



Idaho Weather, Climate and Water Supply Outlook

IDWR Briefing, Jan 14th 2010

Jay Breidenbach, NOAA National Weather Service

Snow Accumulation Movie

Temperature and Precipitation Anomalies

River Ice

Forecast for next 10 days

El-Nino Status

Three Month Climate Outlook

Water Supply Numbers and Drought Summary



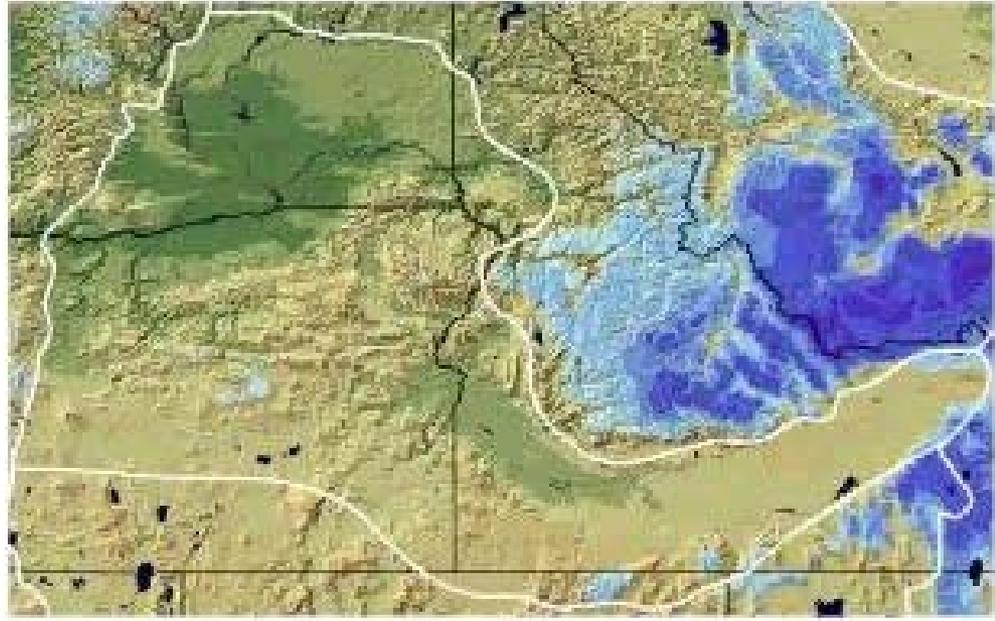
2009 Water Year Snow Accumulation Movie



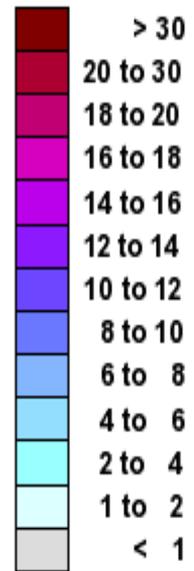
OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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NATIONAL SNOW 2008-2009 ANALYSIS 2009

Snow Water Equivalent
2009-10-01 00

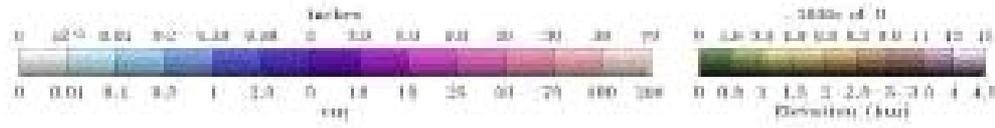


Inches of water equivalent



Not Estimated

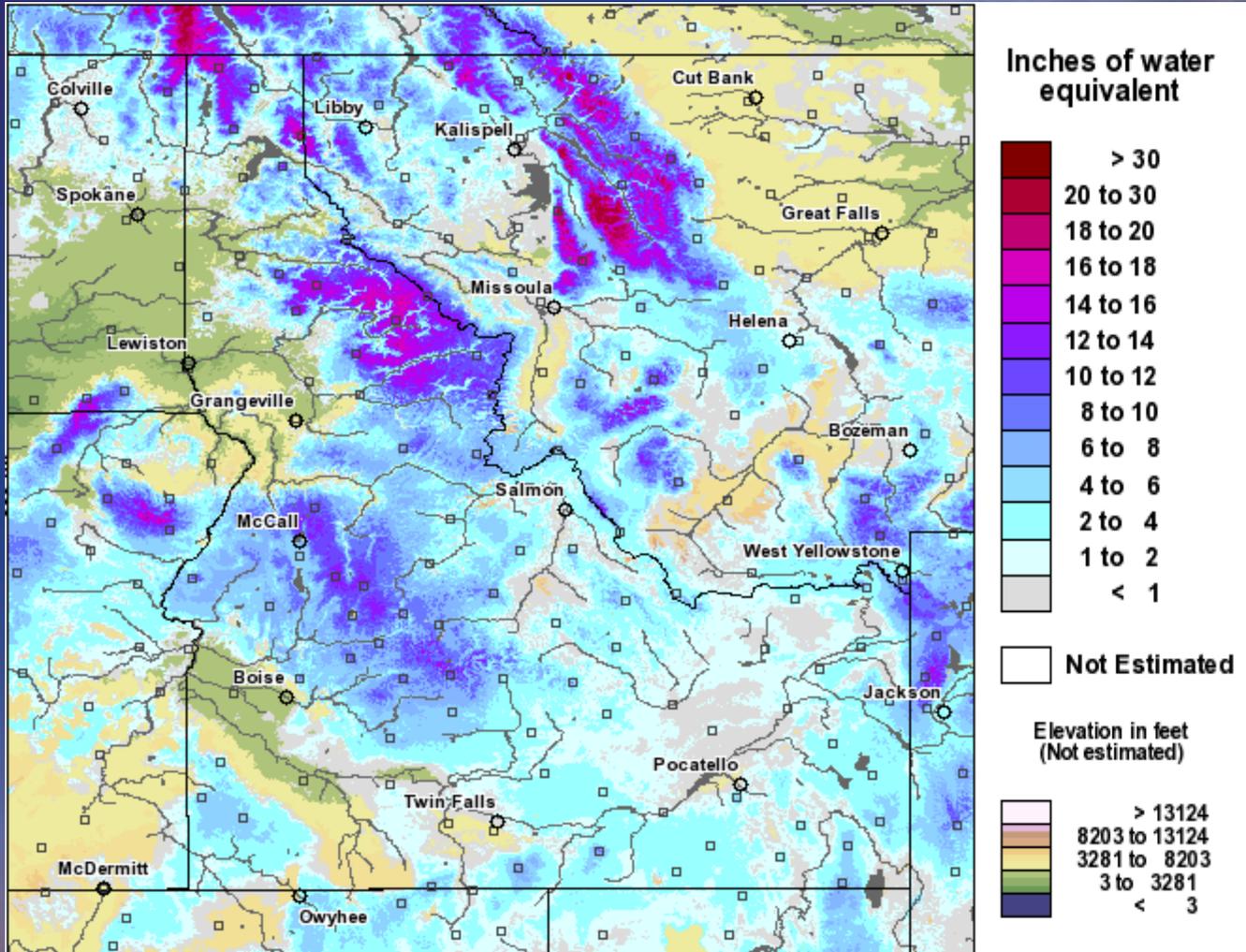
Elevation in feet
(Not estimated)



Stop Speed in ms: 200 Oct 1st, 05Z

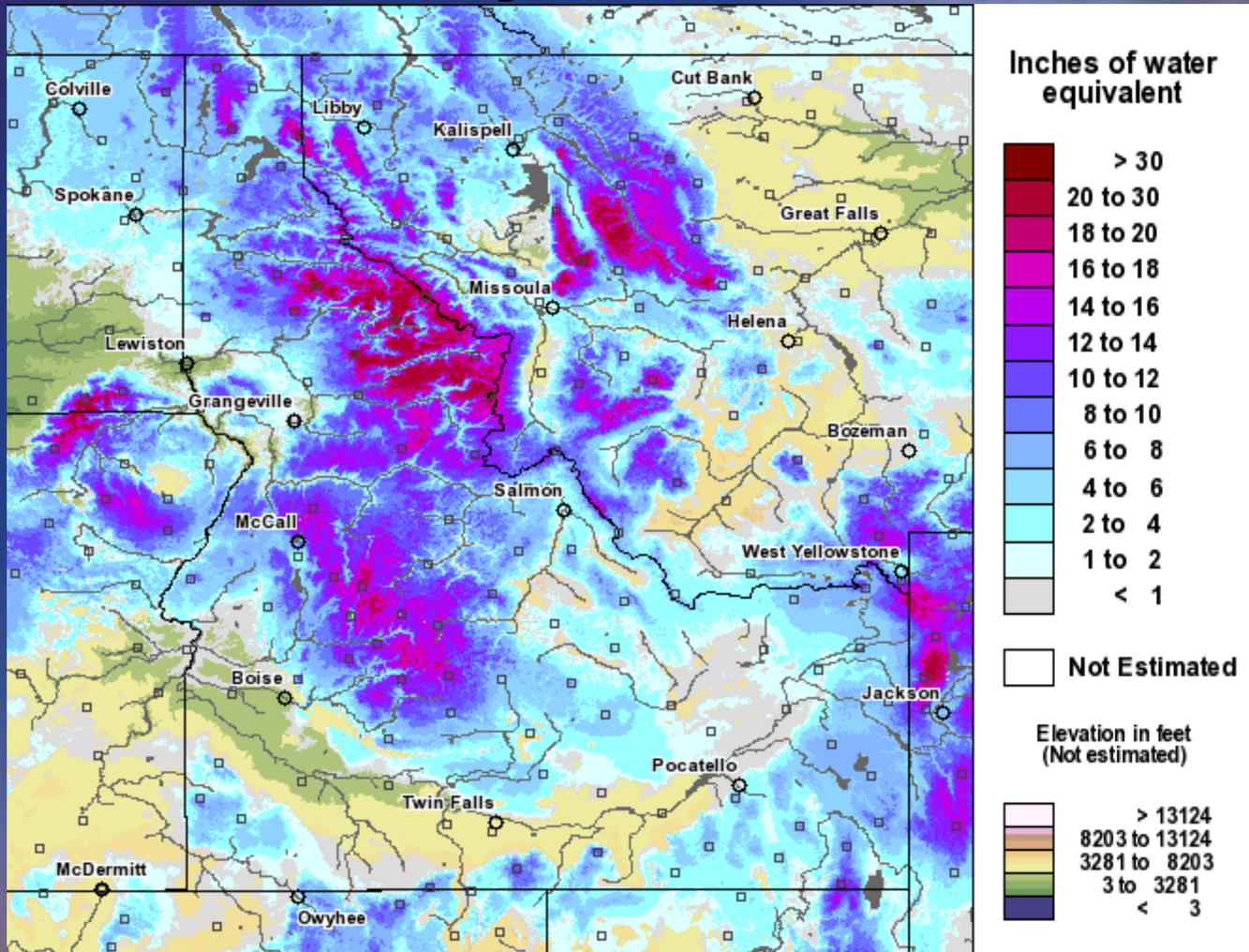


Snow Water Equivalent January 13th, 2010

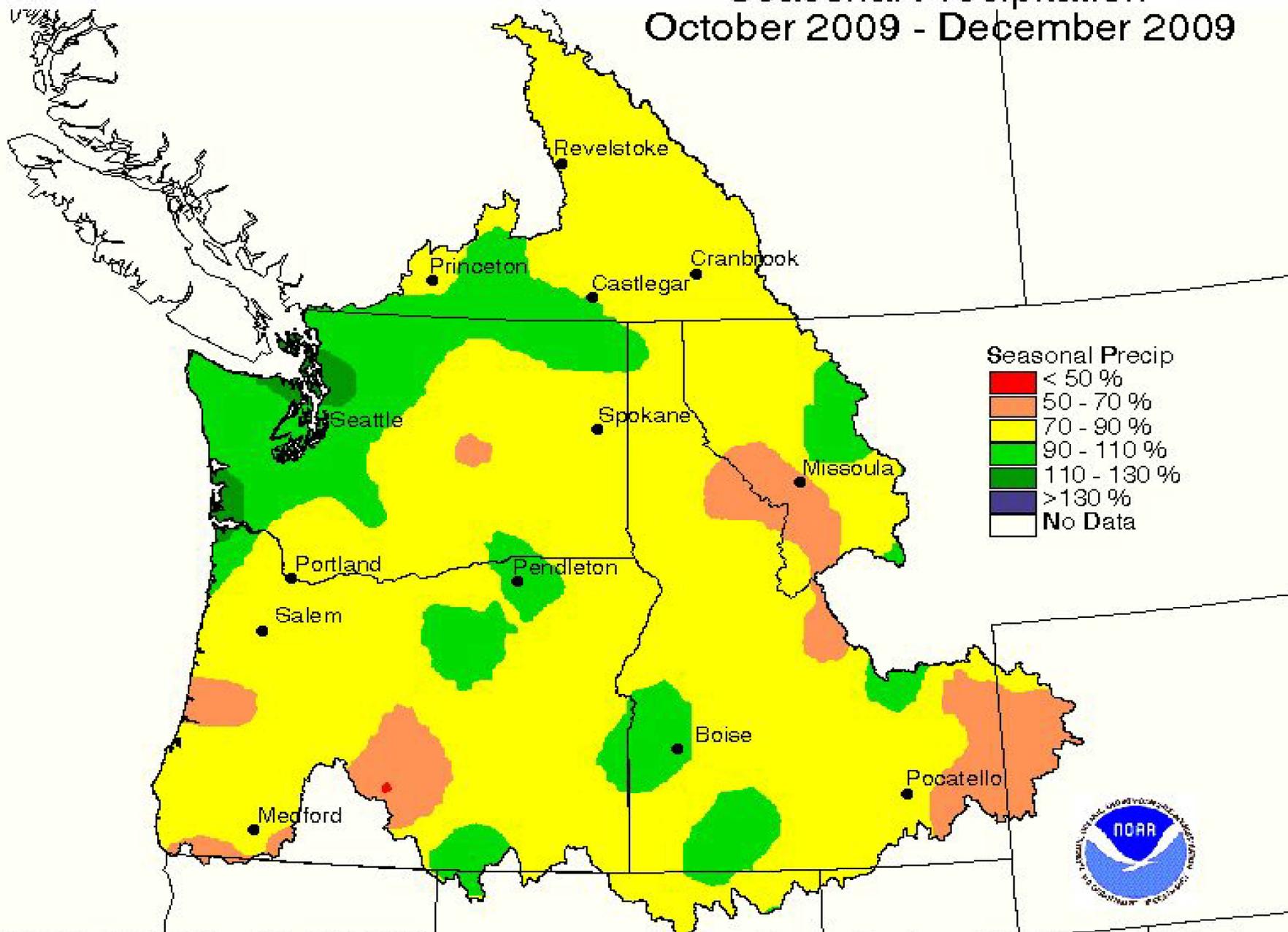




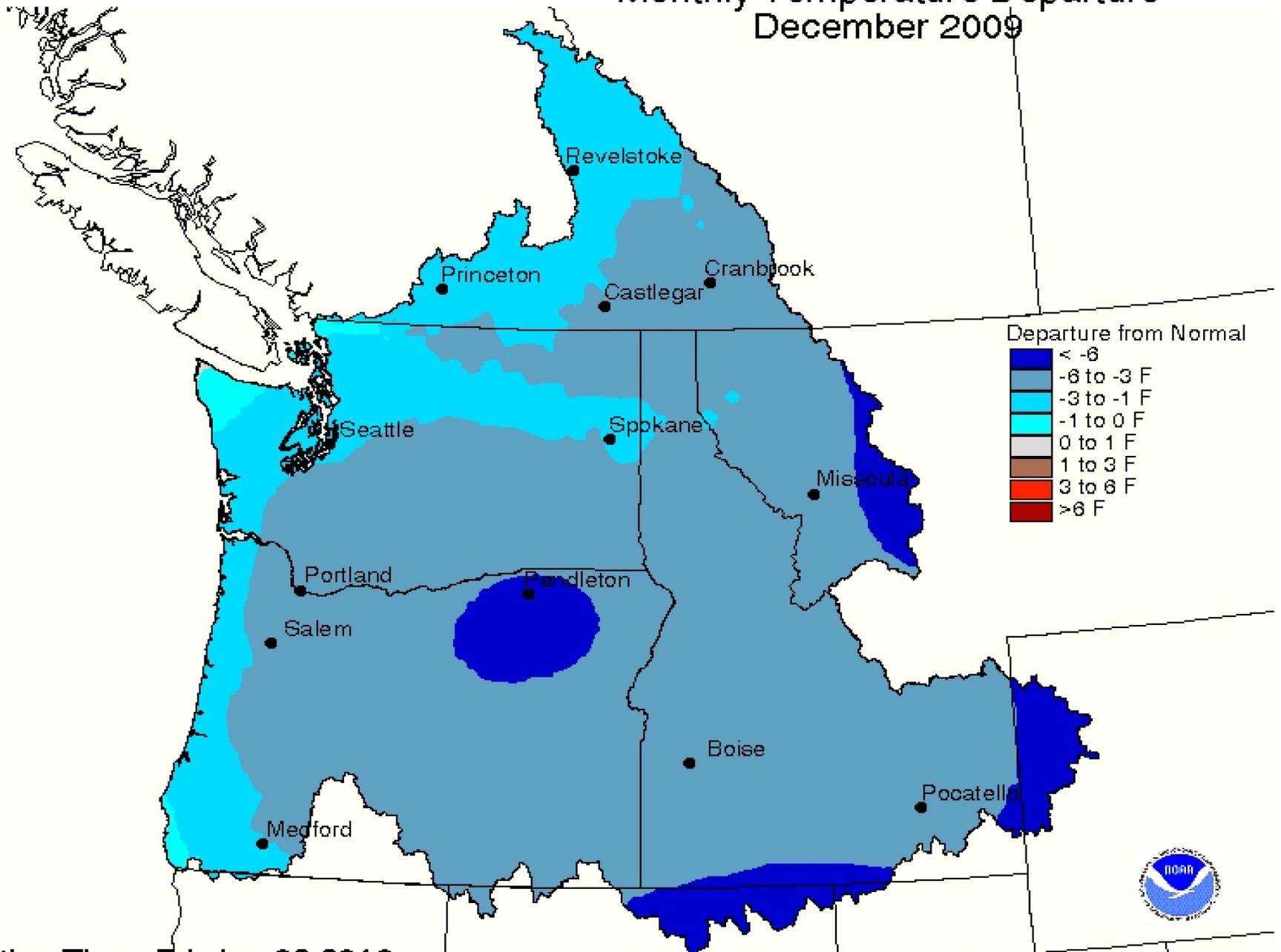
Snow Water Equivalent January 13th, 2009



Seasonal Precipitation October 2009 - December 2009



Monthly Temperature Departure December 2009

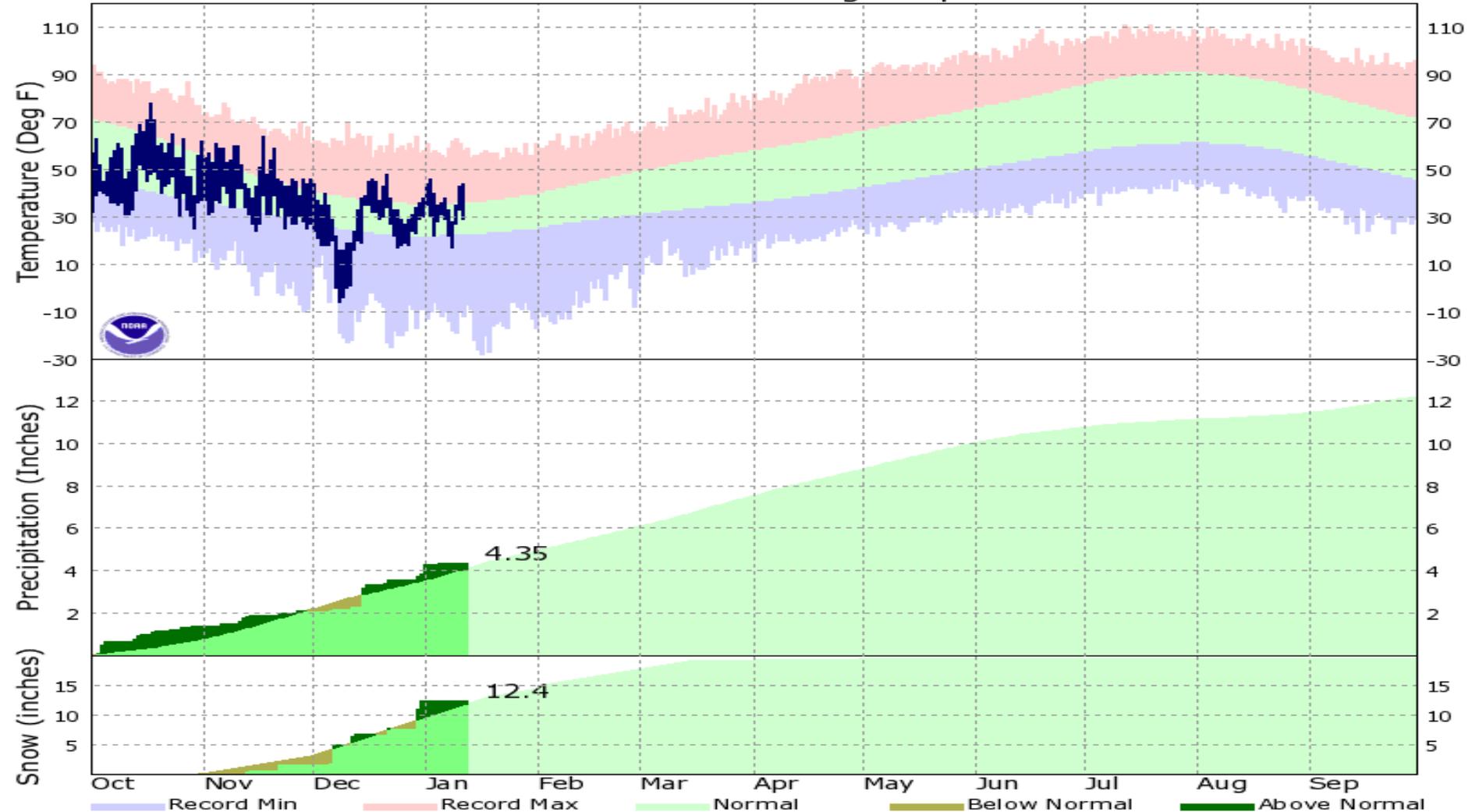




Temperature and Precipitation at Boise



KBOI - Oct 2009 Through Sep 2010



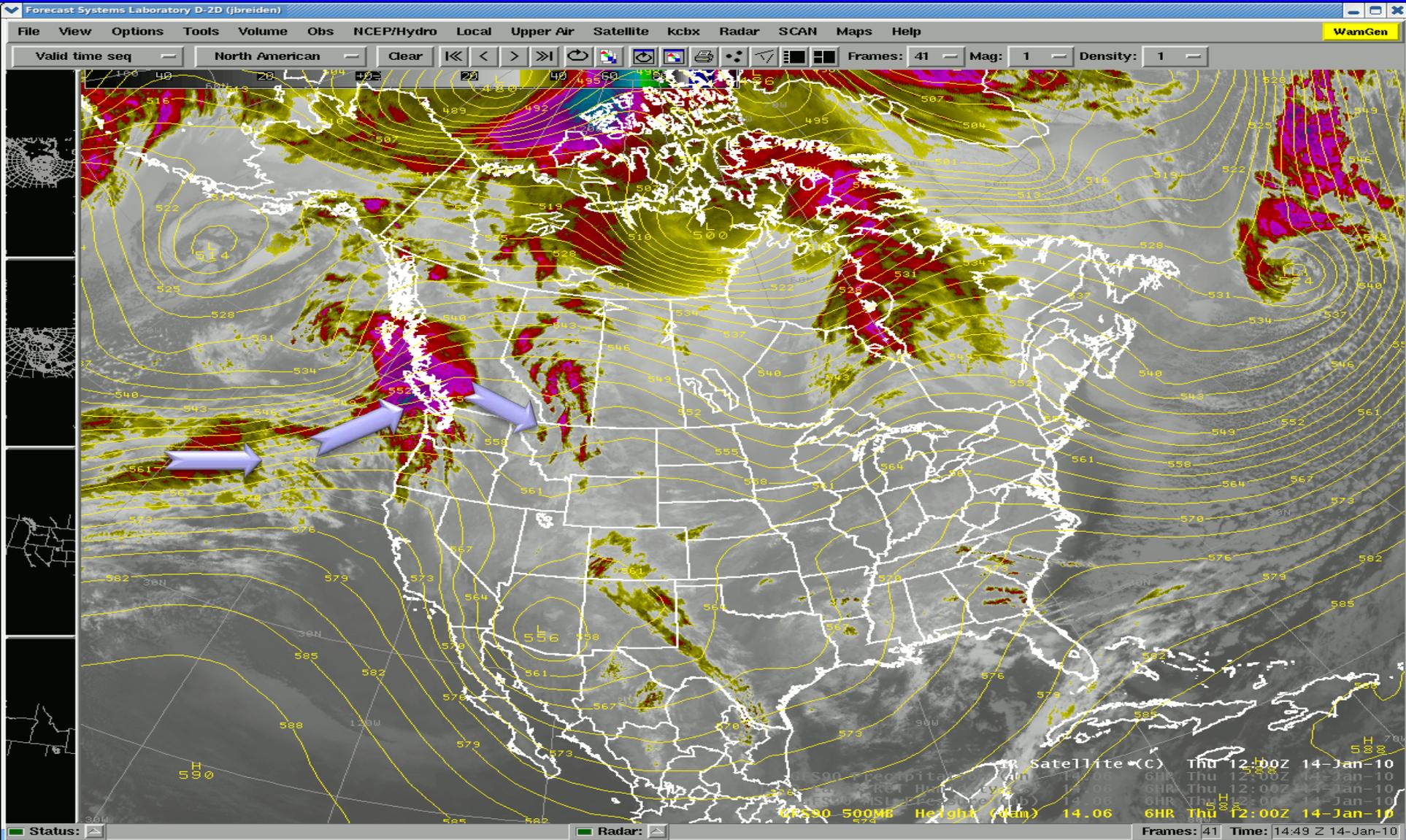


Salmon River Between Salmon and North Fork



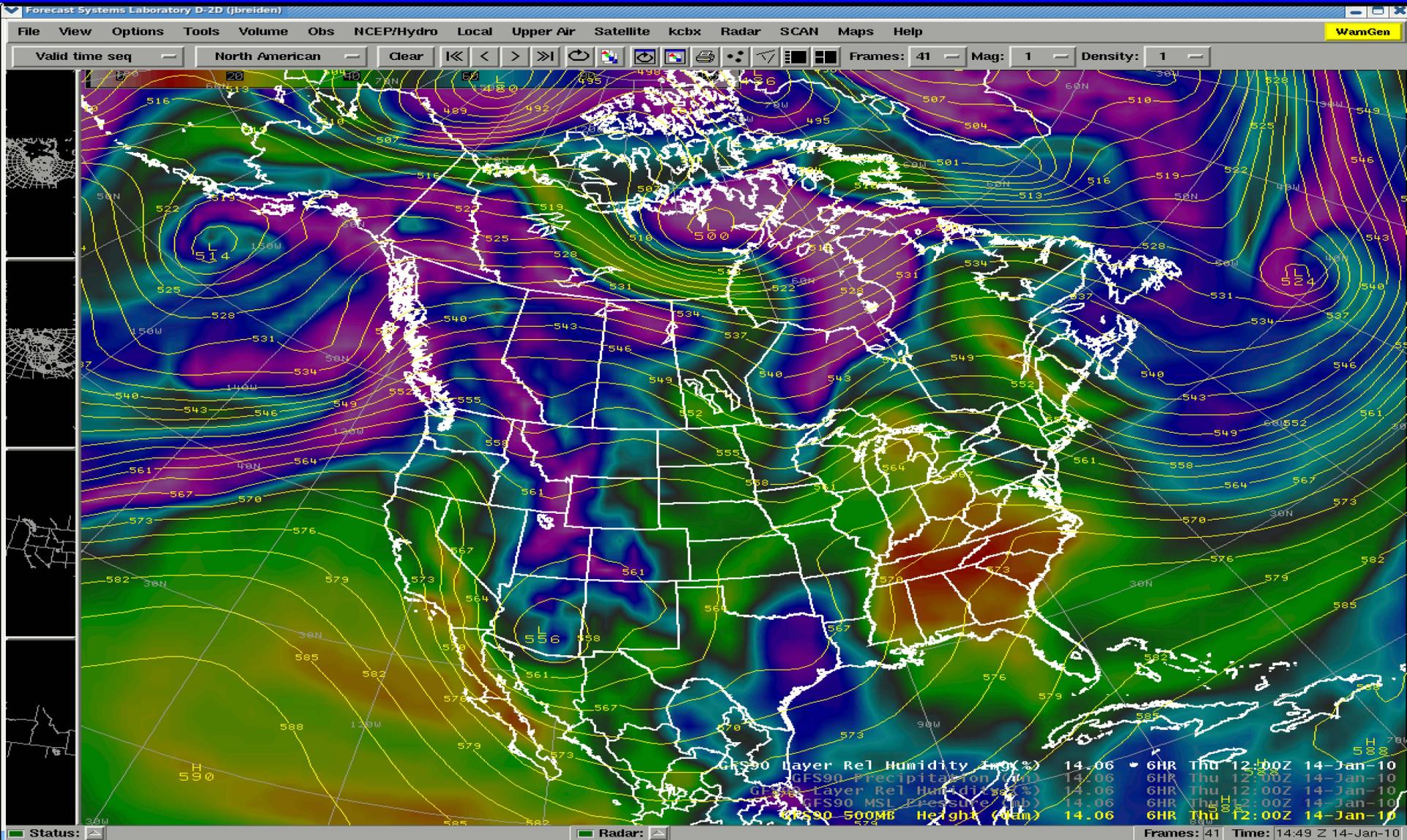
Thursday - Jan 14th

IR Satellite Imagery / 500 mb heights



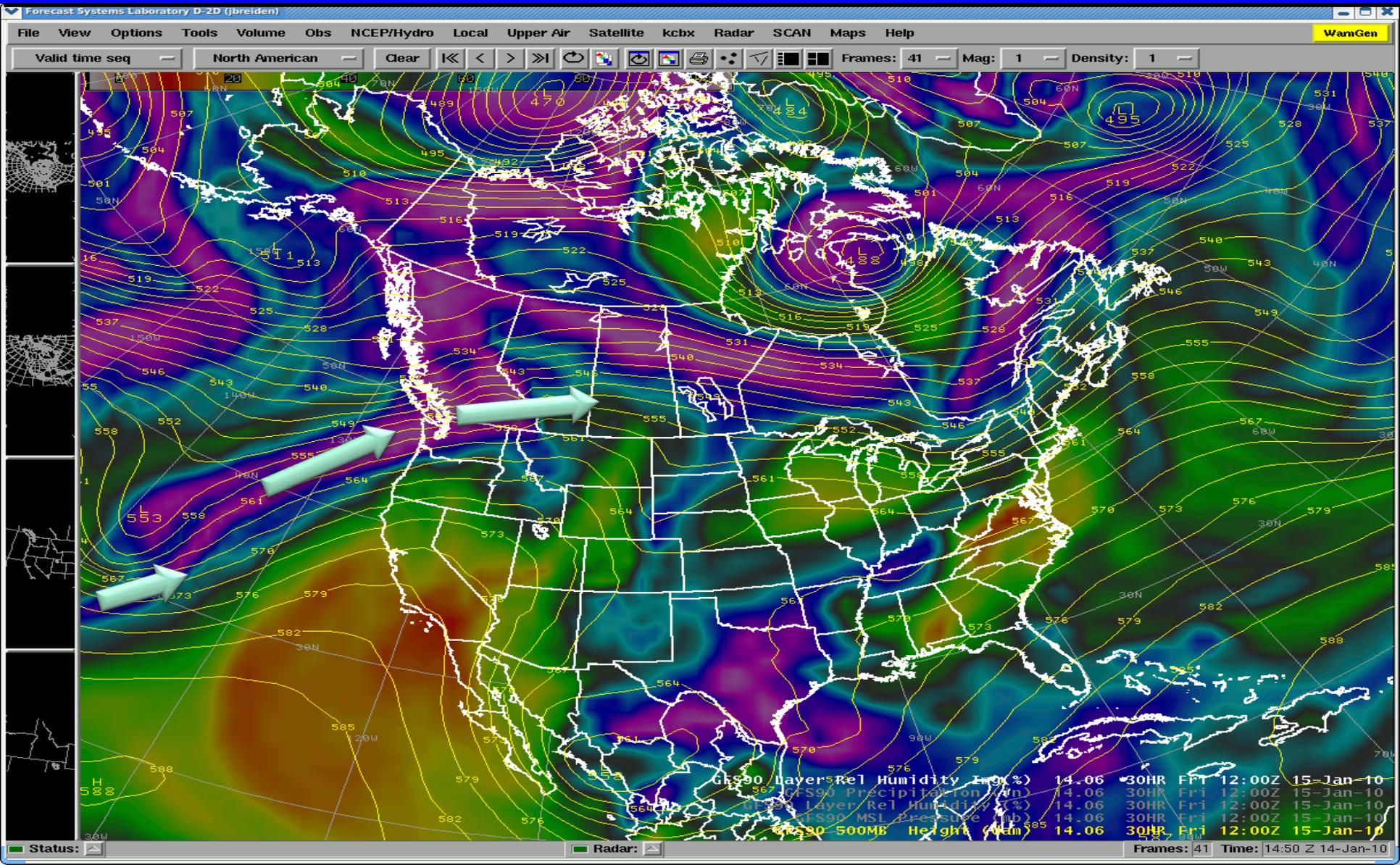
Thursday - Jan 14th

500 mb heights / model precipitation

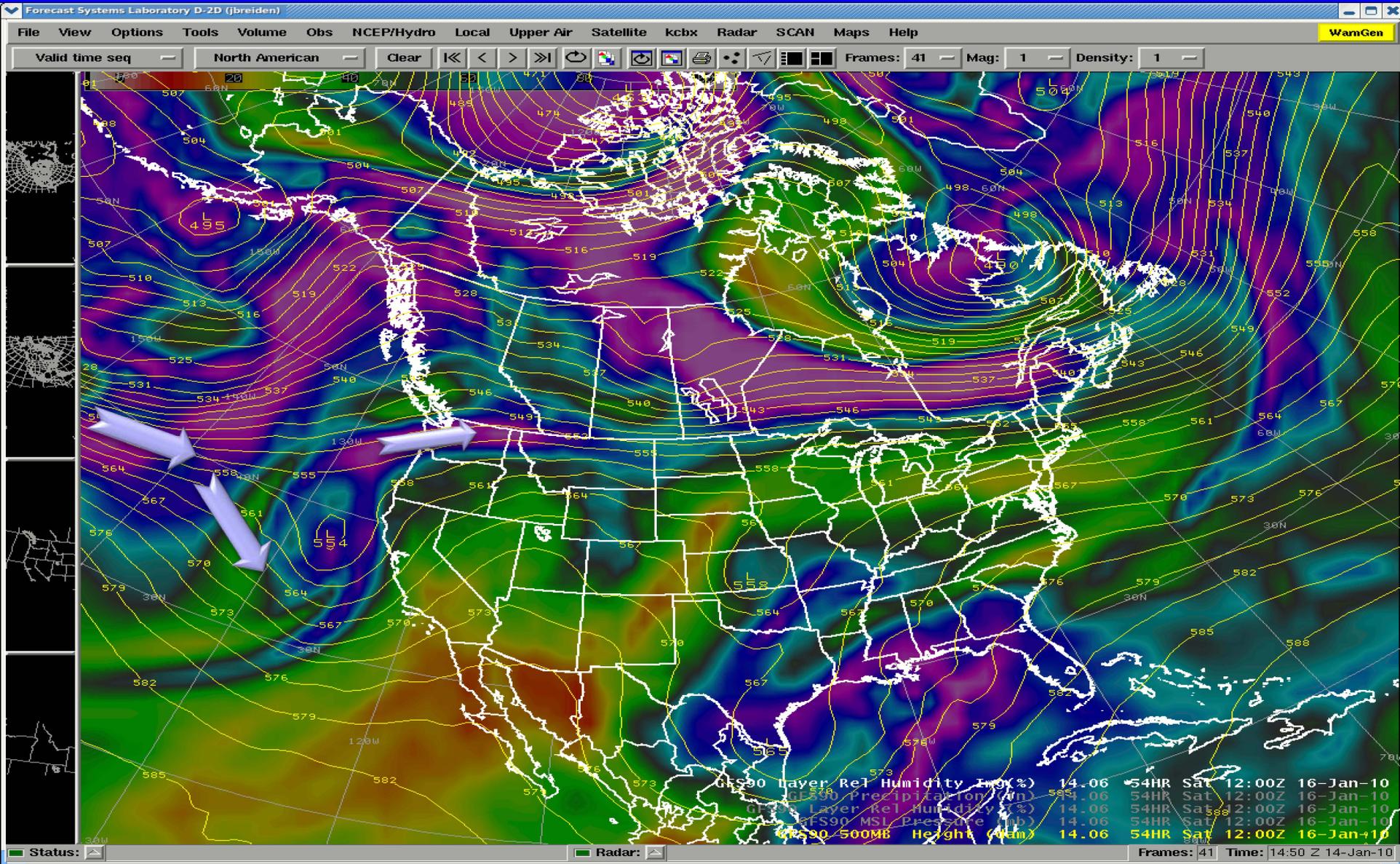


Friday, Jan 15th

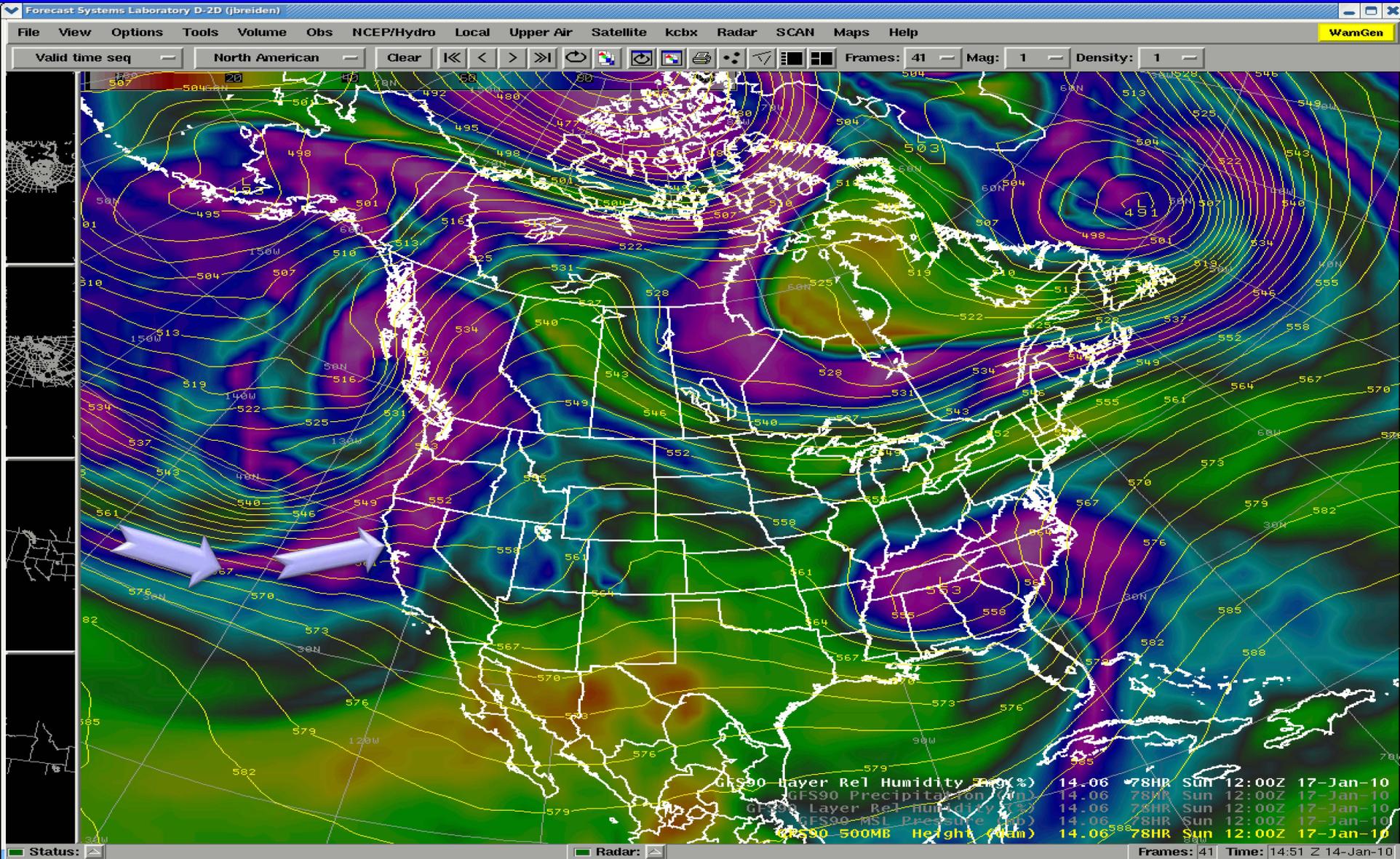
500 mb heights / model precipitation



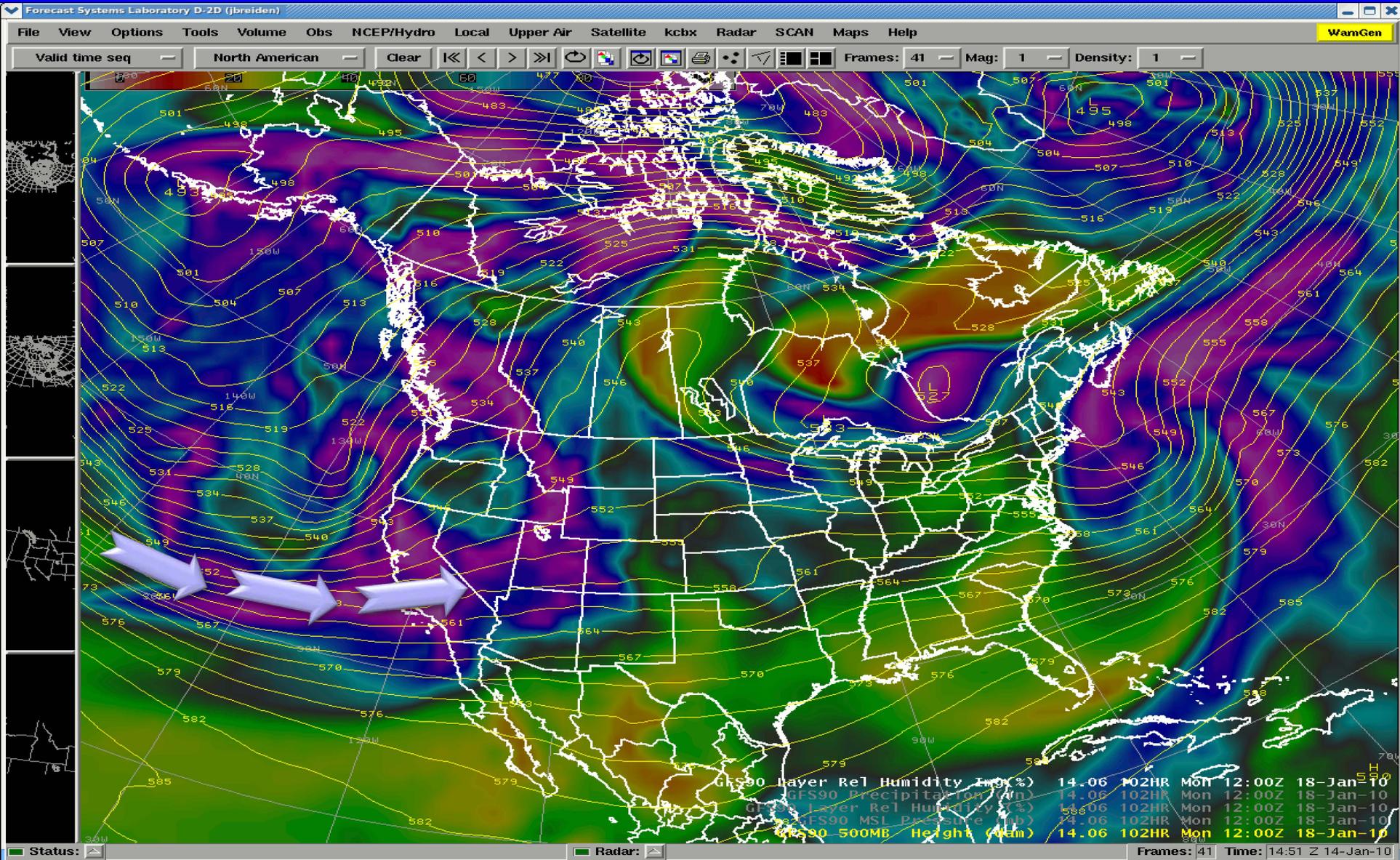
Saturday, January 16th



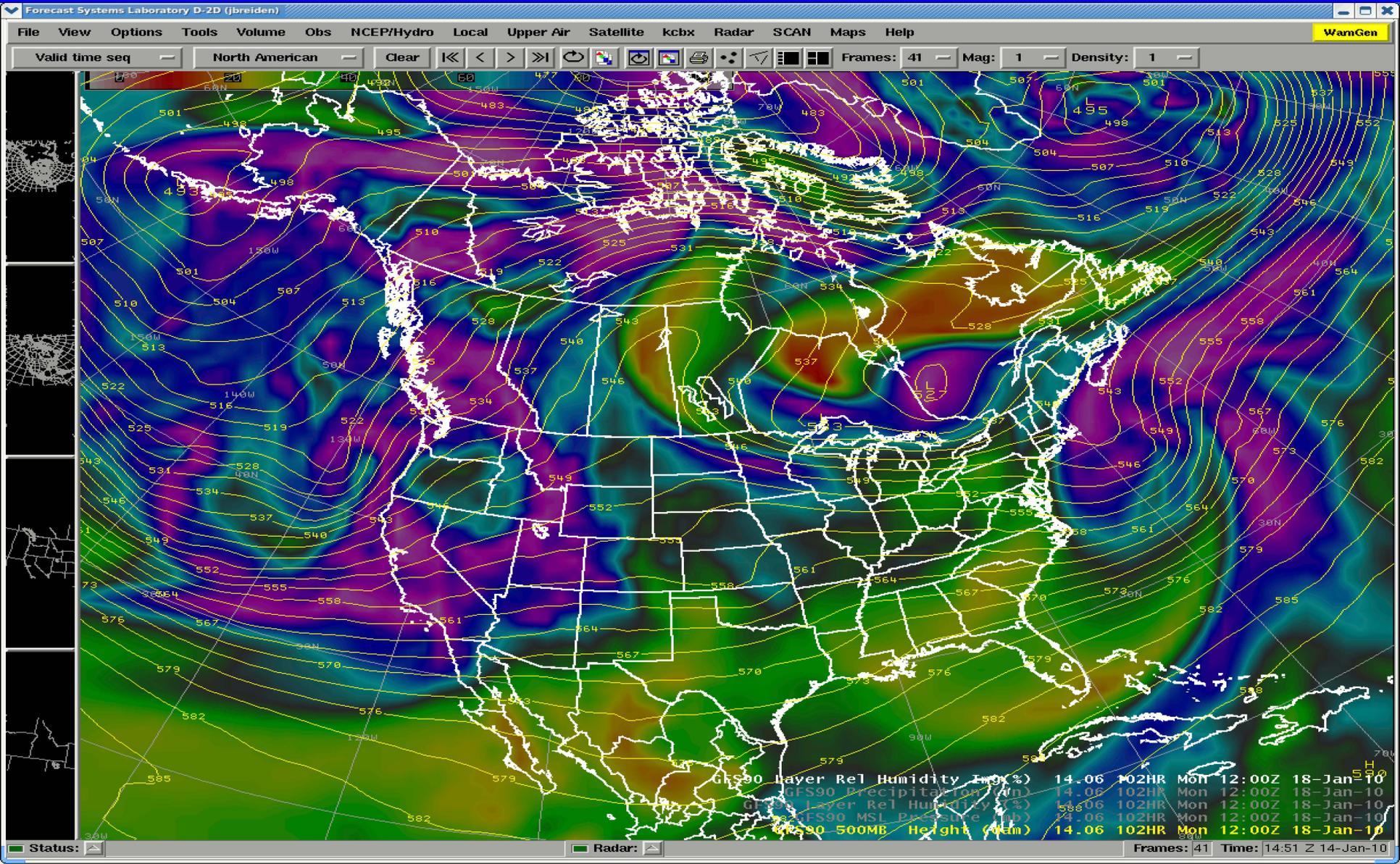
Sunday, January 17th



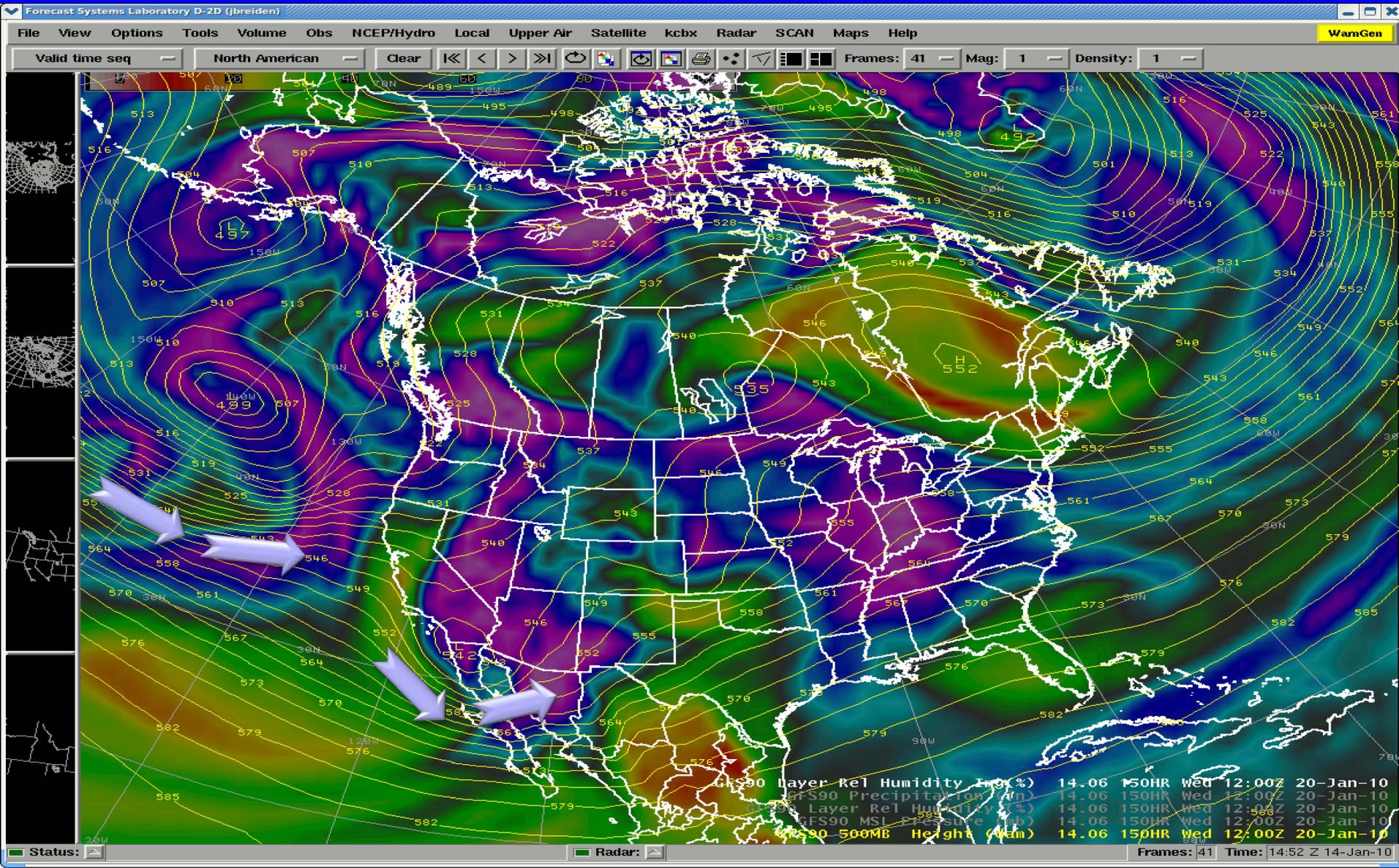
Monday, January 18th



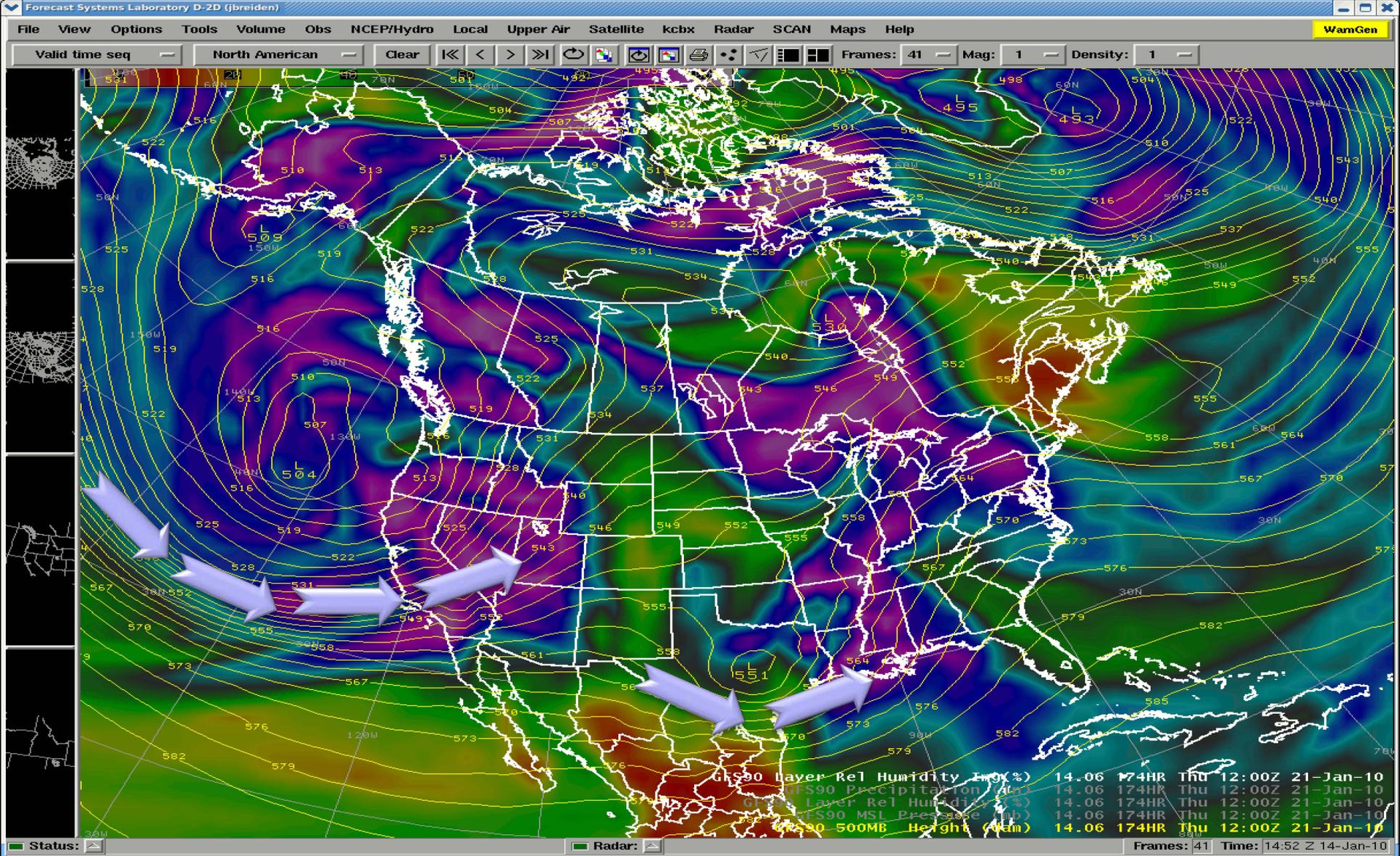
Tuesday, January 20th



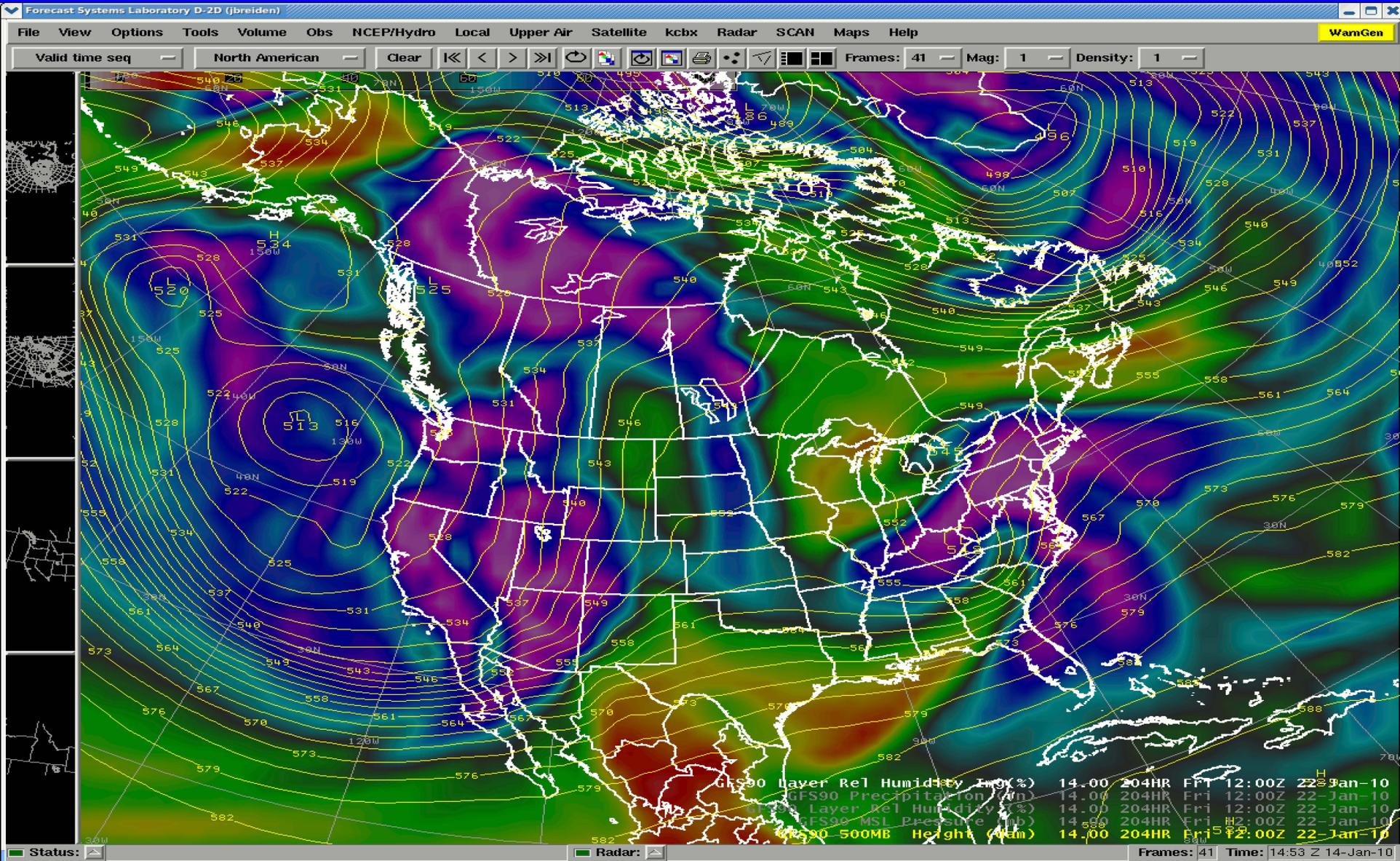
Wednesday, January 20th



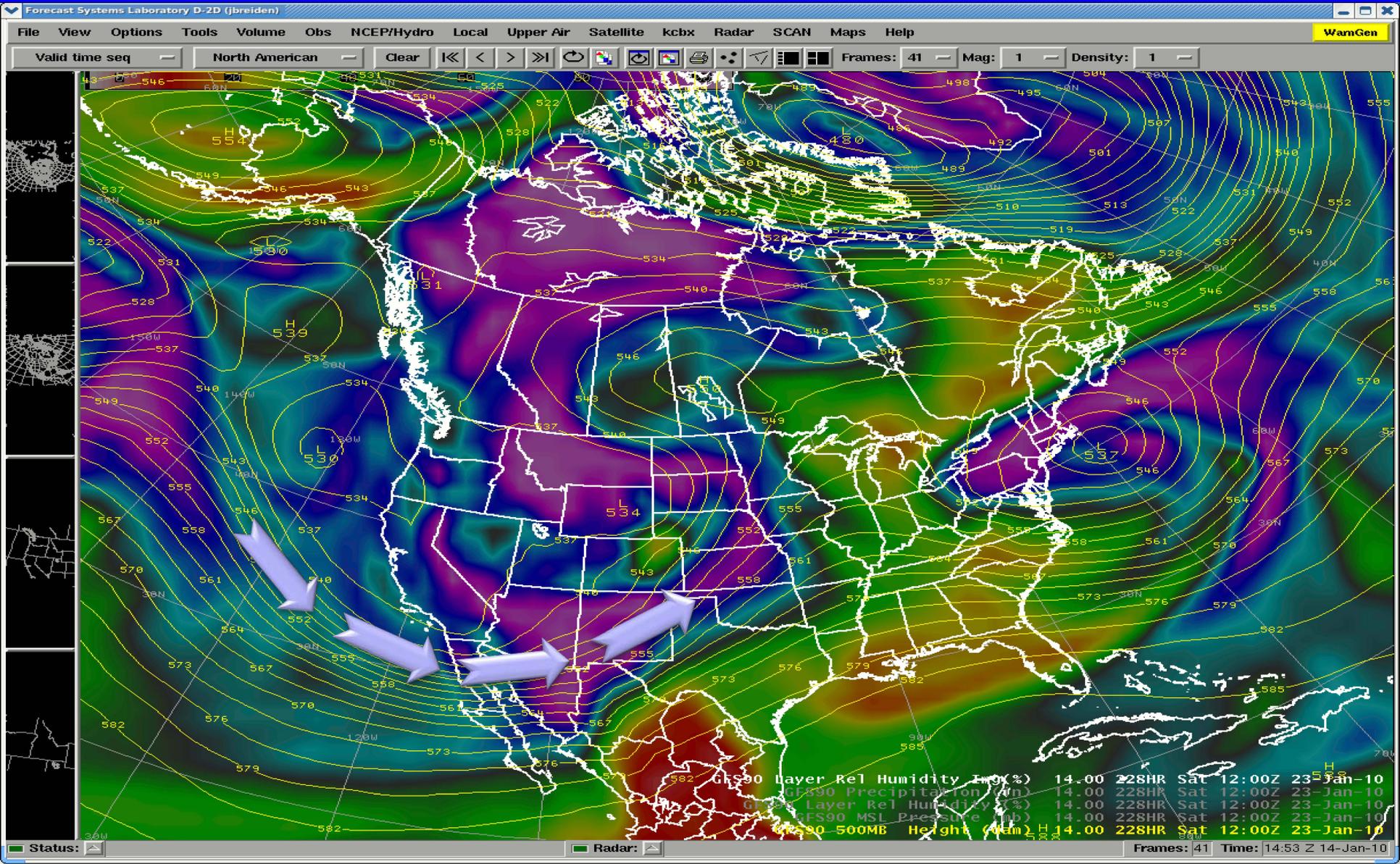
Thursday, January 21st



Thursday, January 22nd



Saturday, January 23rd

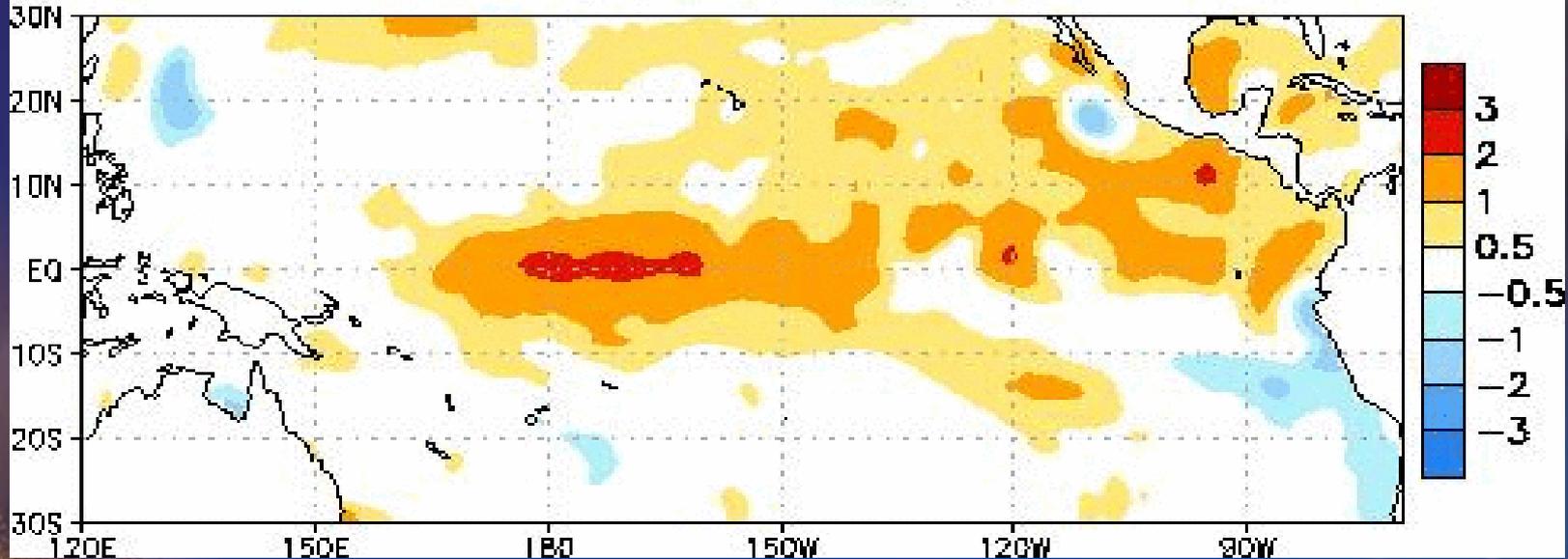




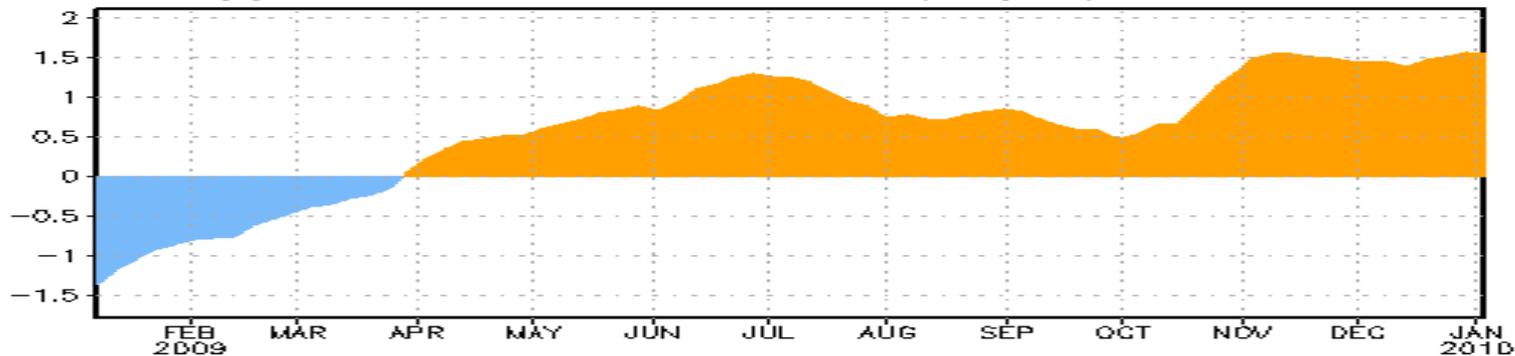
Equatorial Sea Surface Temperature Anomalies

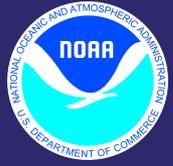


Week centered on 21 OCT 2009
SST Anomalies (°C)

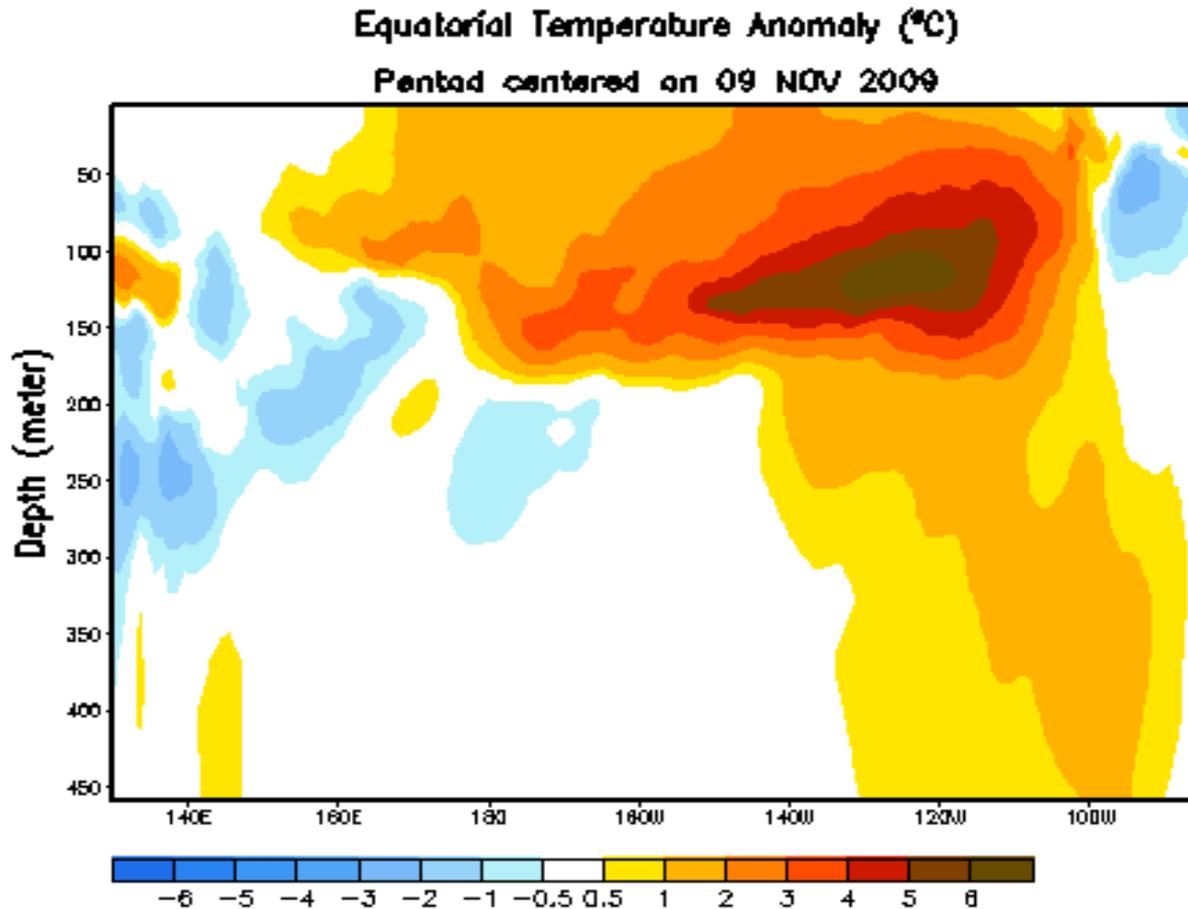


EQ. Upper-Ocean Heat Anoma. (deg C) for 180-100W





Warm sub-surface anomaly along equator



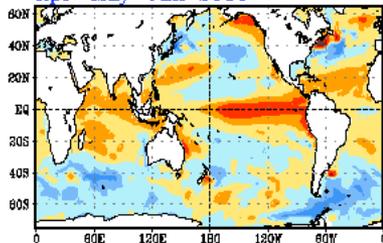
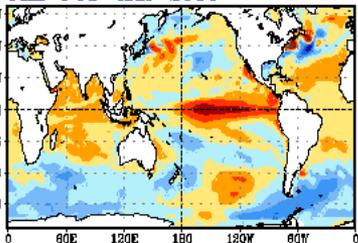
SST Outlook: NCEP CFS Forecast Issued 10 January 2010



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

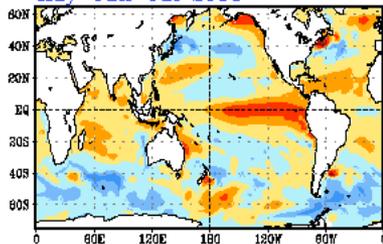
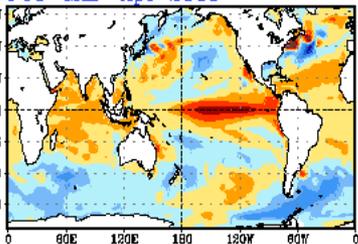
Jan-Feb-Mar 2010

Apr-May-Jun 2010



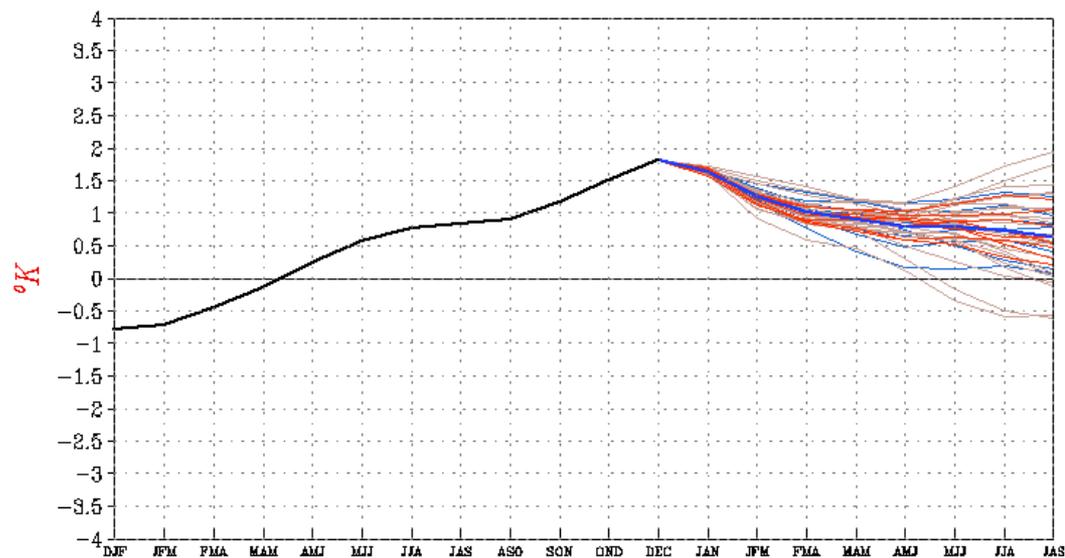
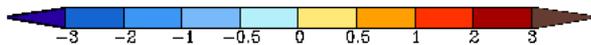
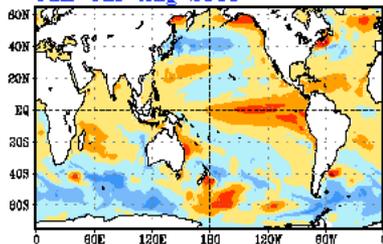
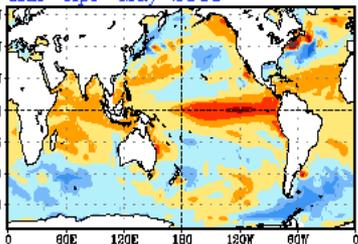
Feb-Mar-Apr 2010

May-Jun-Jul 2010



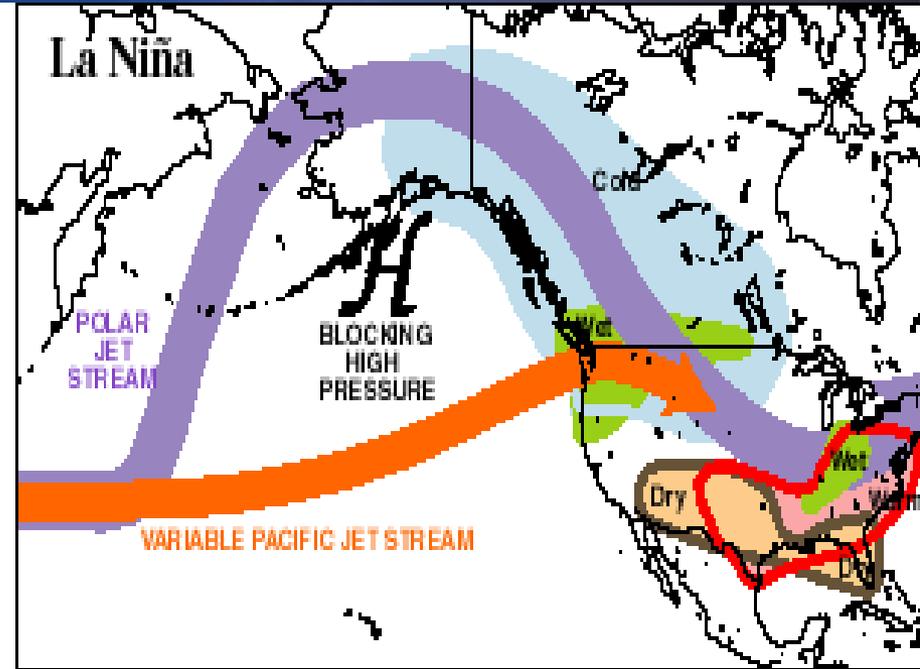
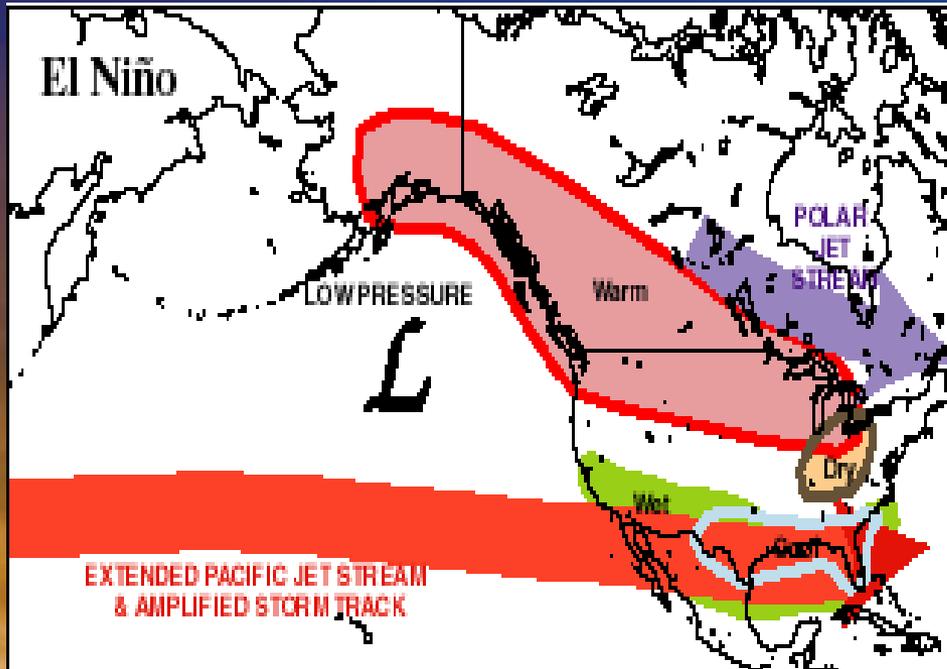
Mar-Apr-May 2010

Jun-Jul-Aug 2010

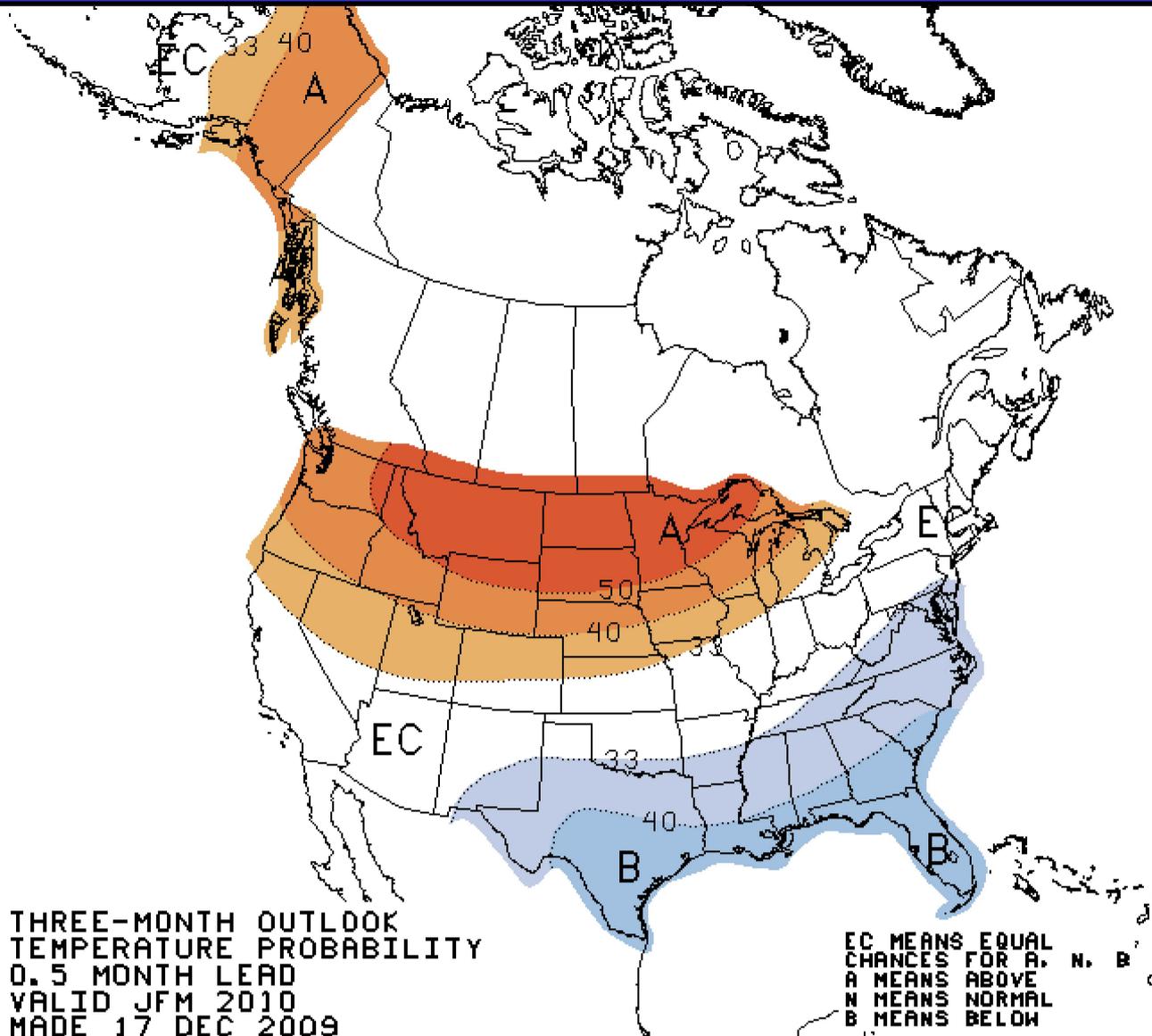




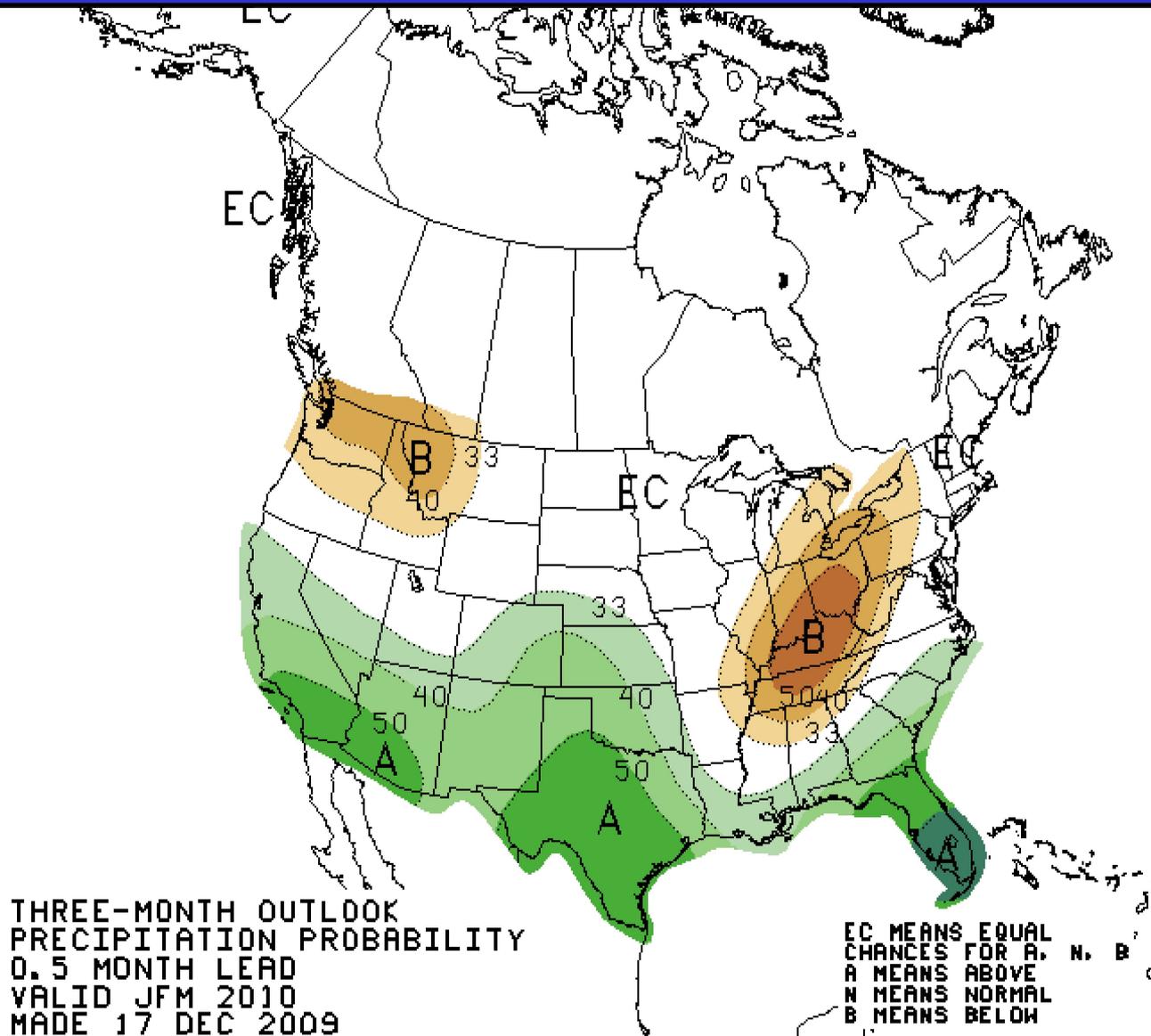
Typical North American Winter Impacts of El-Niño



Three Month Outlook (Jan-Mar) Temperatures



Three Month Outlook (Jan-Mar) Precipitation



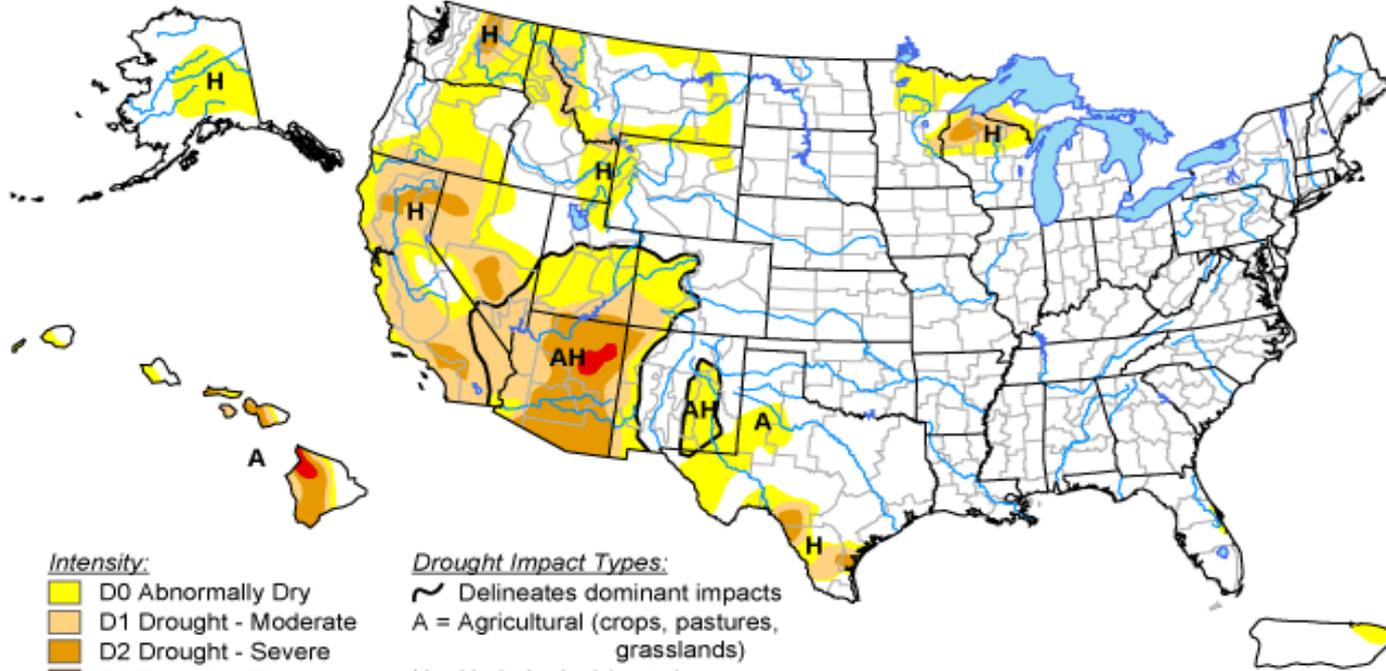


Drought Situation



U.S. Drought Monitor

January 5, 2010
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 7, 2010

Author: Mark Svoboda, National Drought Mitigation Center

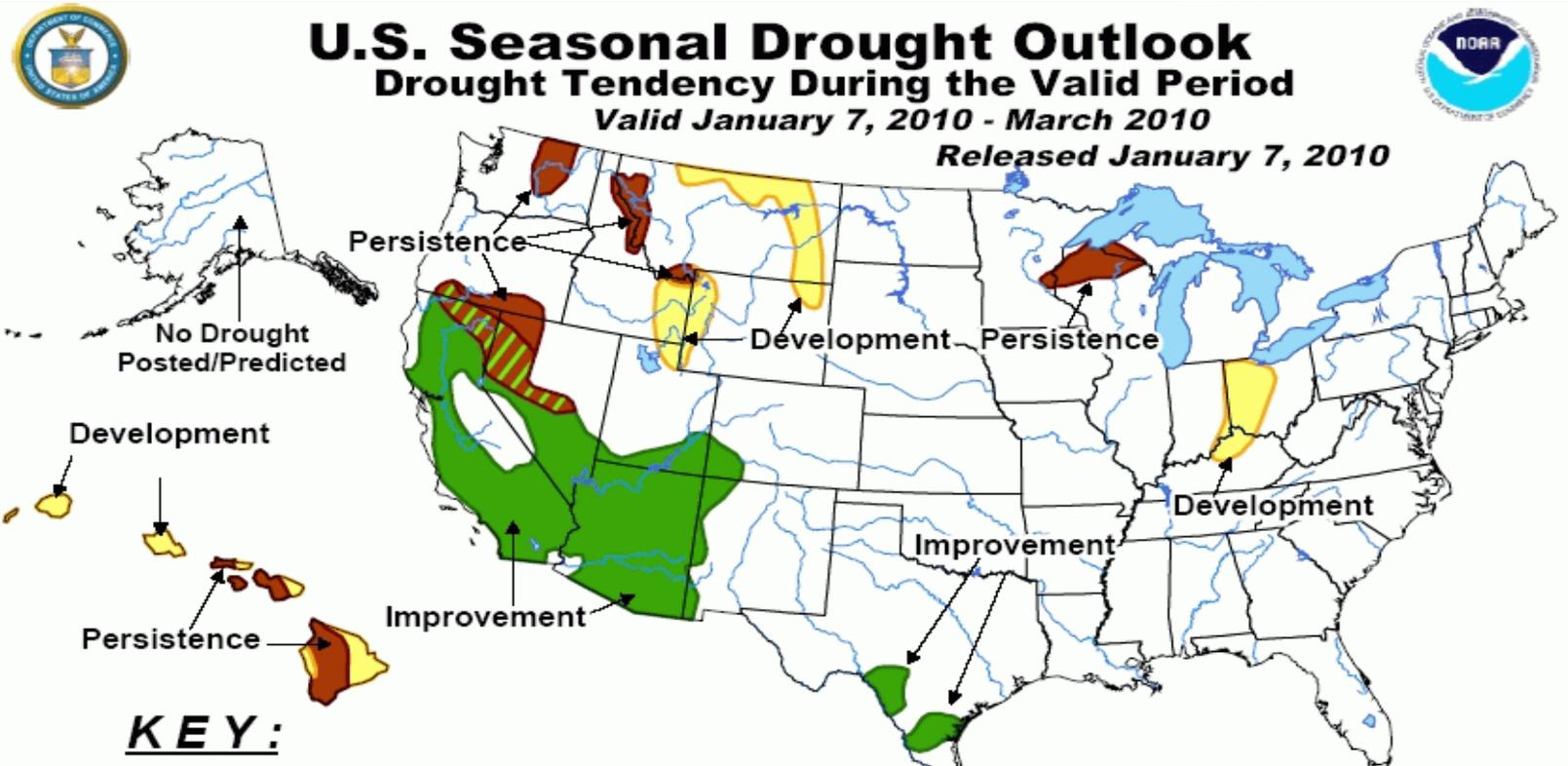


Drought Outlook

U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period

Valid January 7, 2010 - March 2010

Released January 7, 2010



KEY:

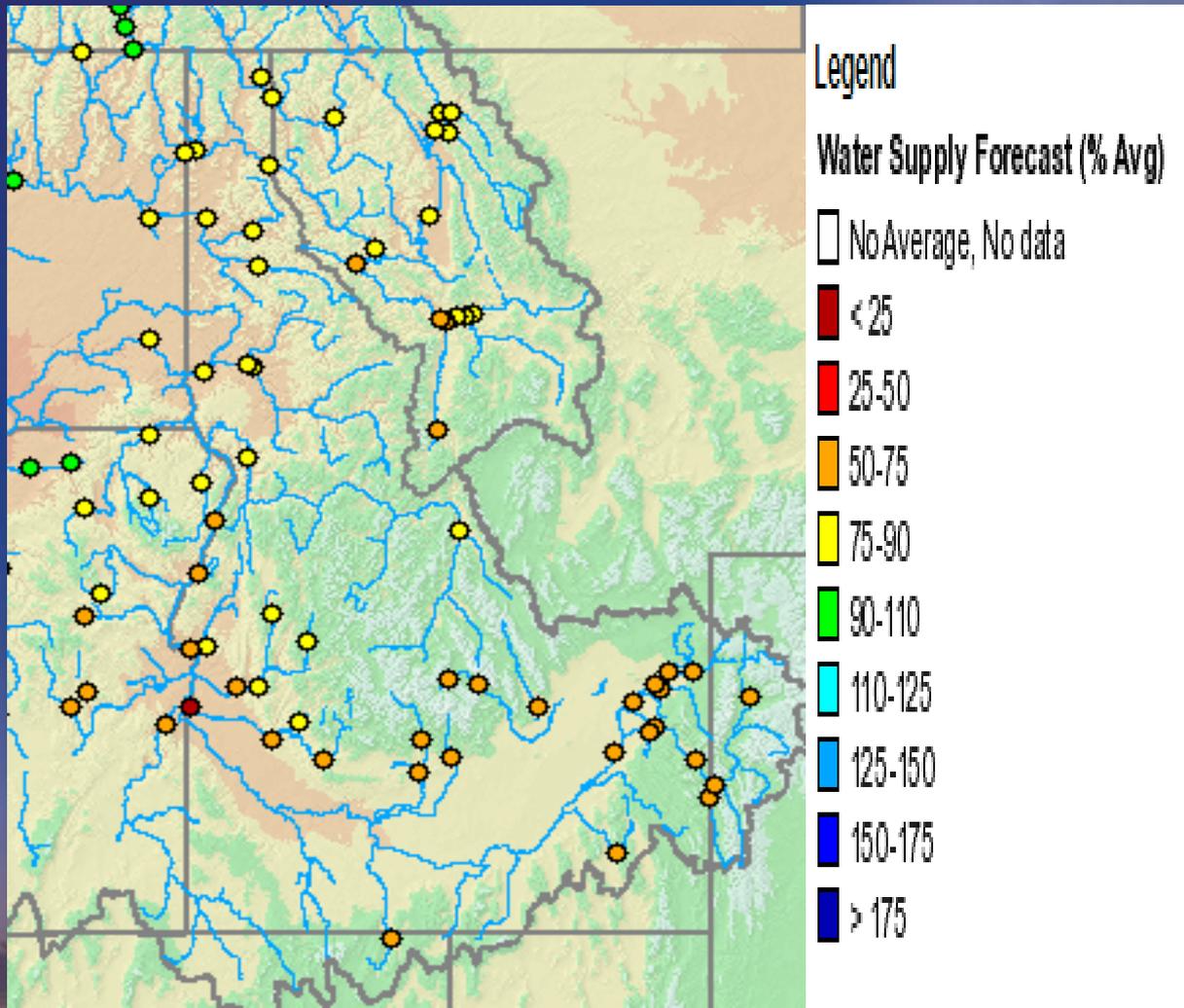
-  Drought to persist or intensify
-  Drought ongoing, some improvement
-  Drought likely to improve, impacts ease
-  Drought development likely

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 Water Supply Expected in 2010





Current Information on Web

www.weather.gov/boise

www.nwrfc.noaa.gov/westernwater

