



Idaho Weather, Climate and Water Supply Outlook

IDWR Briefing, March 11th 2010

Jay Breidenbach, NOAA National Weather Service

National Snow Pack

Temperature and Precipitation Anomalies

Forecast for next 10 days

El-Nino Status

Three Month Climate Outlook

Water Supply Numbers and Drought Summary

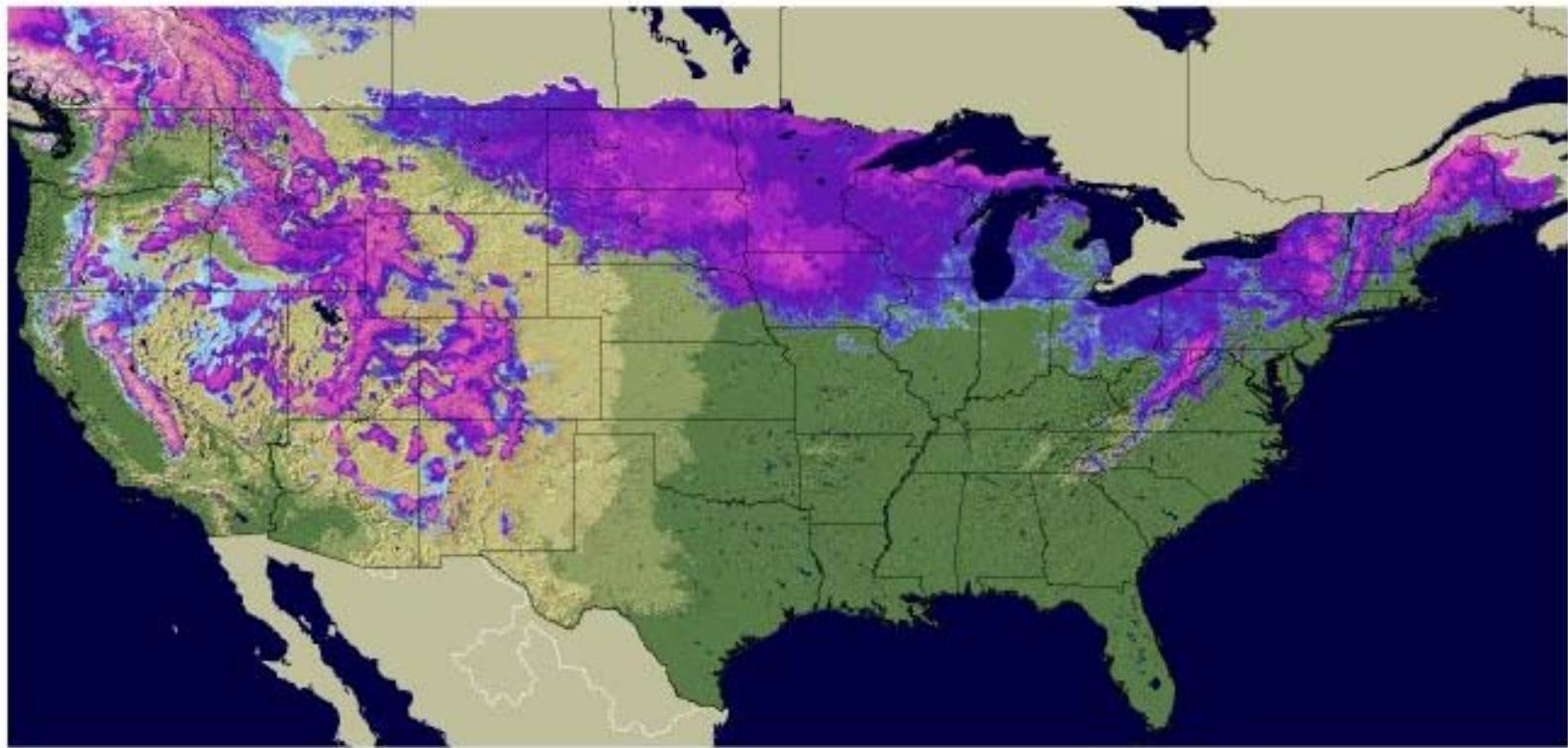
Spring Flood Outlook – Below Average



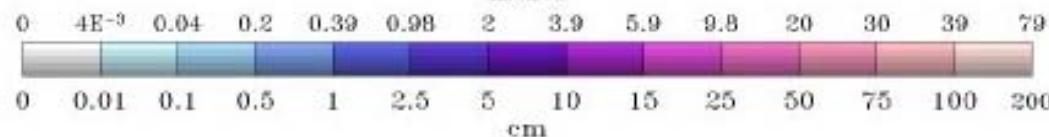
National Snow Water Content

Snow Water Equivalent

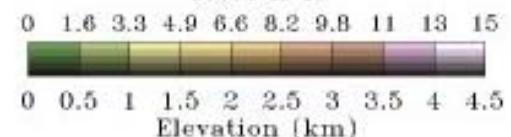
2010-03-09 06



inches



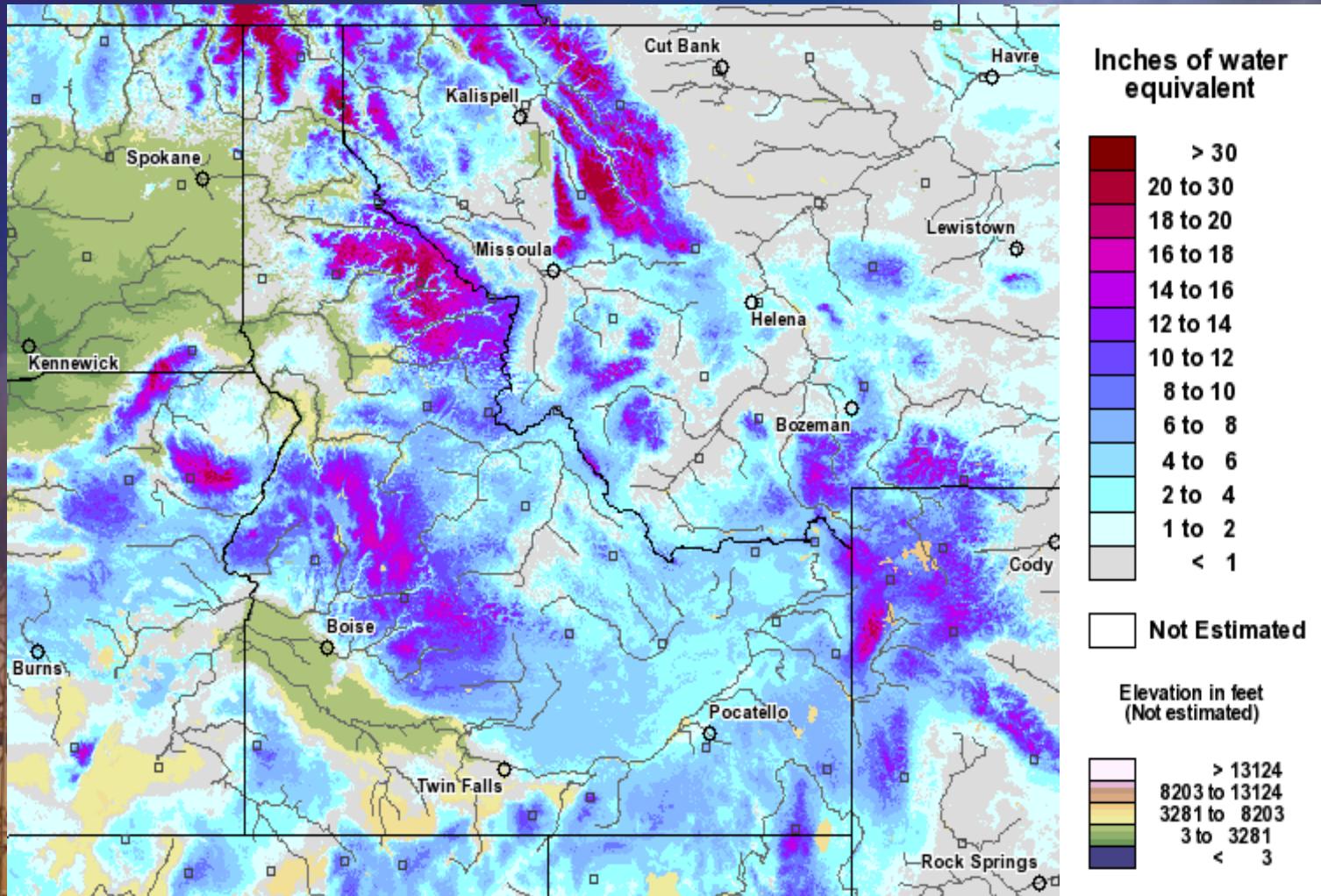
1000s of ft.





Snow Water Equivalent

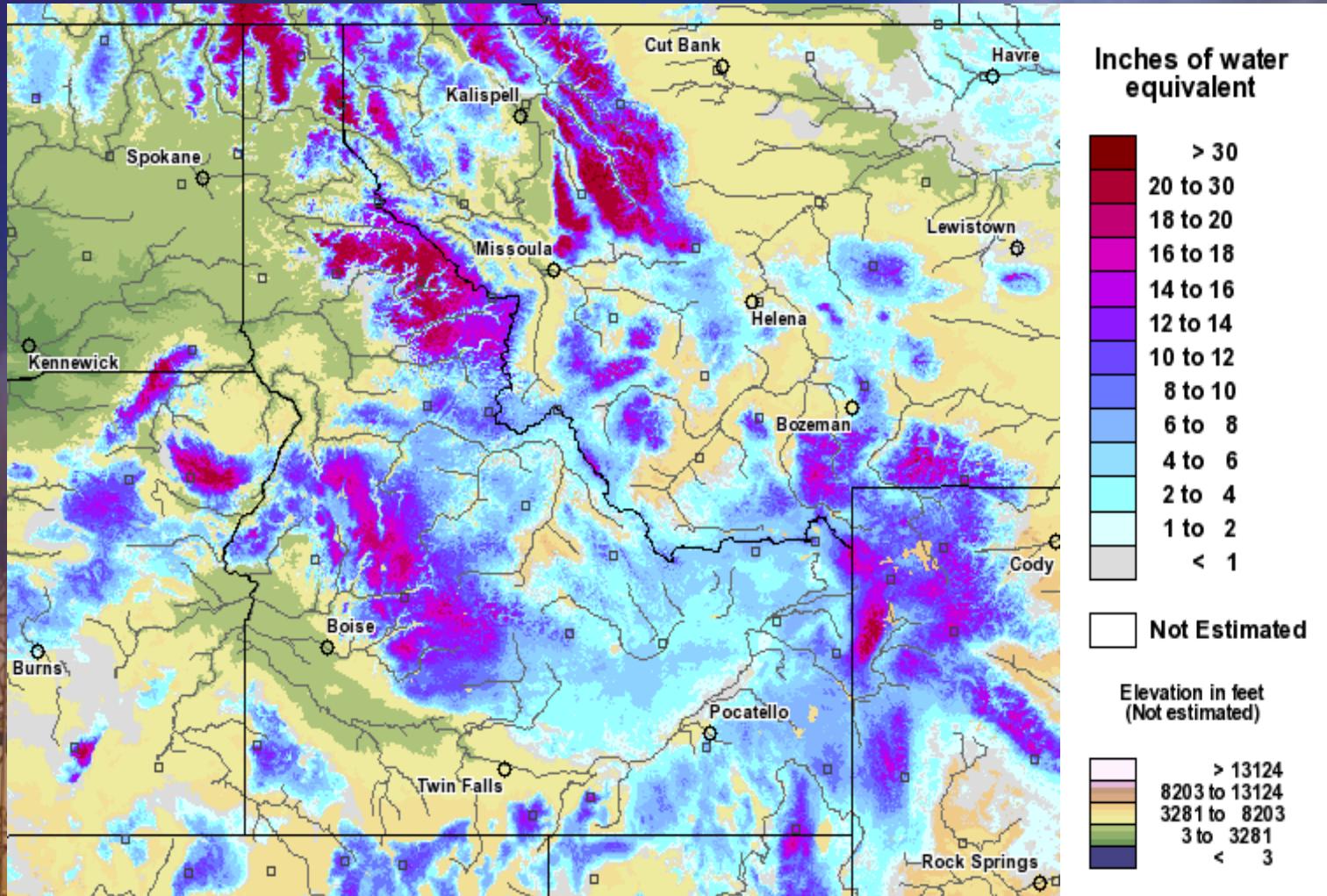
Feb 8th, 2010





Snow Water Equivalent

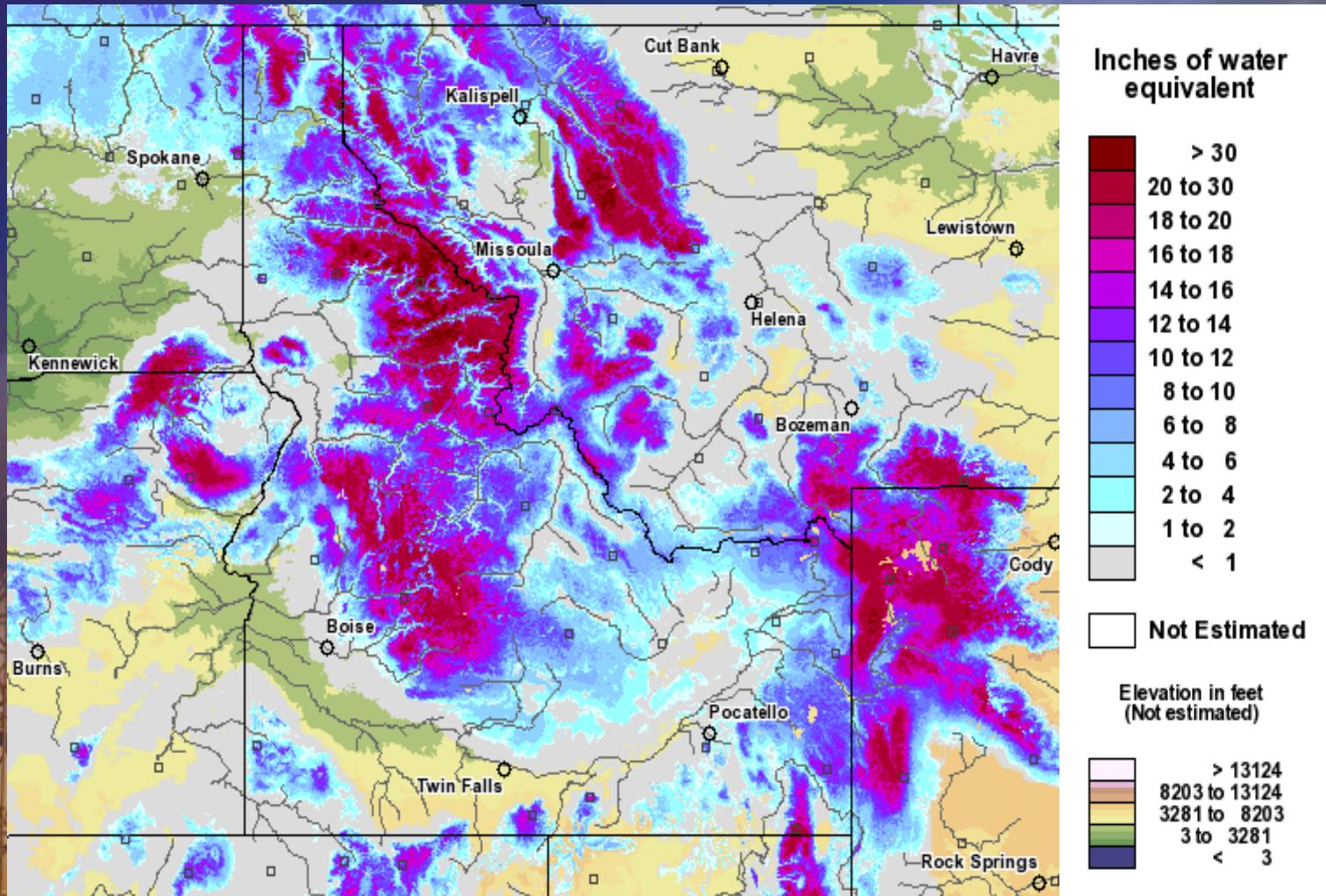
March 8th, 2010



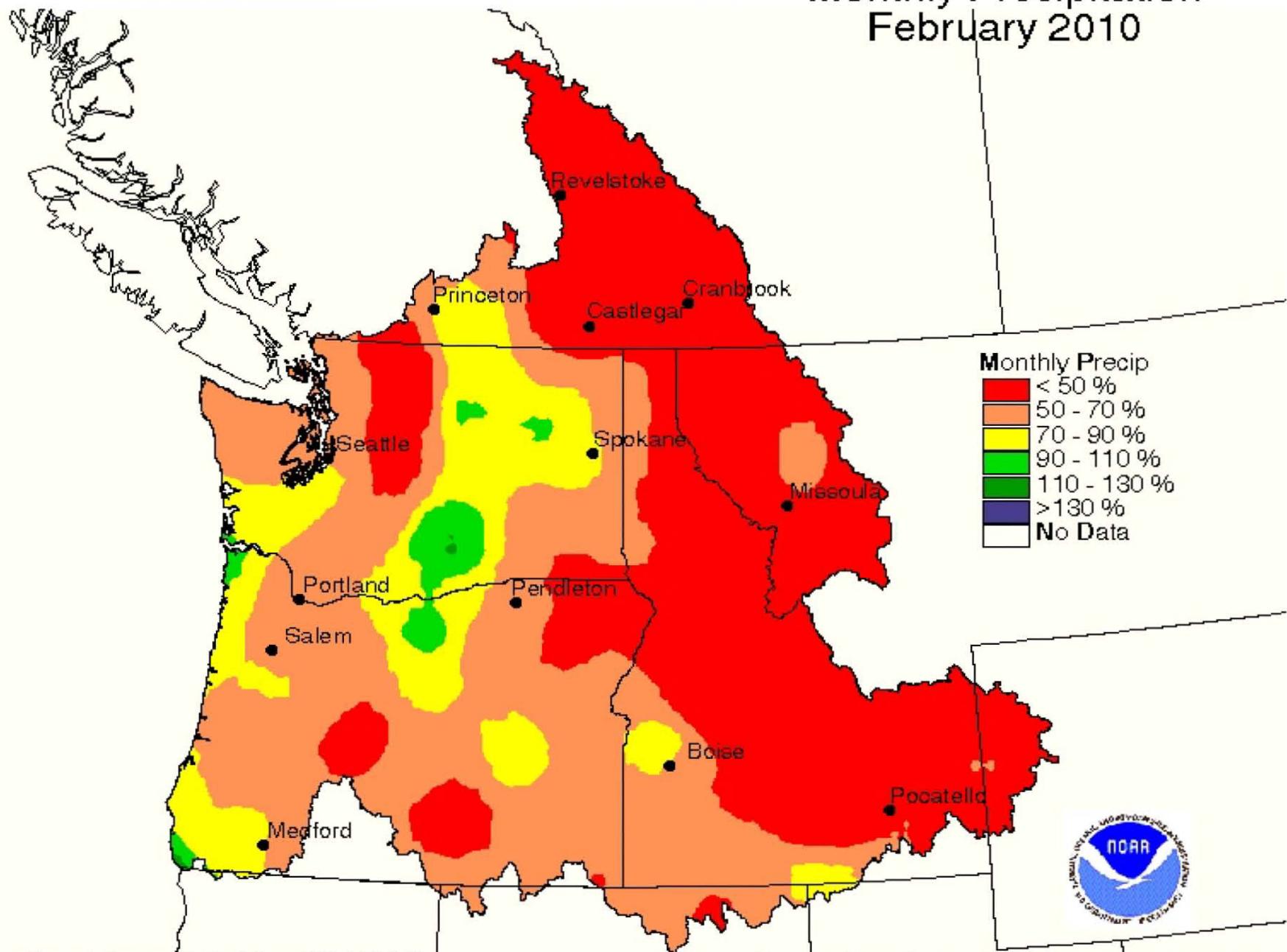


Snow Water Equivalent

March 8th, 2009



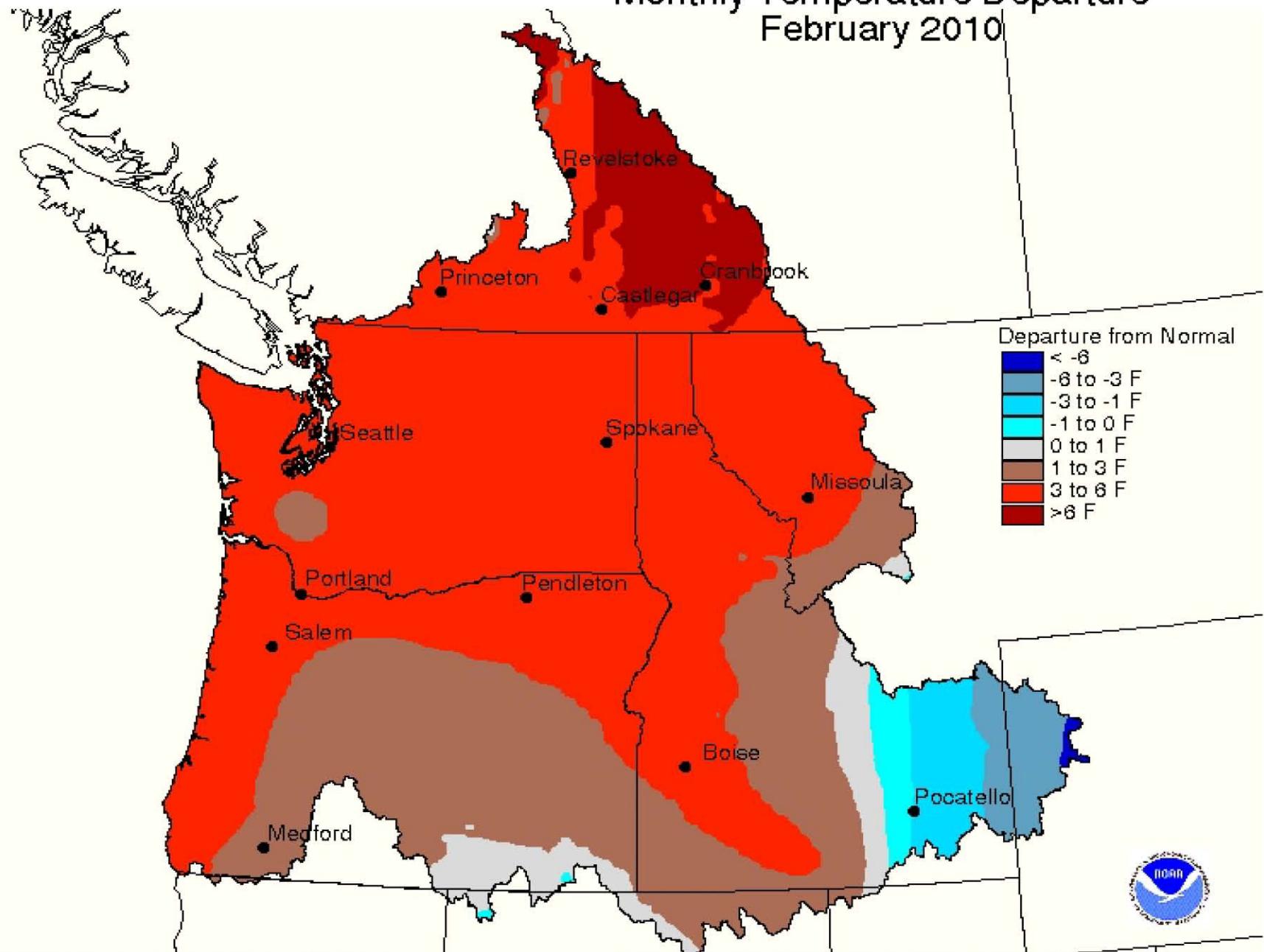
Monthly Precipitation February 2010



Creation Time: Fri, Mar 05 2010

Produced by the Northwest River Forecast Center

Monthly Temperature Departure February 2010



Creation Time: Fri, Mar 05 2010

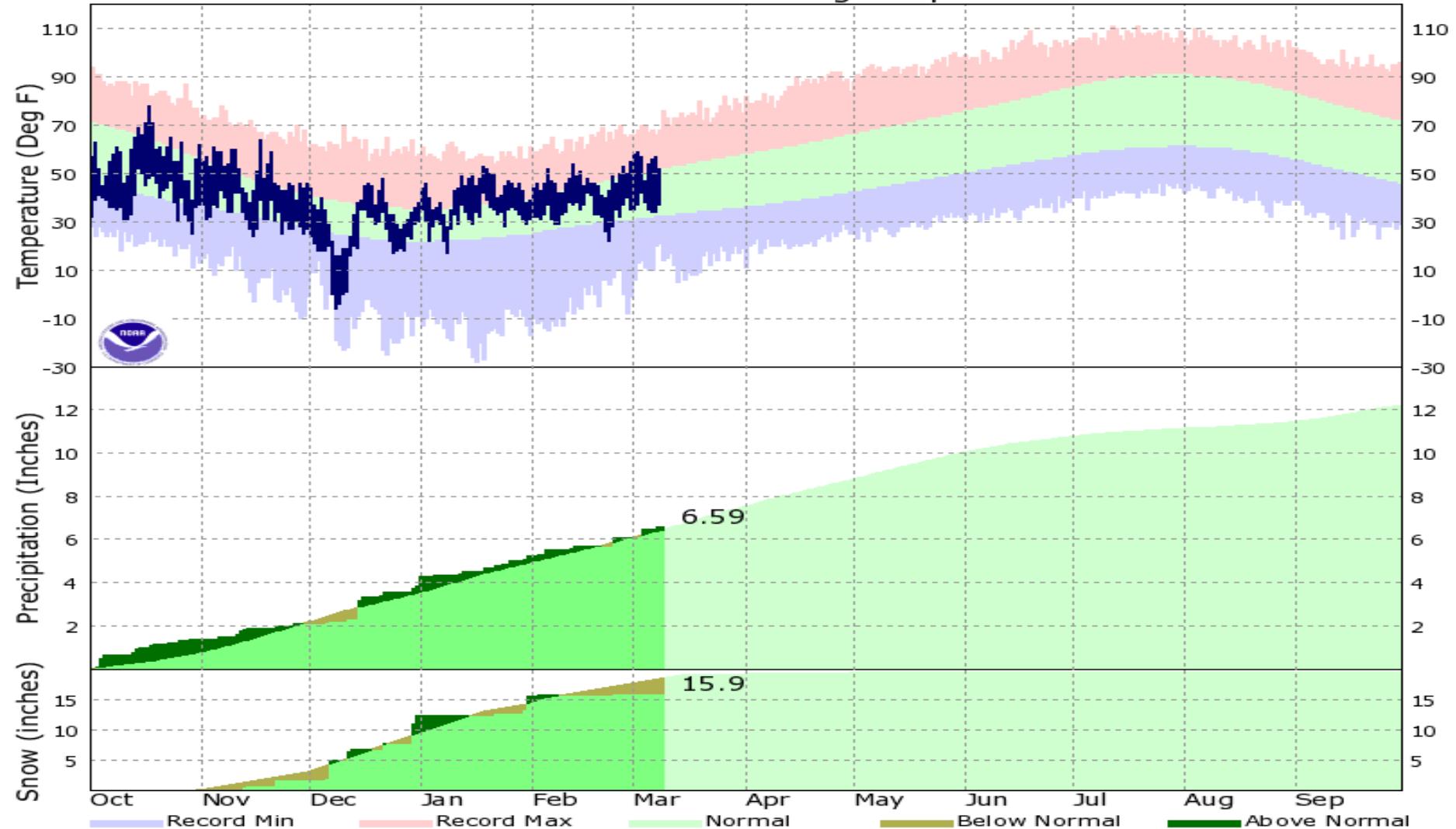
Produced by the Northwest River Forecast Center





Temperature and Precipitation at Boise

KBOI - Oct 2009 Through Sep 2010



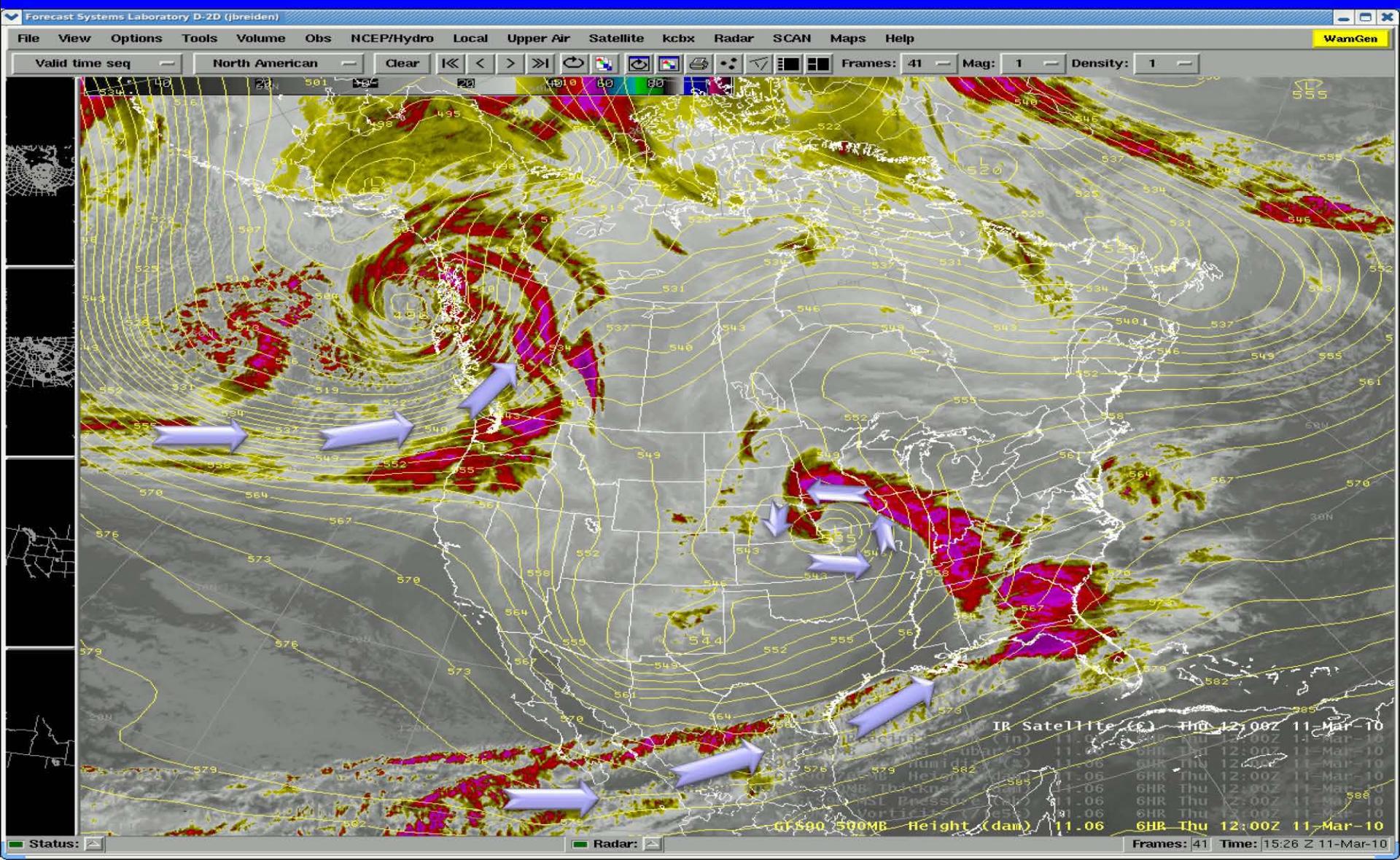


Spring Melt Starts Early



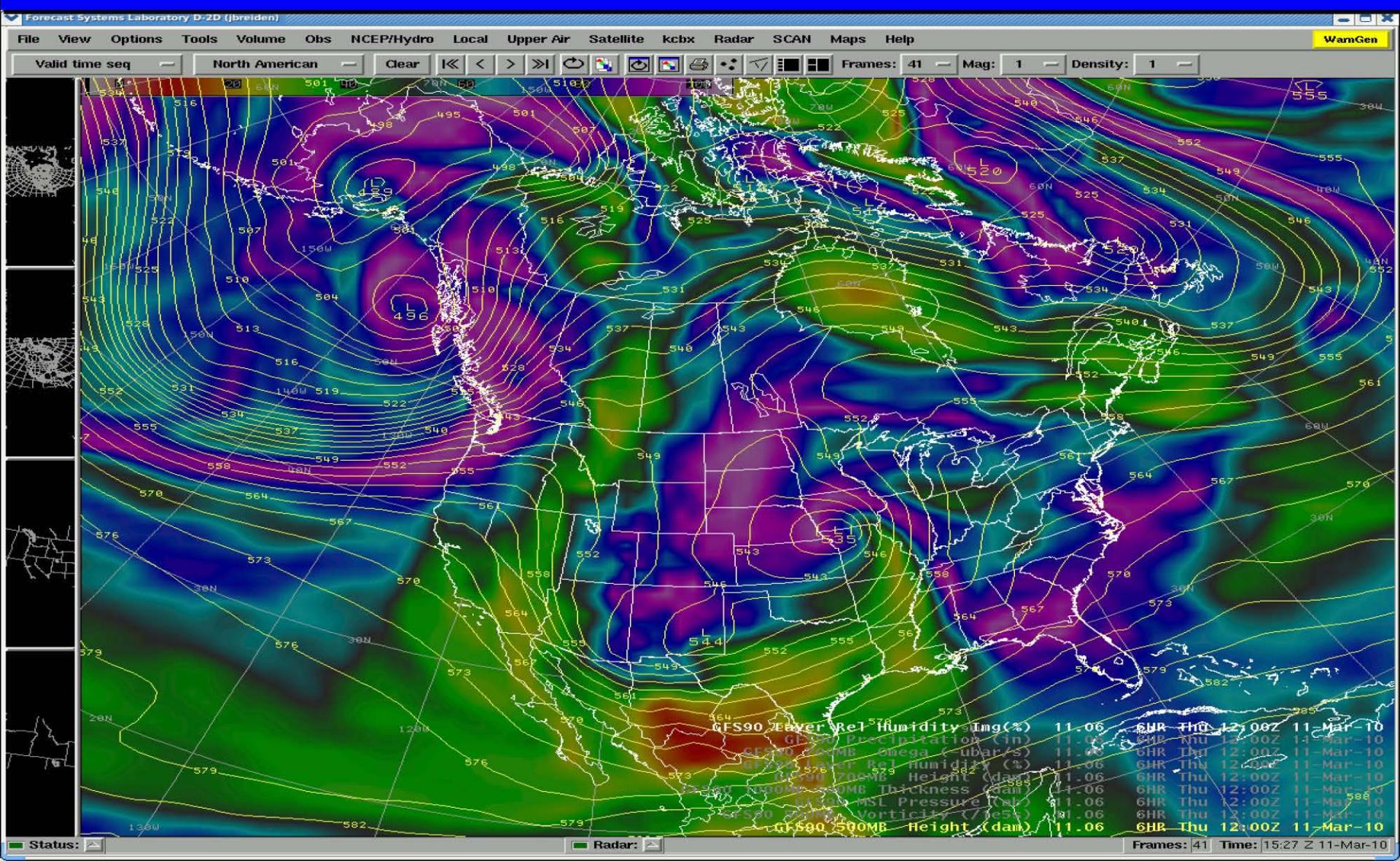
Thursday - Mar 11th

IR Satellite Imagery / 500 mb heights



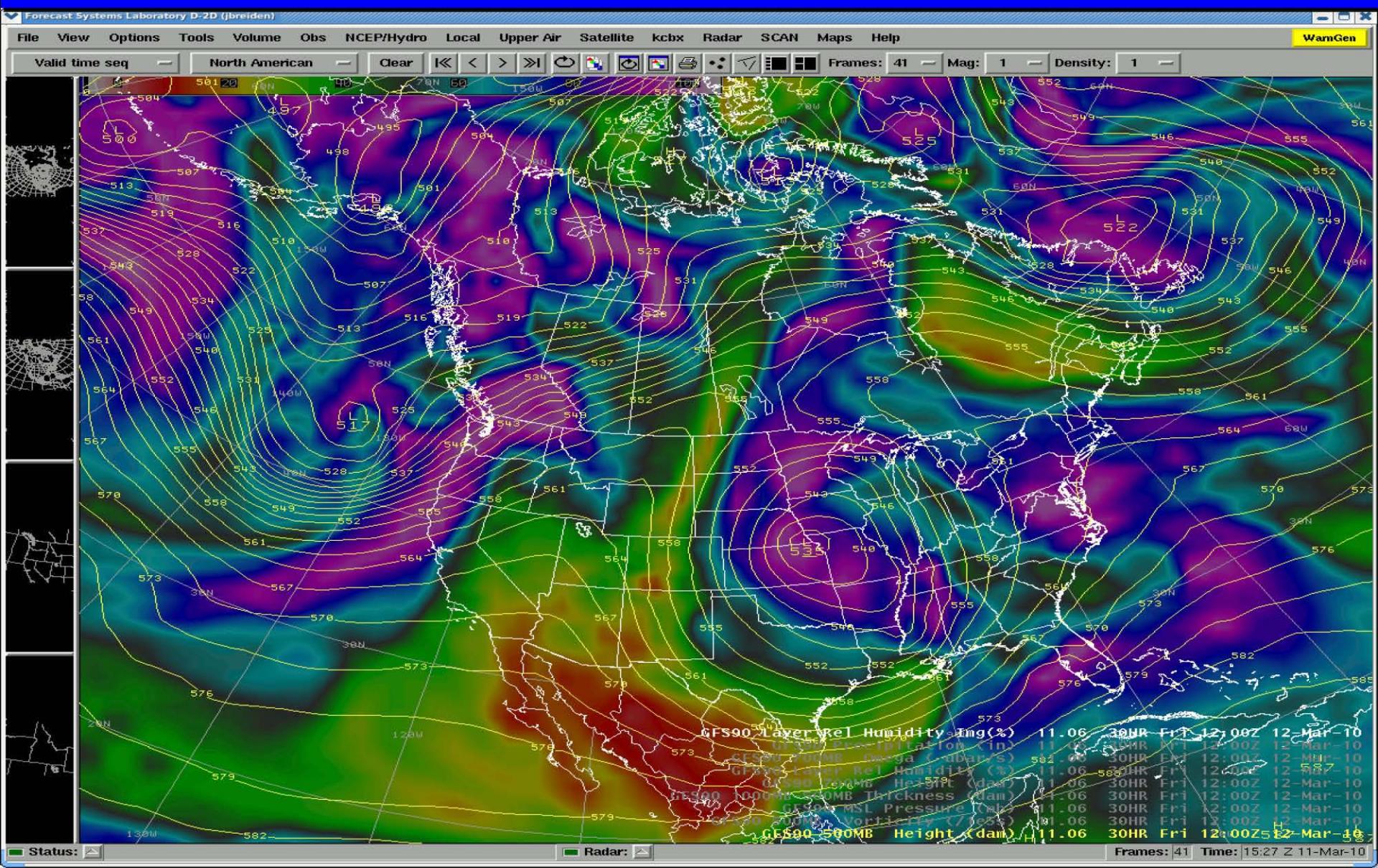
Thursday - Mar 11th

500 mb heights / model precipitation

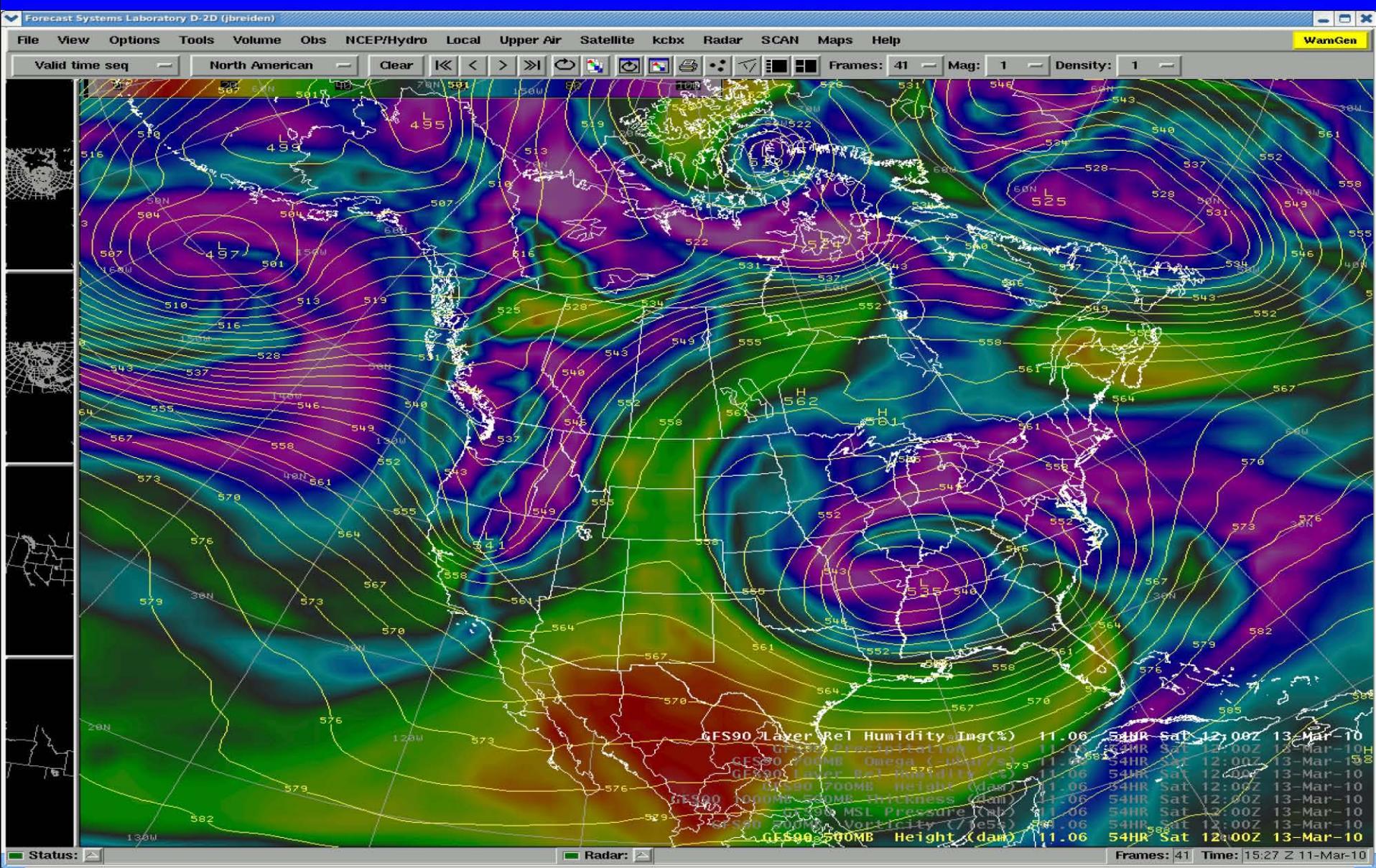


Friday, Mar 12th

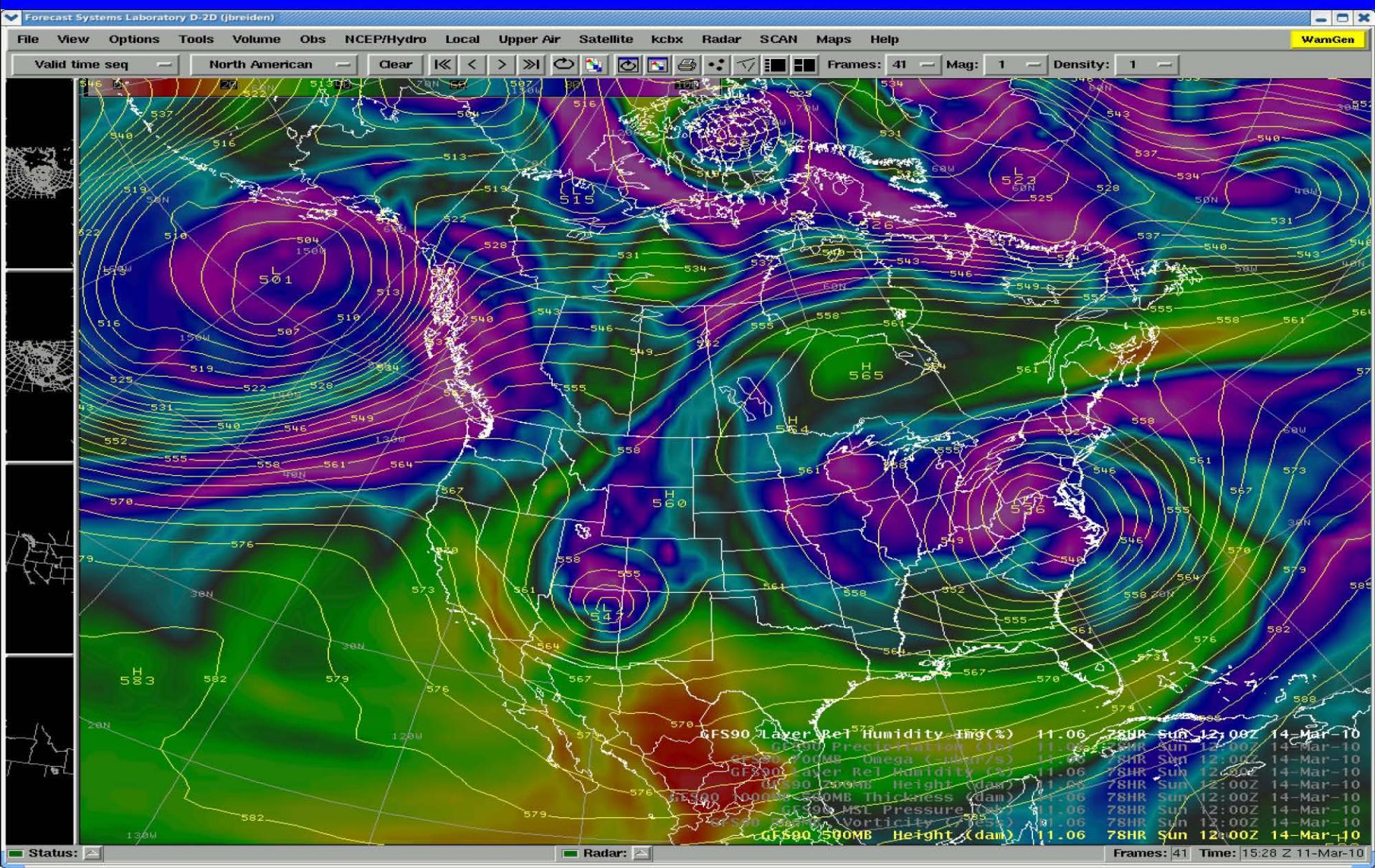
500 mb heights / model precipitation



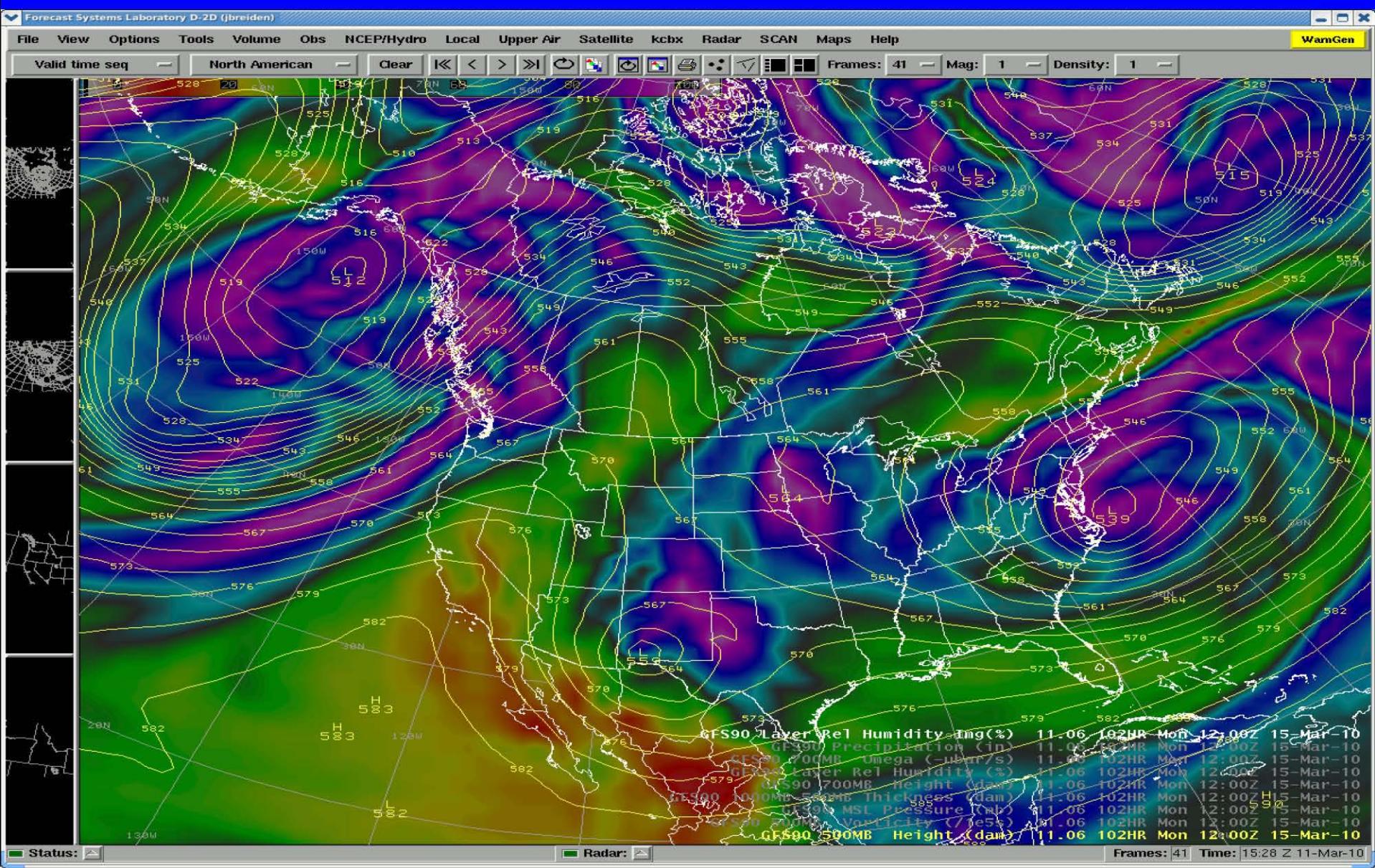
Saturday, Mar 13th



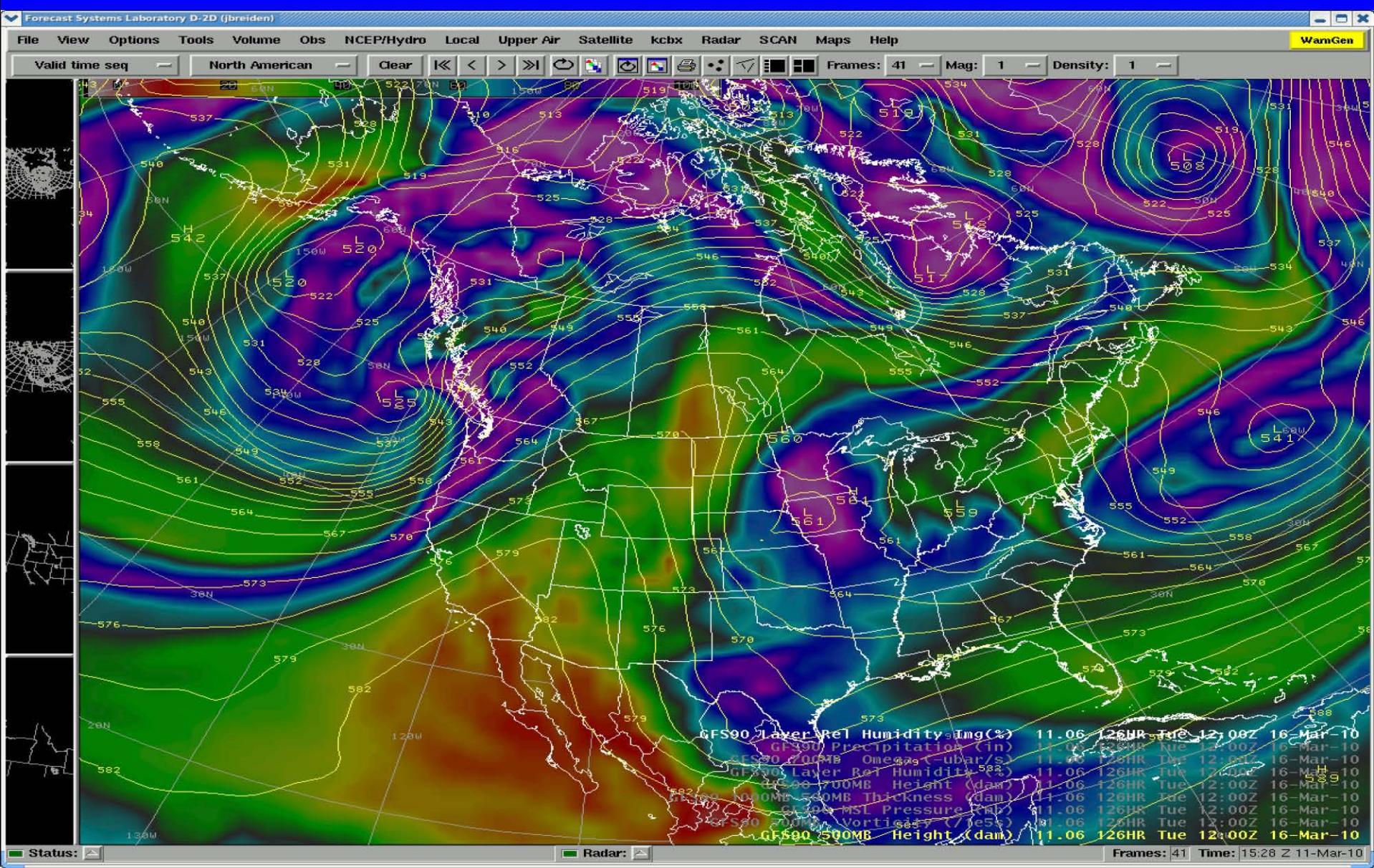
Sunday, Mar 14th



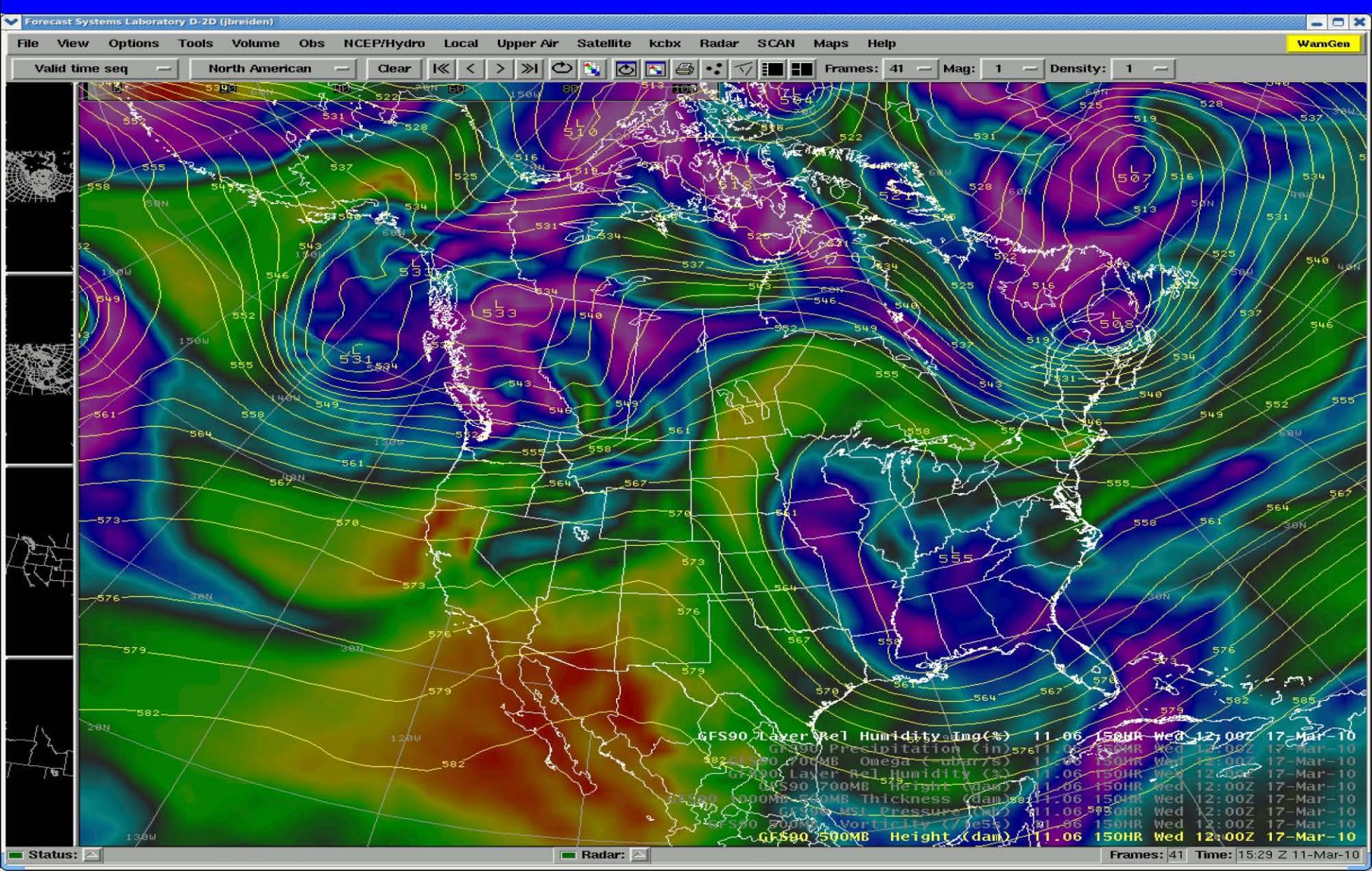
Monday, Mar 15th



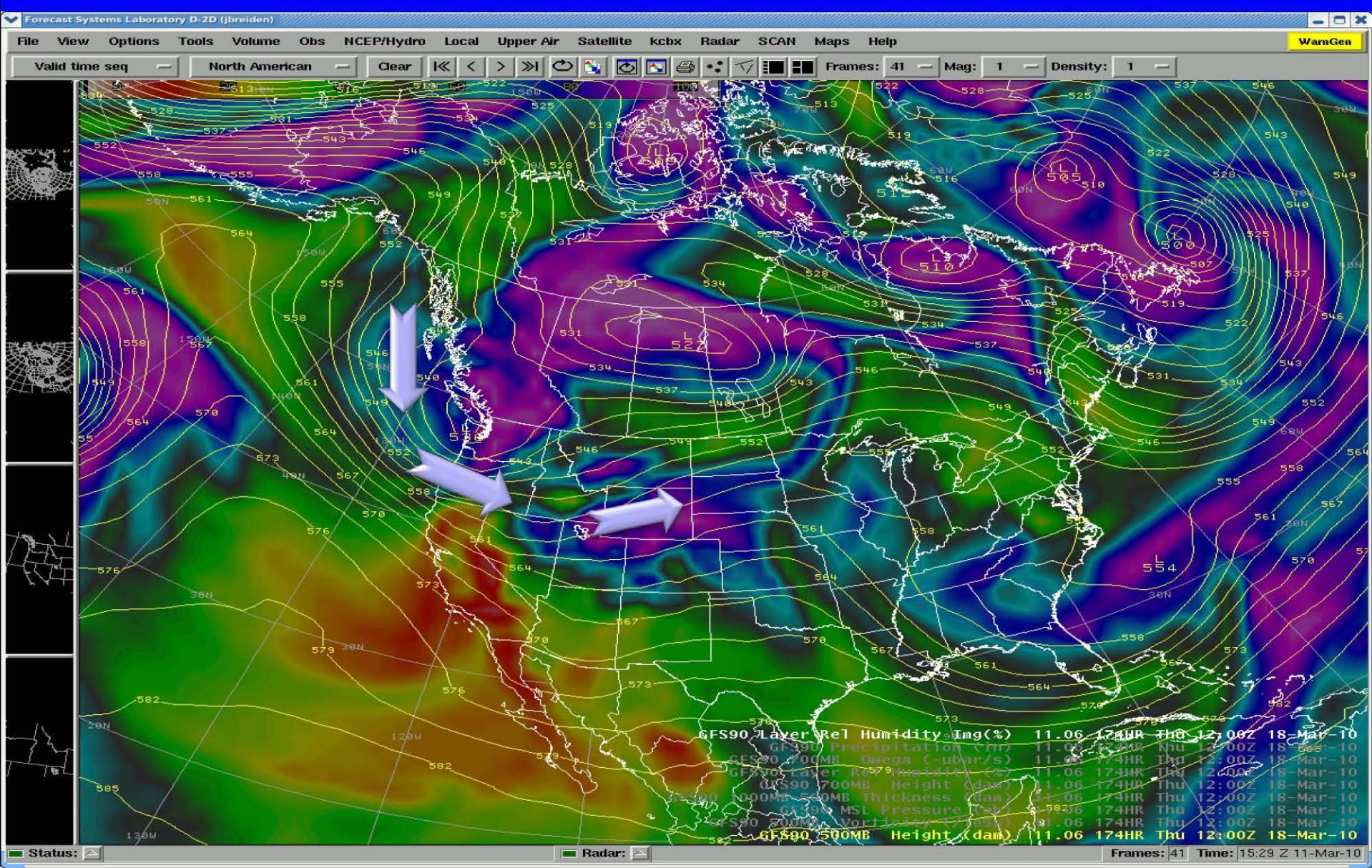
Tuesday, Mar 16th



Wednesday, Mar 17th



Thursday, Mar 18th

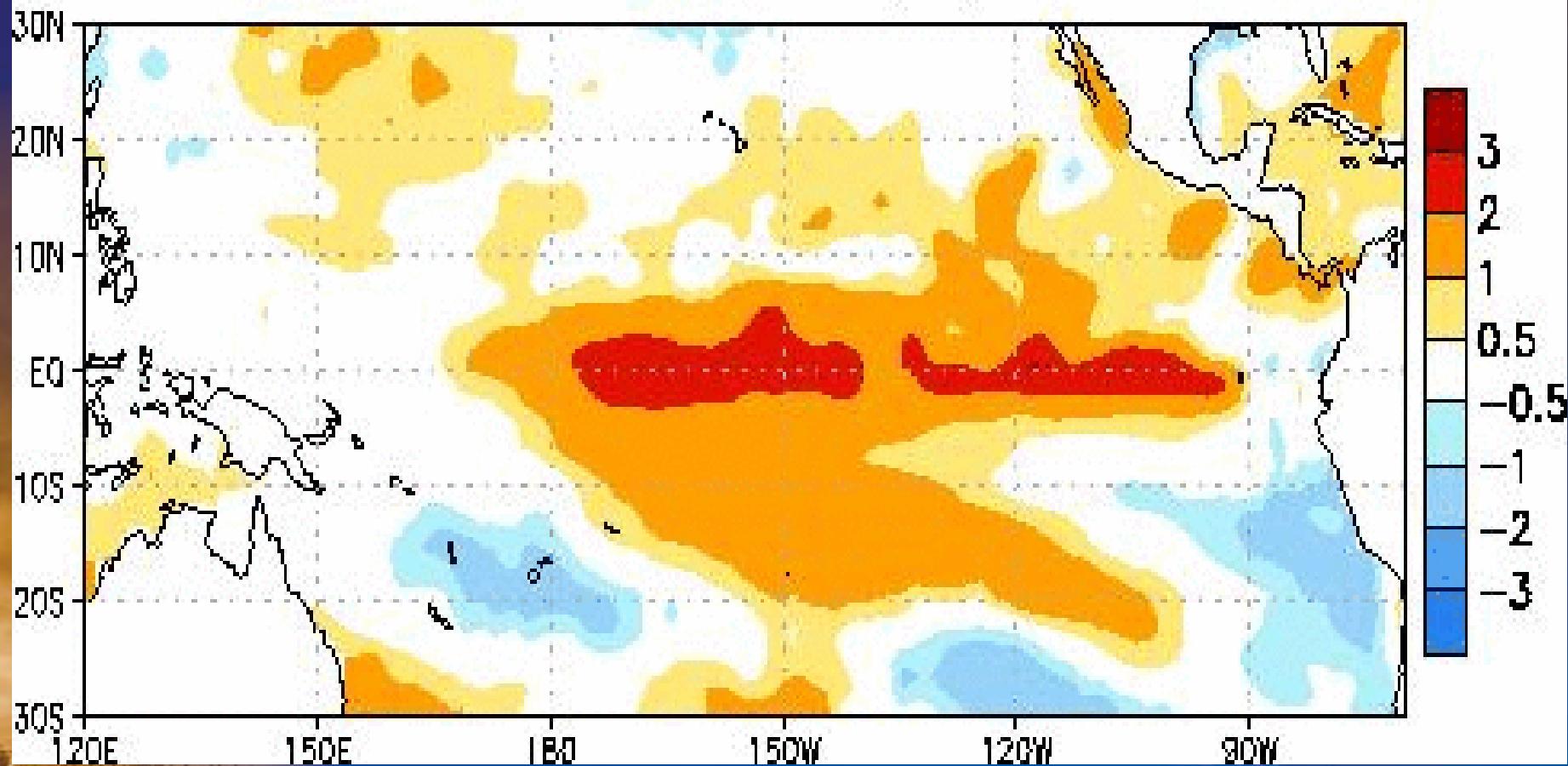




Equatorial Sea Surface Temperature Anomalies

Week centered on 16 DEC 2009

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

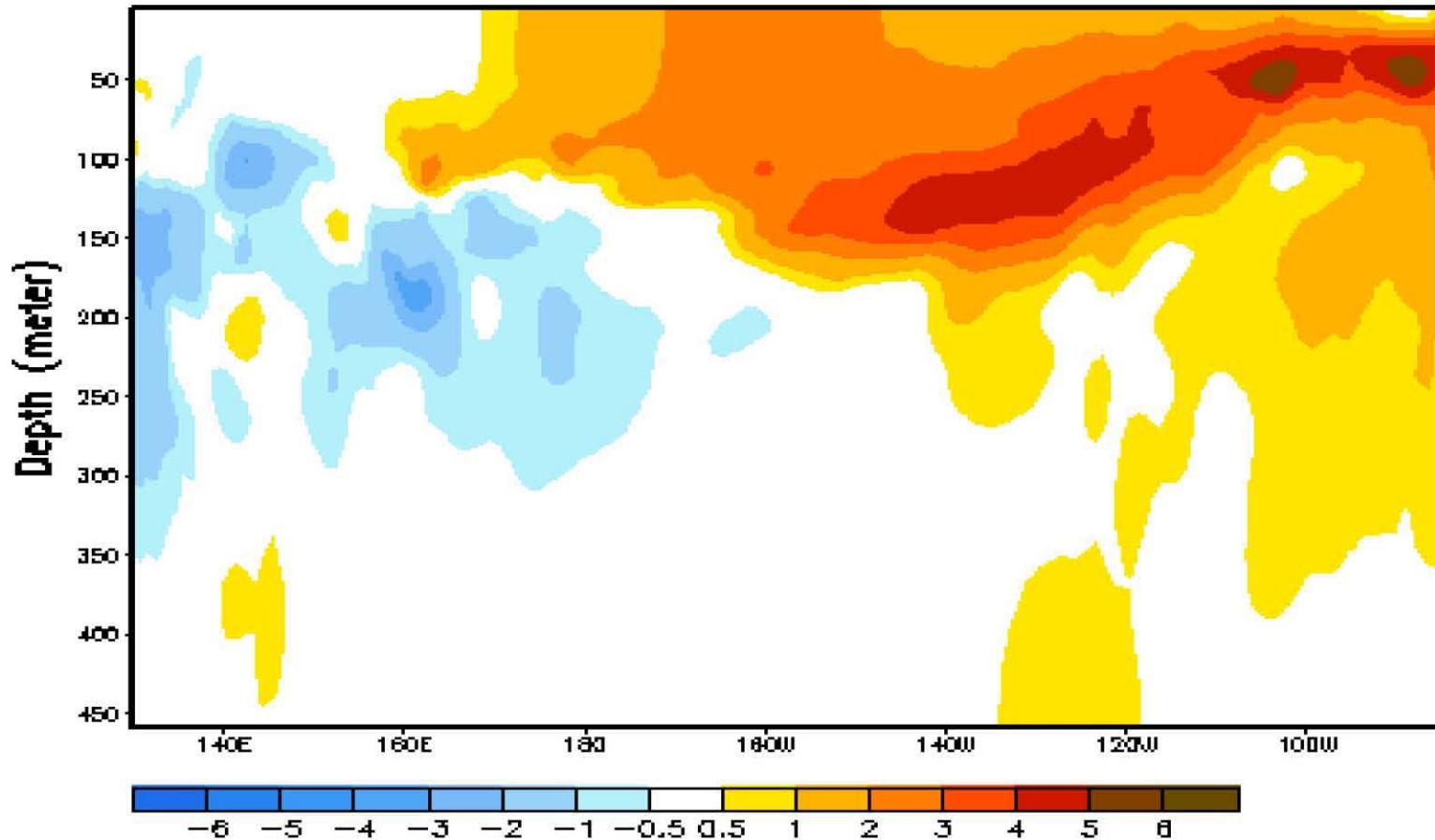




Warm sub-surface anomaly along equator

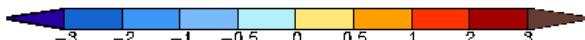
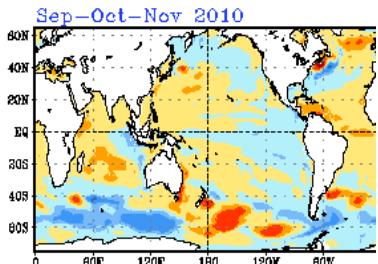
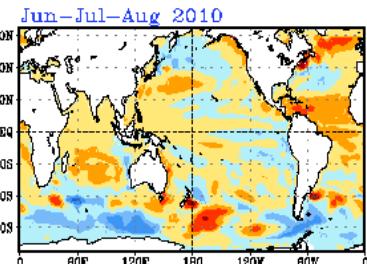
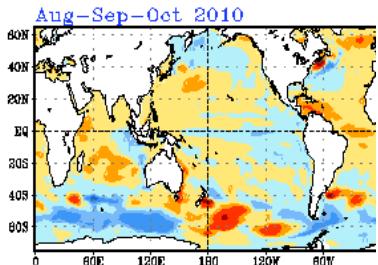
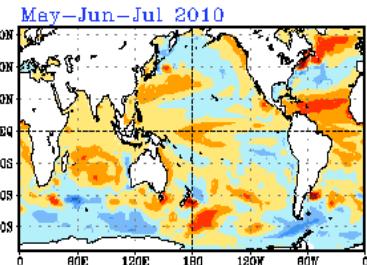
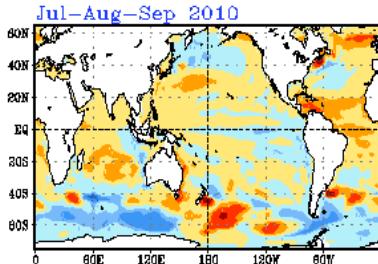
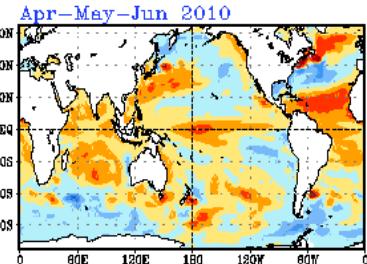
Equatorial Temperature Anomaly ($^{\circ}\text{C}$)

Pentad centered on 03 JAN 2010



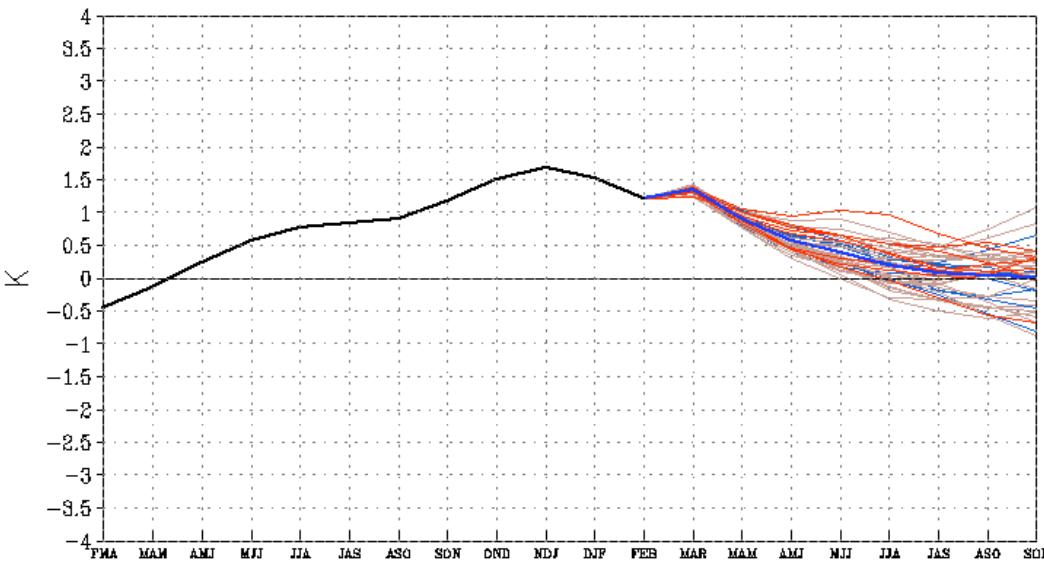
SST Outlook: NCEP CFS Forecast

Issued 31 January 2010

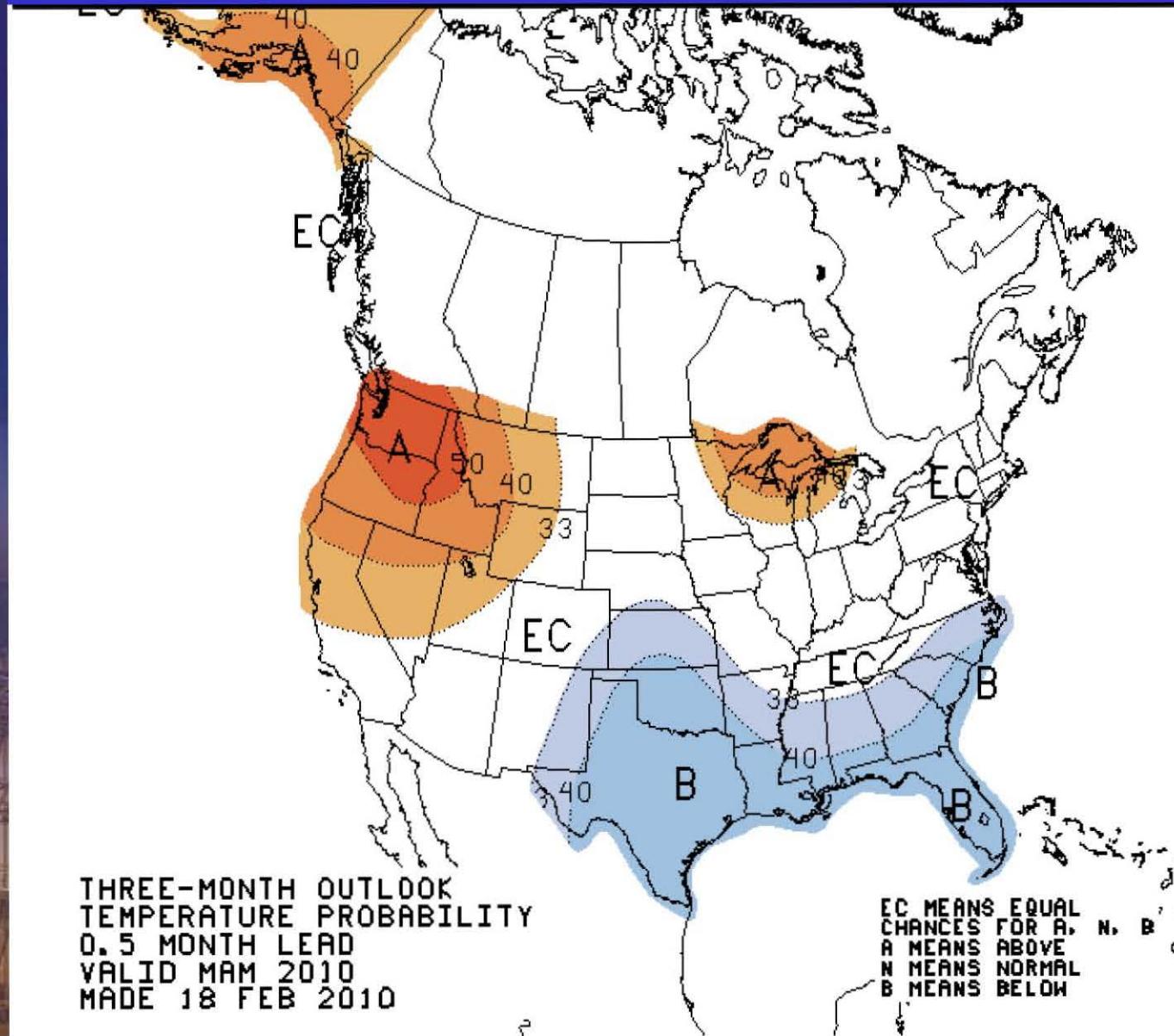


The CFS ensemble mean (heavy blue line) predicts El Niño will last through the Northern Hemisphere summer 2010.

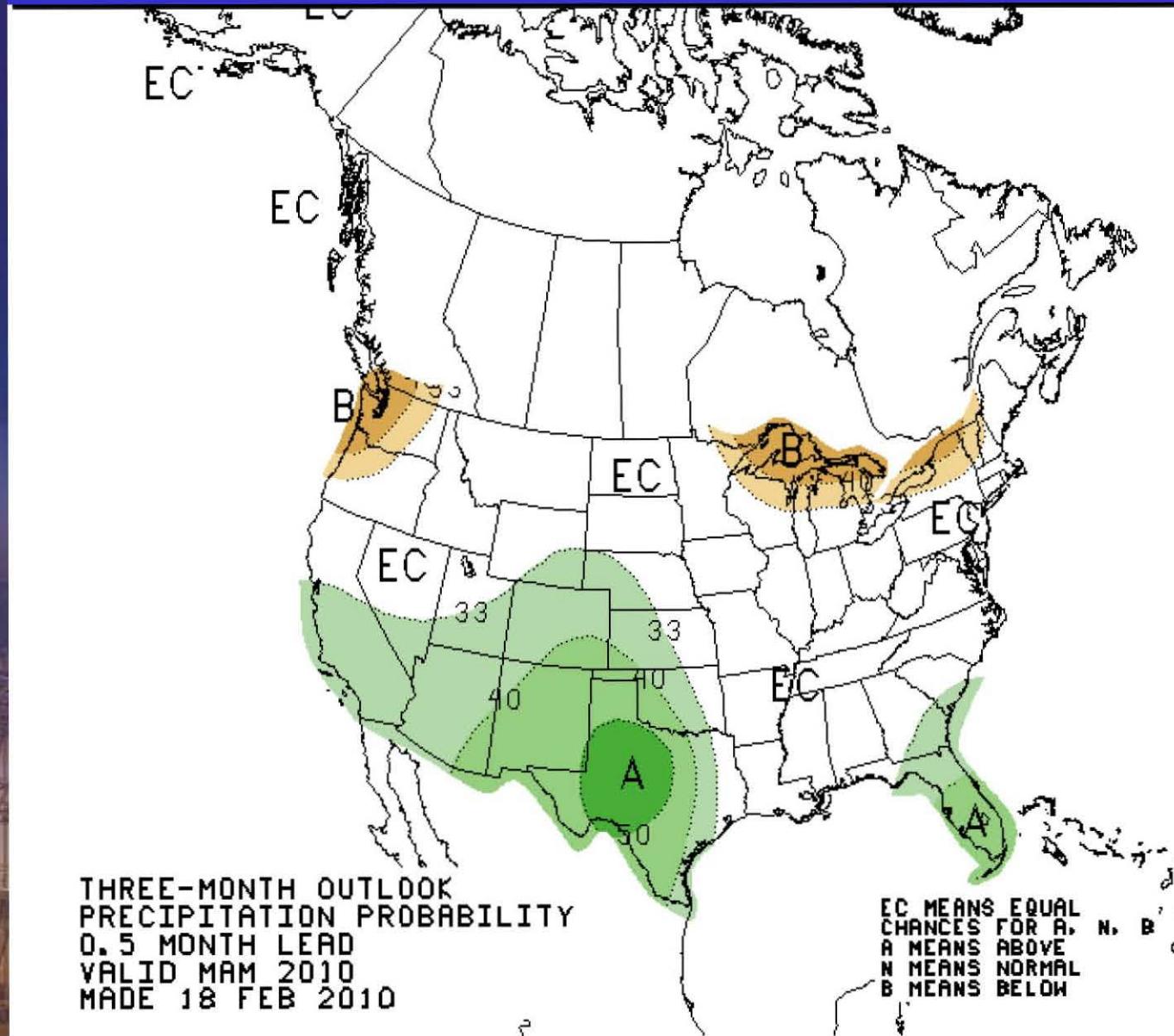
PDF correction: Forecast Niño3.4 SST anomalies from CFS



Three Month Outlook (Mar-May) Temperatures



Three Month Outlook (Mar-May) Precipitation



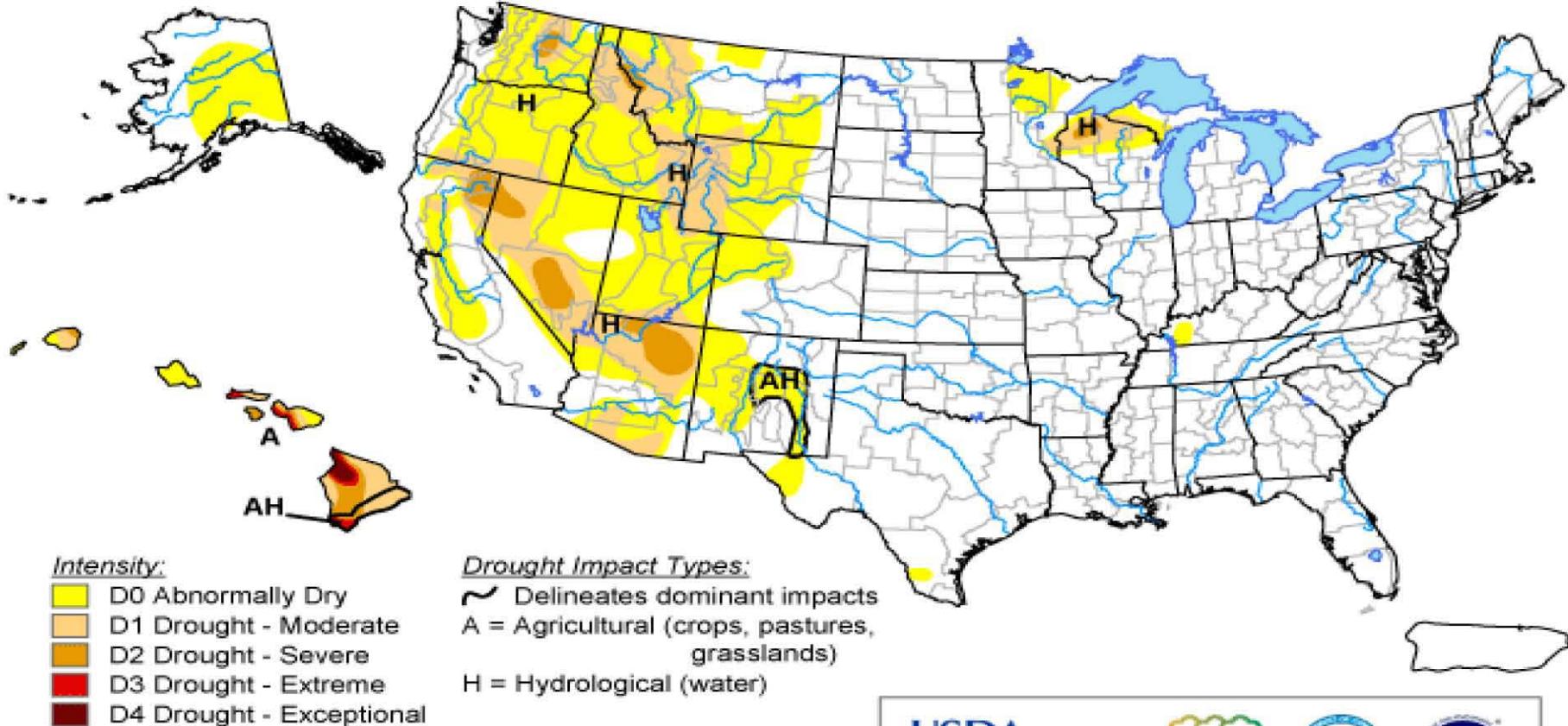


Drought Situation



U.S. Drought Monitor

March 2, 2010
Valid 7 a.m. EST



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, March 4, 2010
Author: Rich Tinker, NOAA/NWS/NCEP/CPC



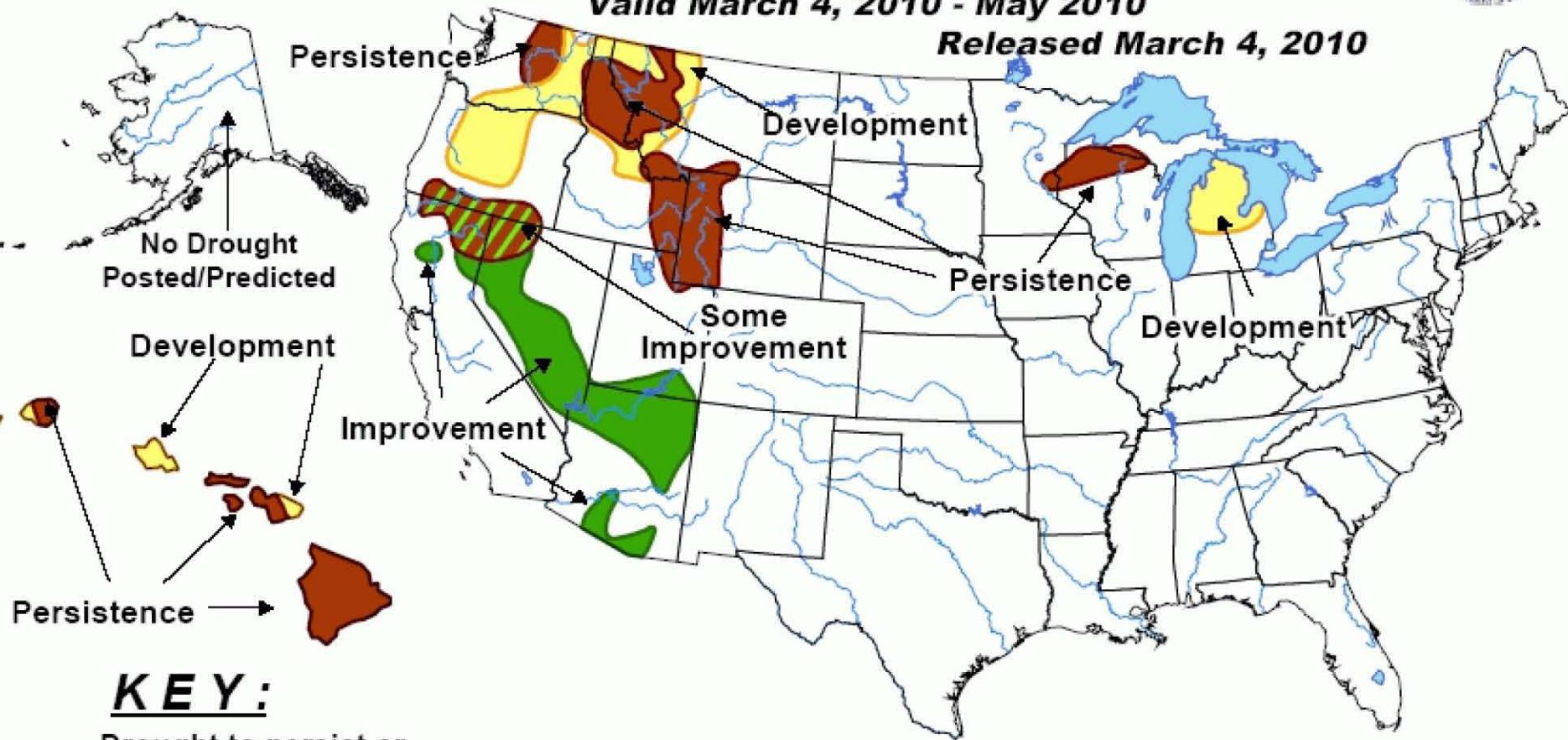
U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid March 4, 2010 - May 2010



Released March 4, 2010



KEY:

Drought to persist or intensify

Drought ongoing, some improvement

Drought likely to improve, impacts ease

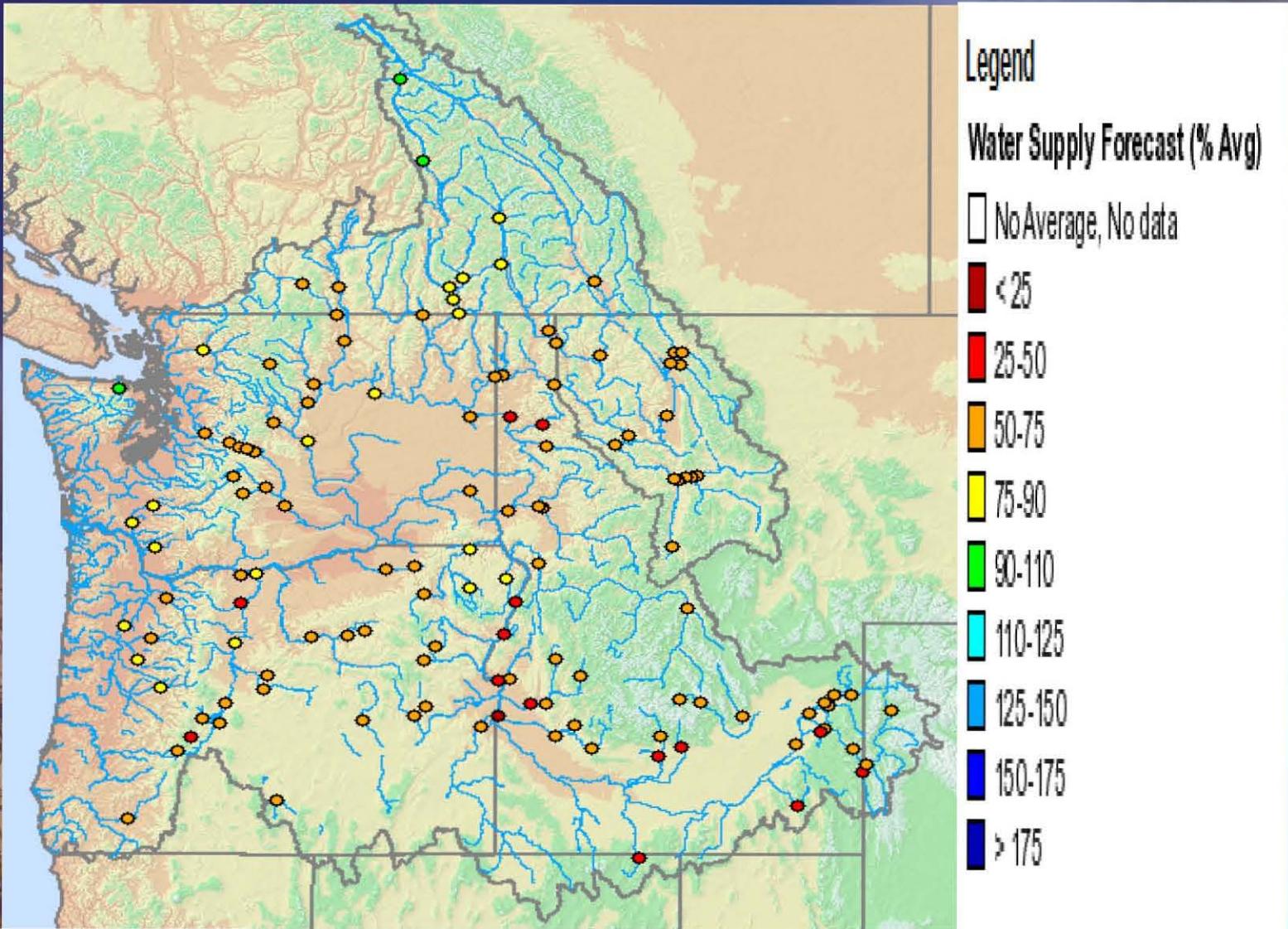
Drought development likely

No Drought Posted/Predicted

Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Short-term events -- such as individual storms -- cannot be accurately forecast more than a few days in advance. Use caution for applications -- such as crops -- that can be affected by such events. "Ongoing" drought areas are approximated from the Drought Monitor (D1 to D4 intensity). For weekly drought updates, see the latest U.S. Drought Monitor. NOTE: the green improvement areas imply at least a 1-category improvement in the Drought Monitor intensity levels, but do not necessarily imply drought elimination.



Below Normal 2010 Water Supply





Idaho Spring Flood Outlook

- The probability of spring flooding related to snowmelt is below average
- Lack of low elevation snow pack also suggest a “well behaved” melt.
- Peak flows significantly reduced and early.

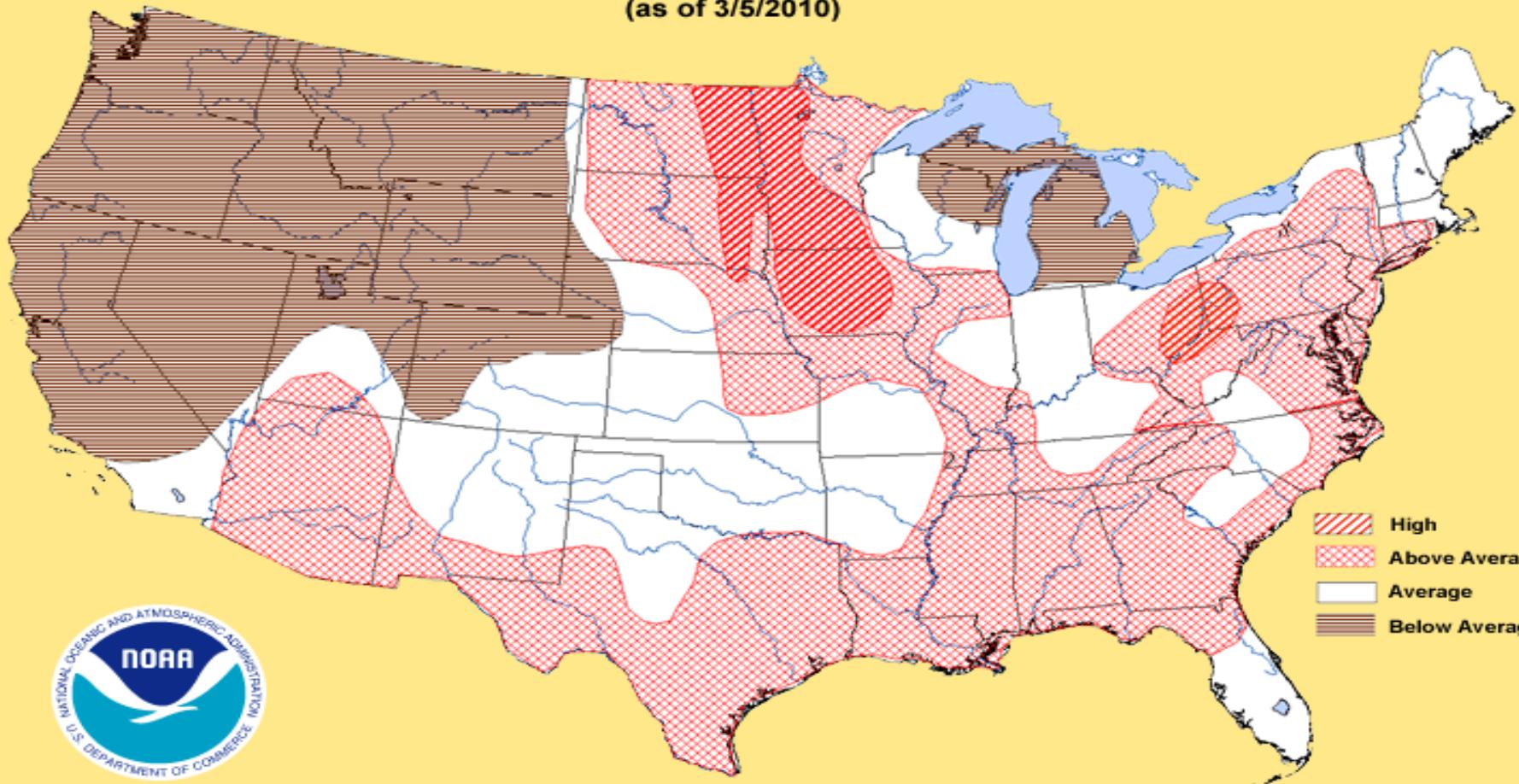


National Hydrologic Assessment



Flood Risk

(as of 3/5/2010)





Current Information on Web

www.weather.gov/boise

www.nwrfc.noaa.gov/westernwater