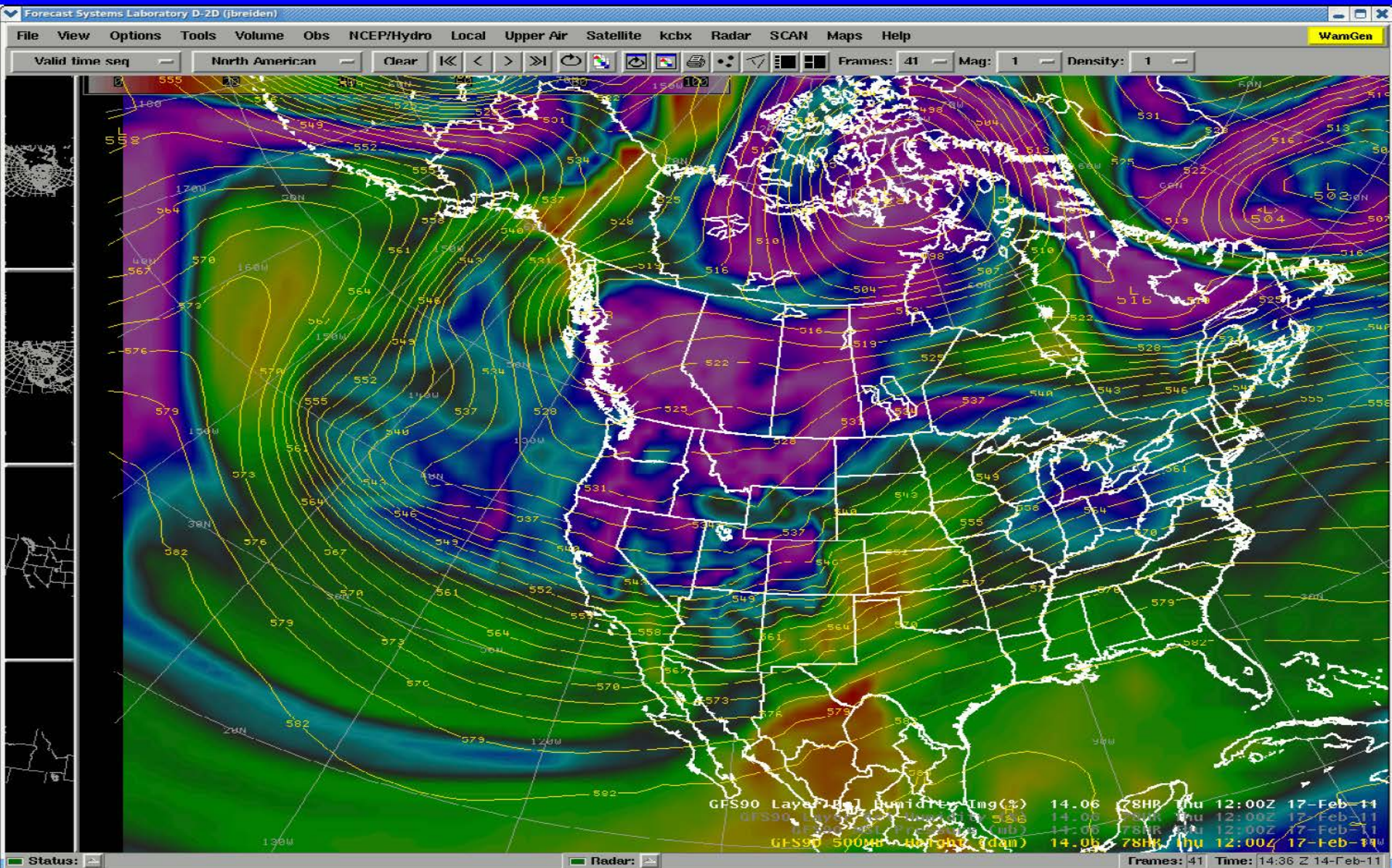
500 mb heights / model precipitation



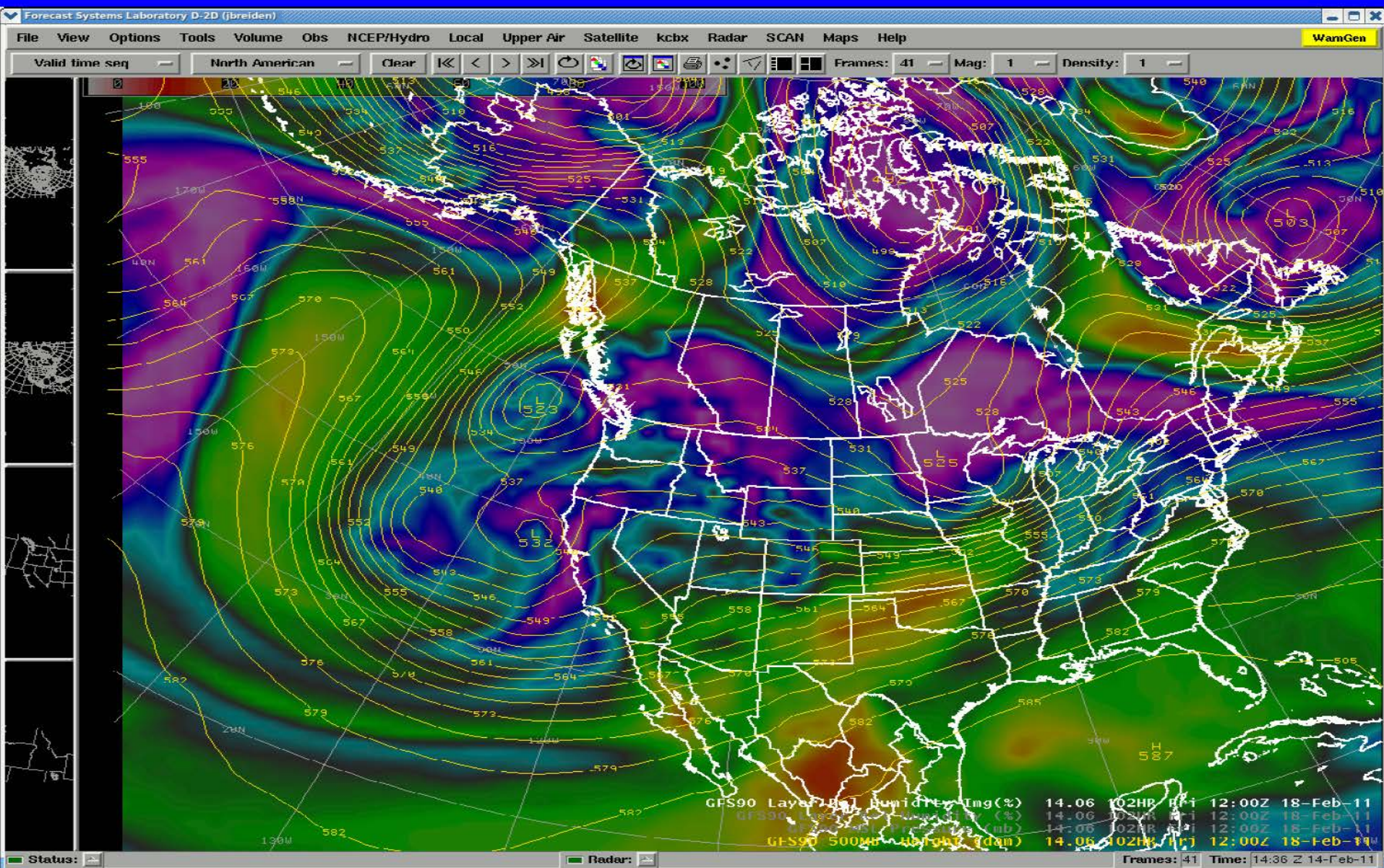
Wednesday, Feb 16th



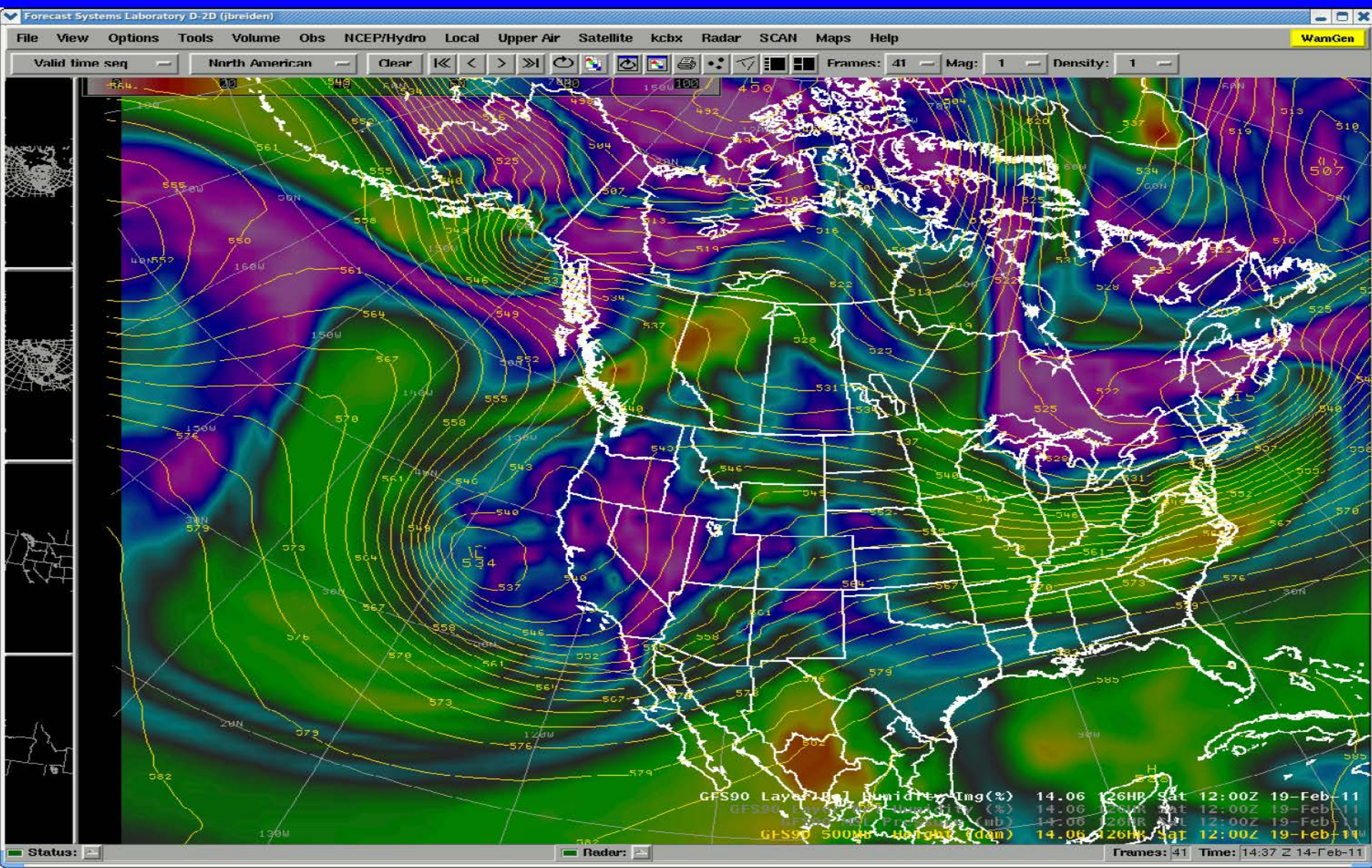
Thursday, Feb 17th



Friday, Feb 18th



Saturday, Feb 19th



Forecast Systems Laboratory D-2D (jbreiden)

File View Options Tools Volume Obs NCEP/Hydro Local Upper Air Satellite kcbx Radar SCAN Maps Help

Valid time seq North American Clear < > >> Frames: 41 Mag: 1 Density: 1

WamGen

1000 950 900 850 800 750 700 650 600 550 500 450 400 350 300 250 200 150 100 50 0

180W 150W 120W 90W 60W 30W 0 30E 60E 90E 120E 150E 180E

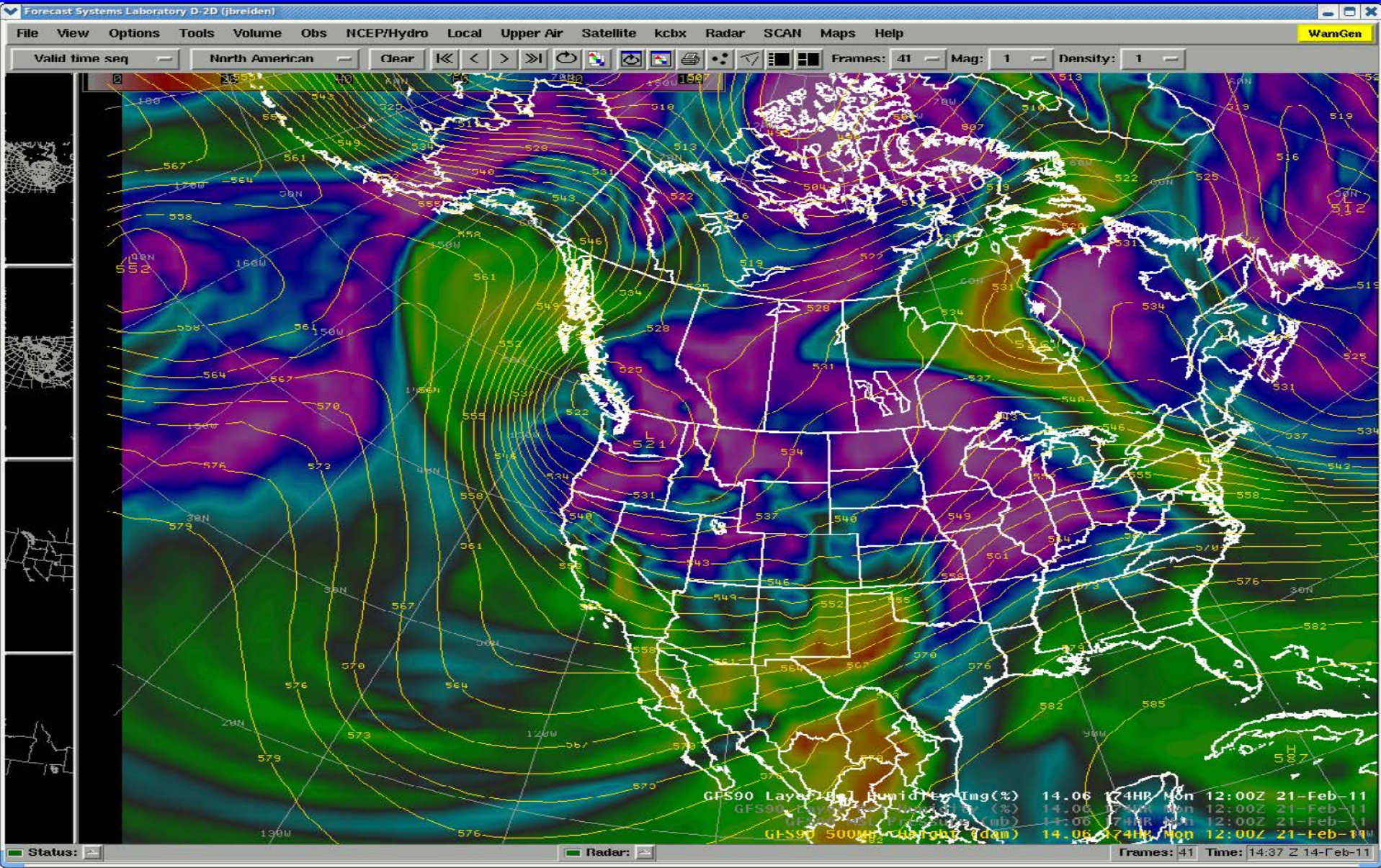
60N 50N 40N 30N 20N 10N 0 10S 20S 30S 40S 50S 60S

GFS90 Layer 1000 hPa Height (dam) 14.06 150HPa Sun 12:00Z 20-Feb-11
 GFS90 Layer 1000 hPa Height (dam) 14.06 150HPa Sun 12:00Z 20-Feb-11
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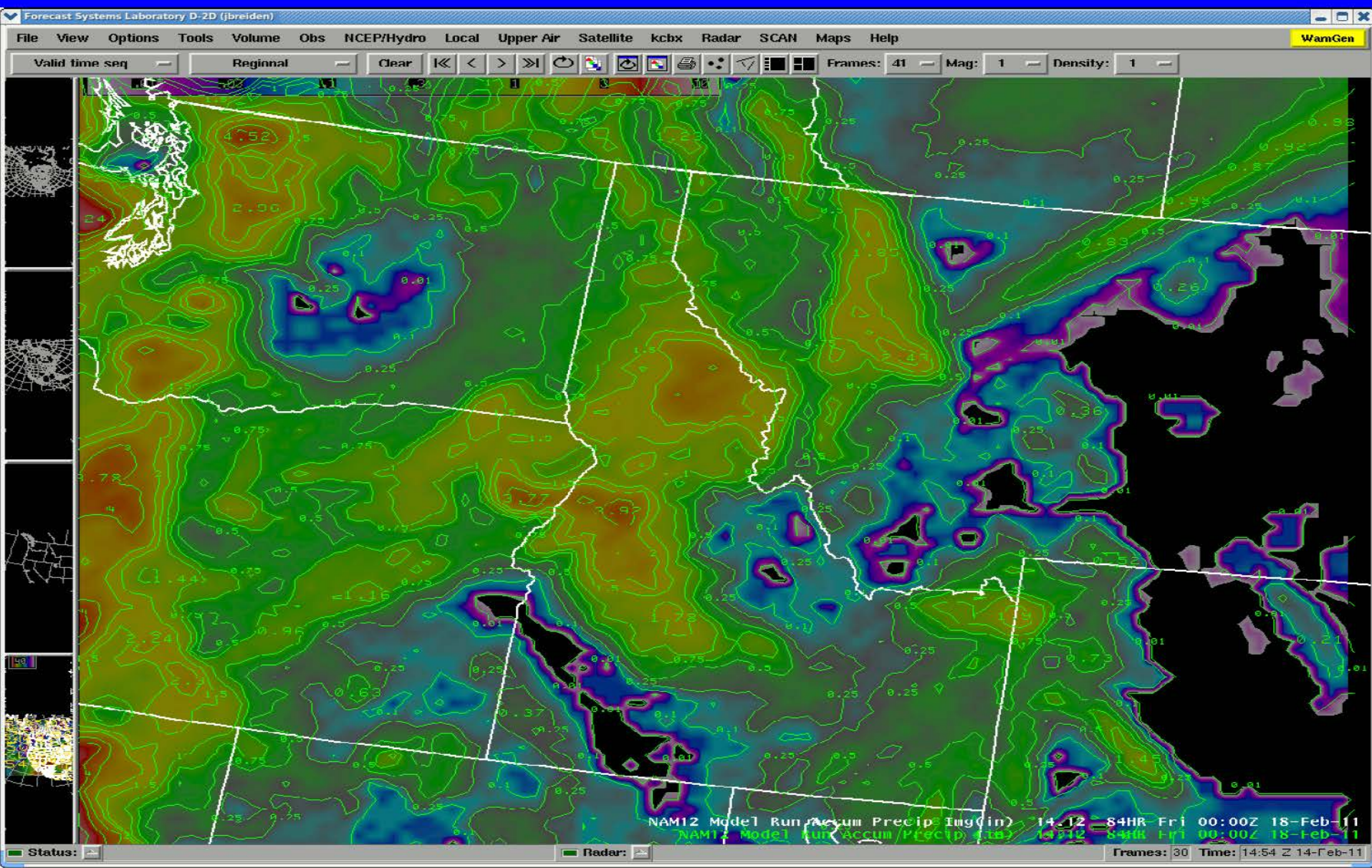
Status: Radar: Frames: 41 Time: 14:37 Z 14-Feb-11

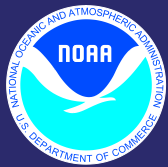
GFS90 Layer 1000 Humidity Tng(%)	14.06	50HR	Sun	12:00Z	20-Feb-11
GFS90 Layer 1000 Temp(C)	14.06	50HR	Sun	12:00Z	20-Feb-11
GFS90 Layer 1000 Pressure(mb)	14.06	50HR	Sun	12:00Z	20-Feb-11
GFS90 500MB Height(ftam)	14.06	50HR	Sun	12:00Z	20-Feb-11

Monday, Feb 21st



Total Precipitation Ending Friday, Feb 18th

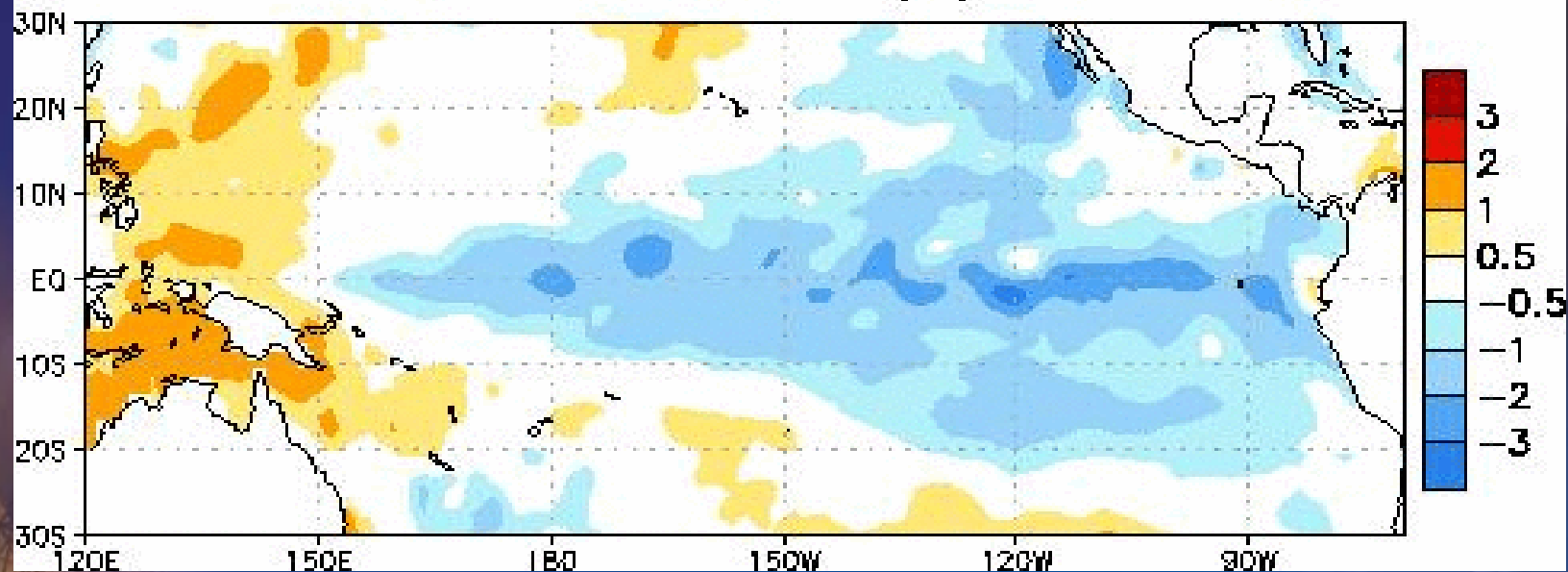




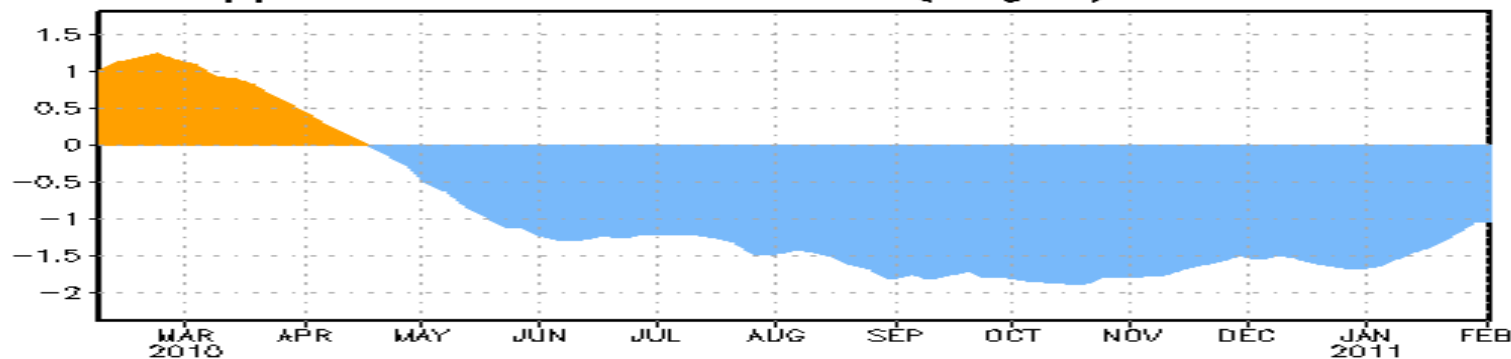
Equatorial Sea Surface Temperature Anomalies

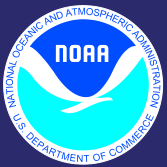


Week centered on 24 NOV 2010
SST Anomalies ($^{\circ}\text{C}$)



EQ. Upper-Ocean Heat Anoma. (deg C) for 180–100W

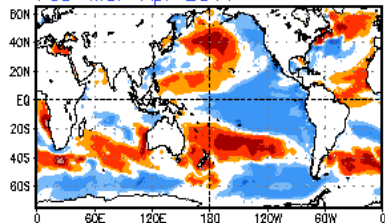




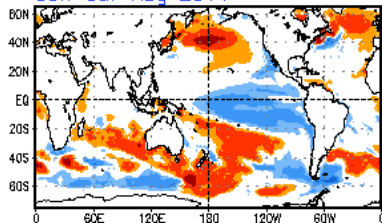
SST Outlook: NCEP CFS Forecast Issued 7 February 2011



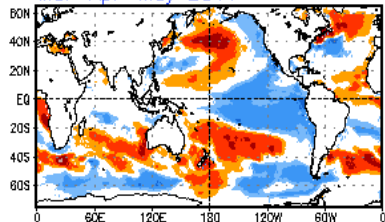
Feb-Mar-Apr 2011



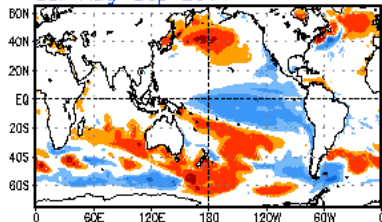
Jun-Jul-Aug 2011



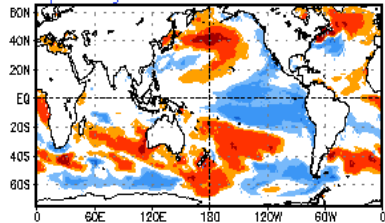
Mar-Apr-May 2011



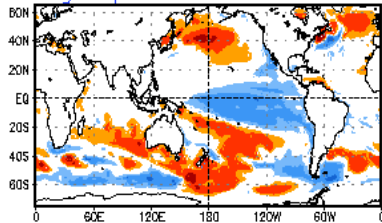
Jul-Aug-Sep 2011



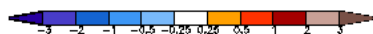
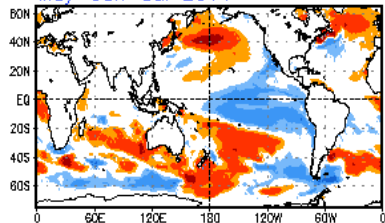
Apr-May-Jun 2011



Aug-Sep-Oct 2011

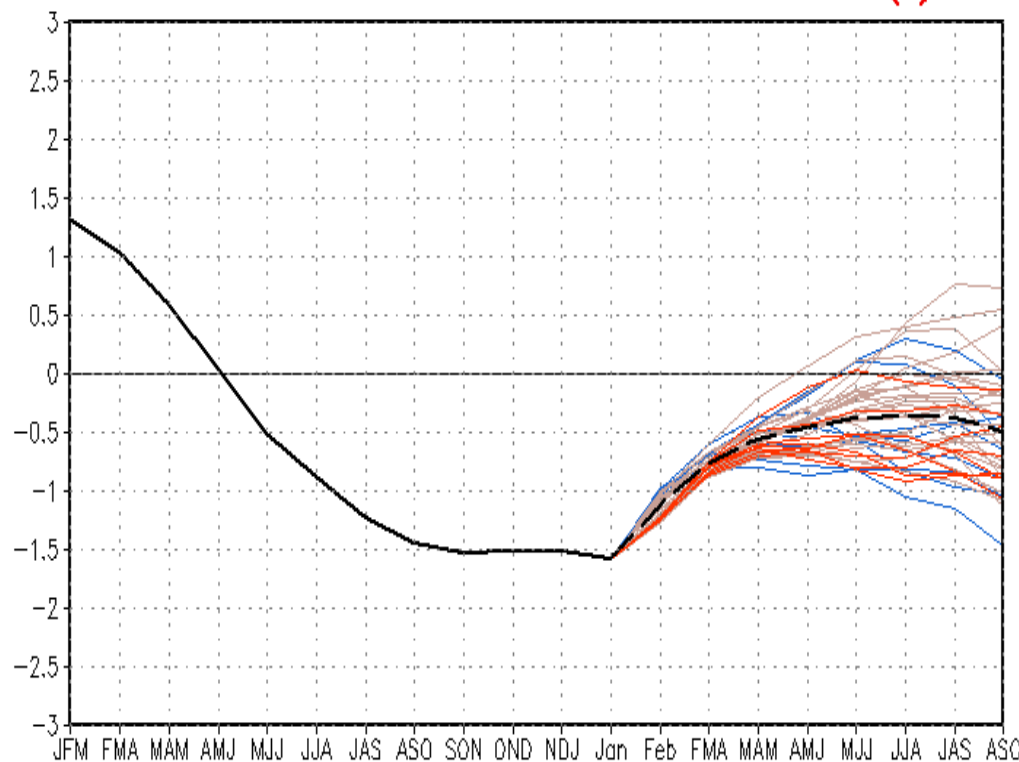


May-Jun-Jul 2011



The CFS ensemble mean (black dashed line) predicts La Niña conditions through Northern Hemisphere summer 2011.

PDF corrected CFS forecast Nino3.4 SST anomalies (K)



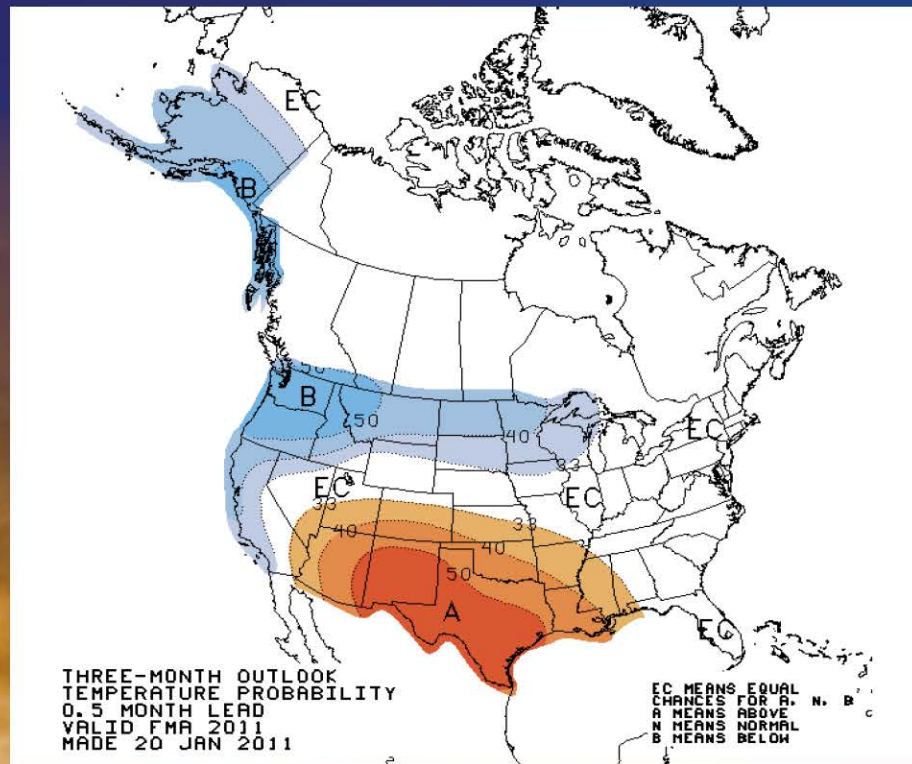


U. S. Seasonal Outlooks

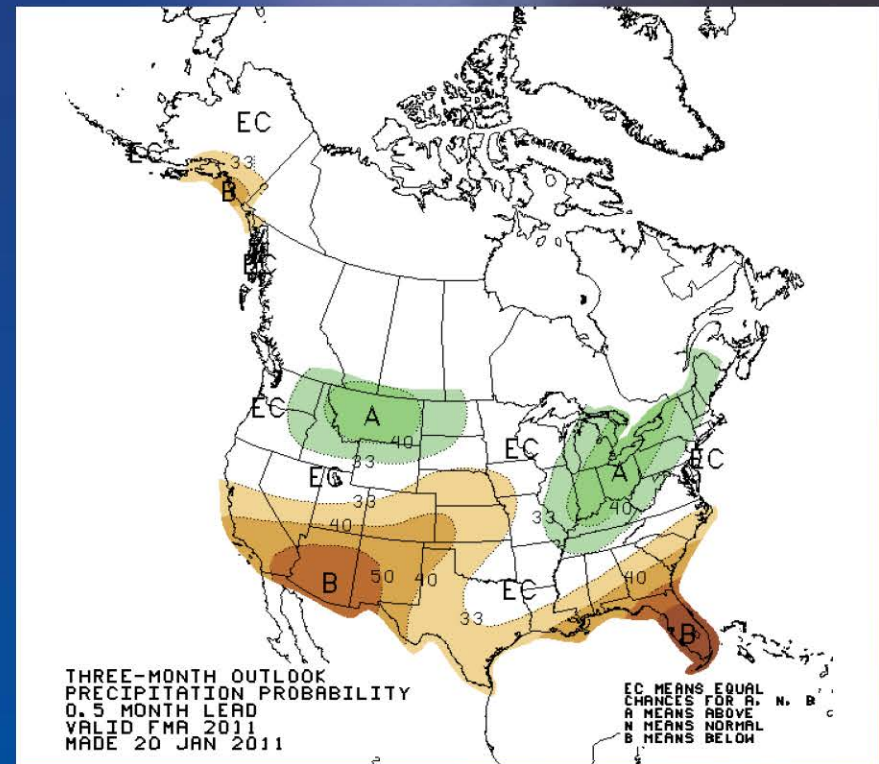
February - April 2011

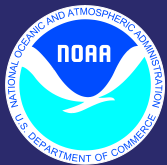


Temperature

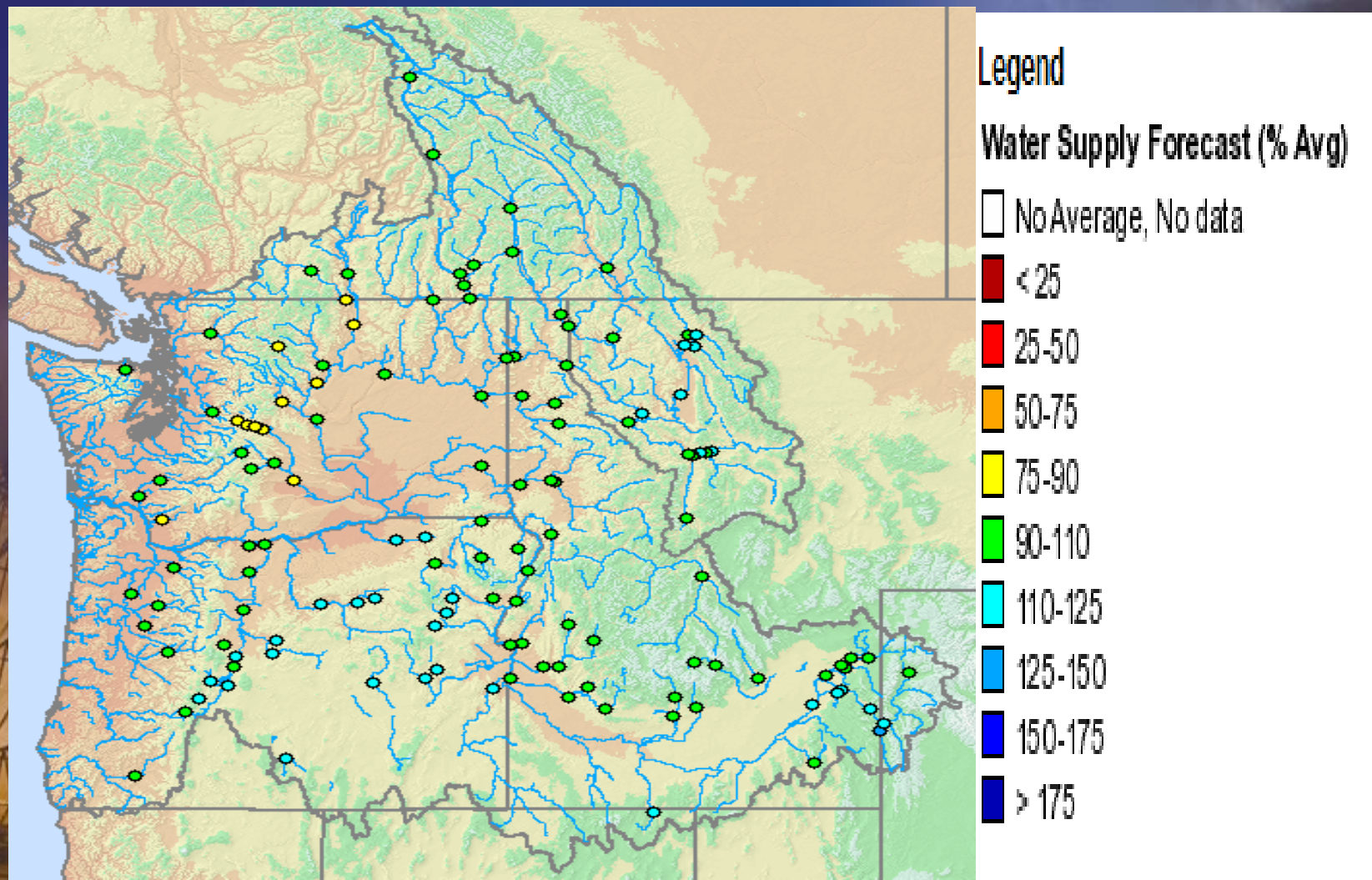
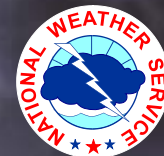


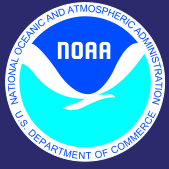
Precipitation





Above Normal Water Supply Expected in 2011





Current Information on Web

www.weather.gov/boise

www.nwrfc.noaa.gov/westernwater

