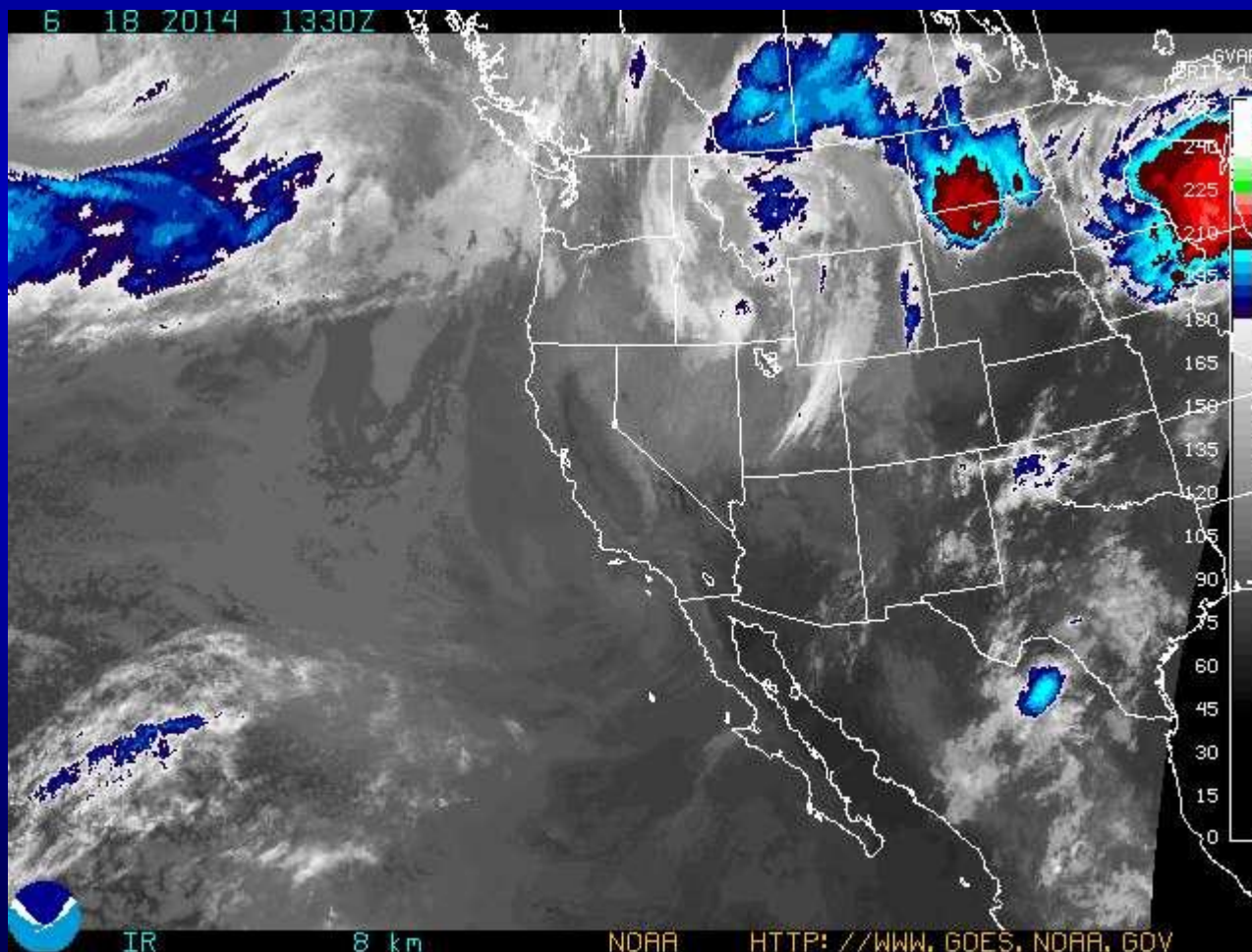
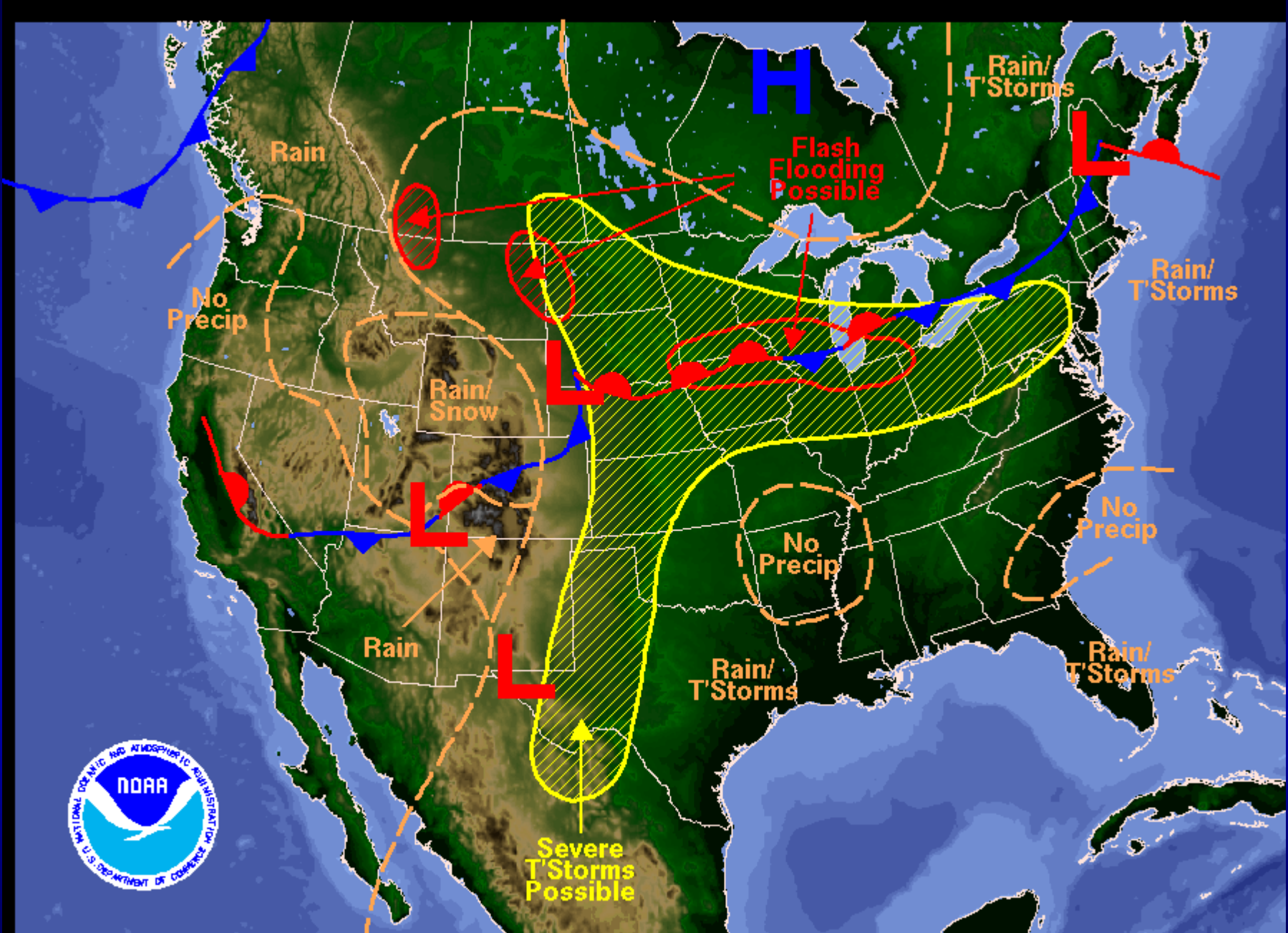




Short term Weather

Presentation to:
Water Availability Task Force Meeting
June 18, 2014
Treste Huse, National Weather Service



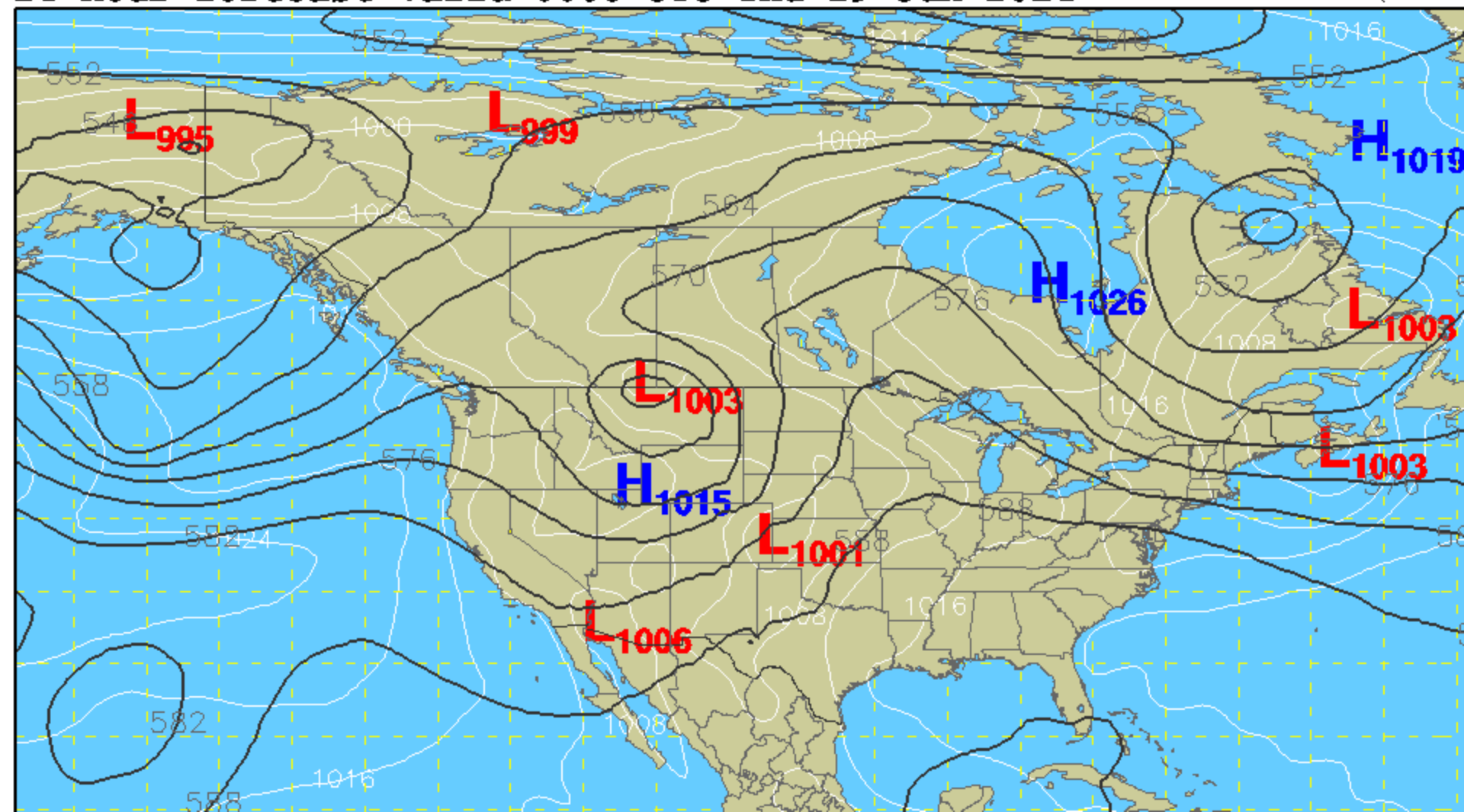


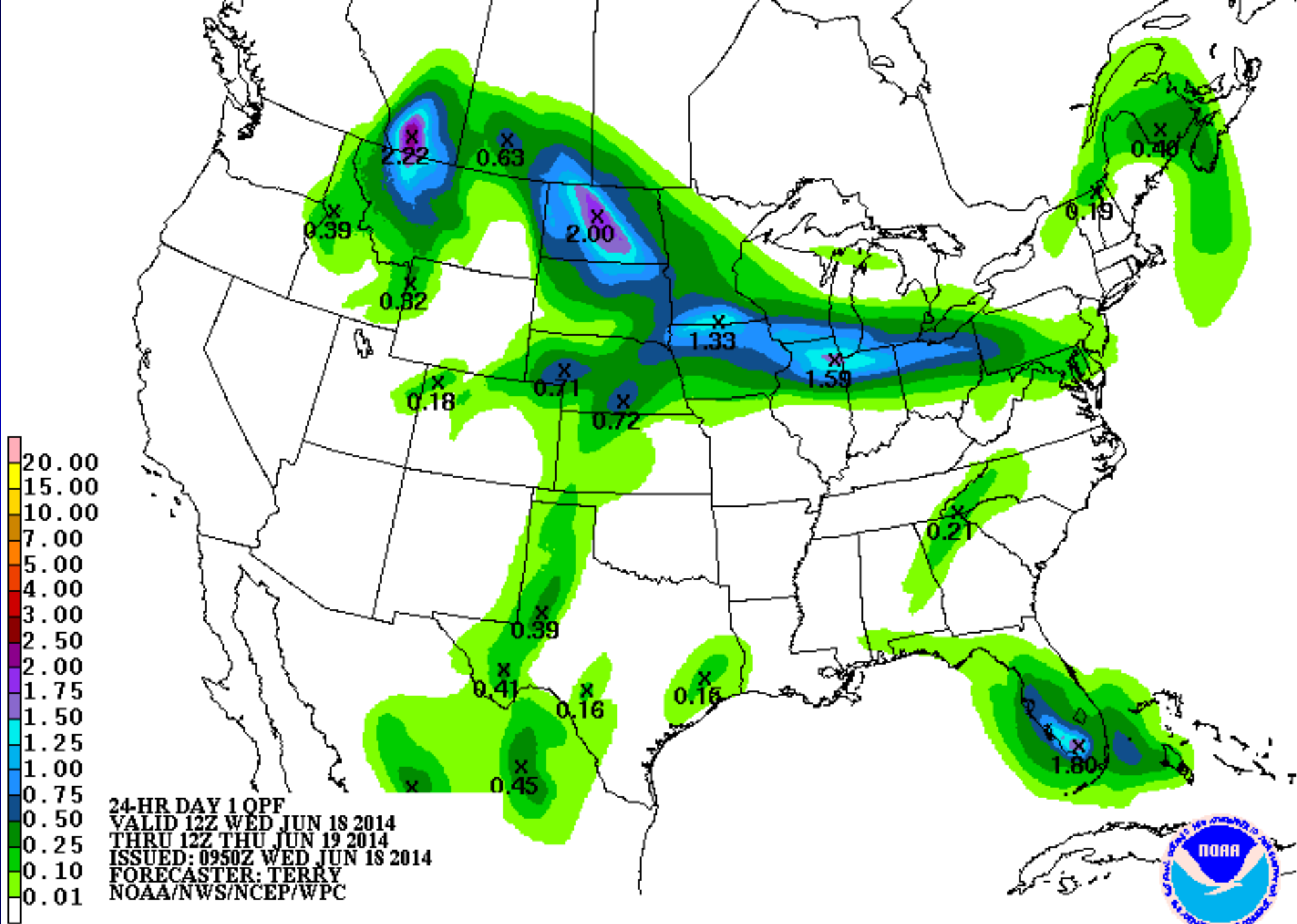
Weather Forecast for Wed, Jun 18, 2014, issued 3:00 AM EDT
 DOC/NOAA/NWS/NCEP/Weather Prediction Center
 Prepared by McReynolds based on WPC, SPC and NHC forecasts

MSLP (mb) / 500 mb Heights (dm)

24-hour forecast valid 0000 UTC Thu 19 Jun 2014

GFS (00z 1





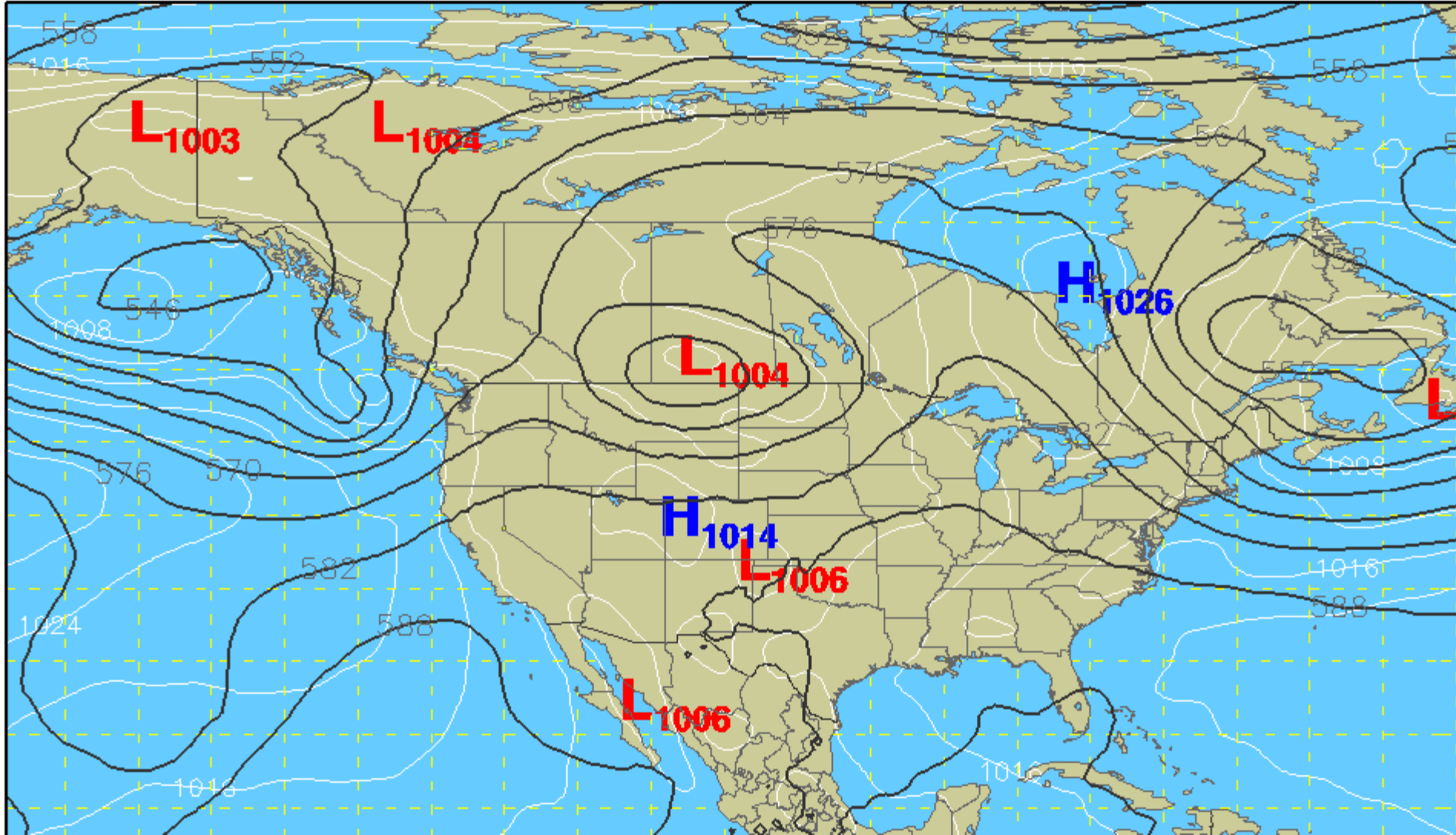
24-HR DAY 1 OPF
 VALID 12Z WED JUN 18 2014
 THRU 12Z THU JUN 19 2014
 ISSUED: 0950Z WED JUN 18 2014
 FORECASTER: TERRY
 NOAA/NWS/NCEP/WPC

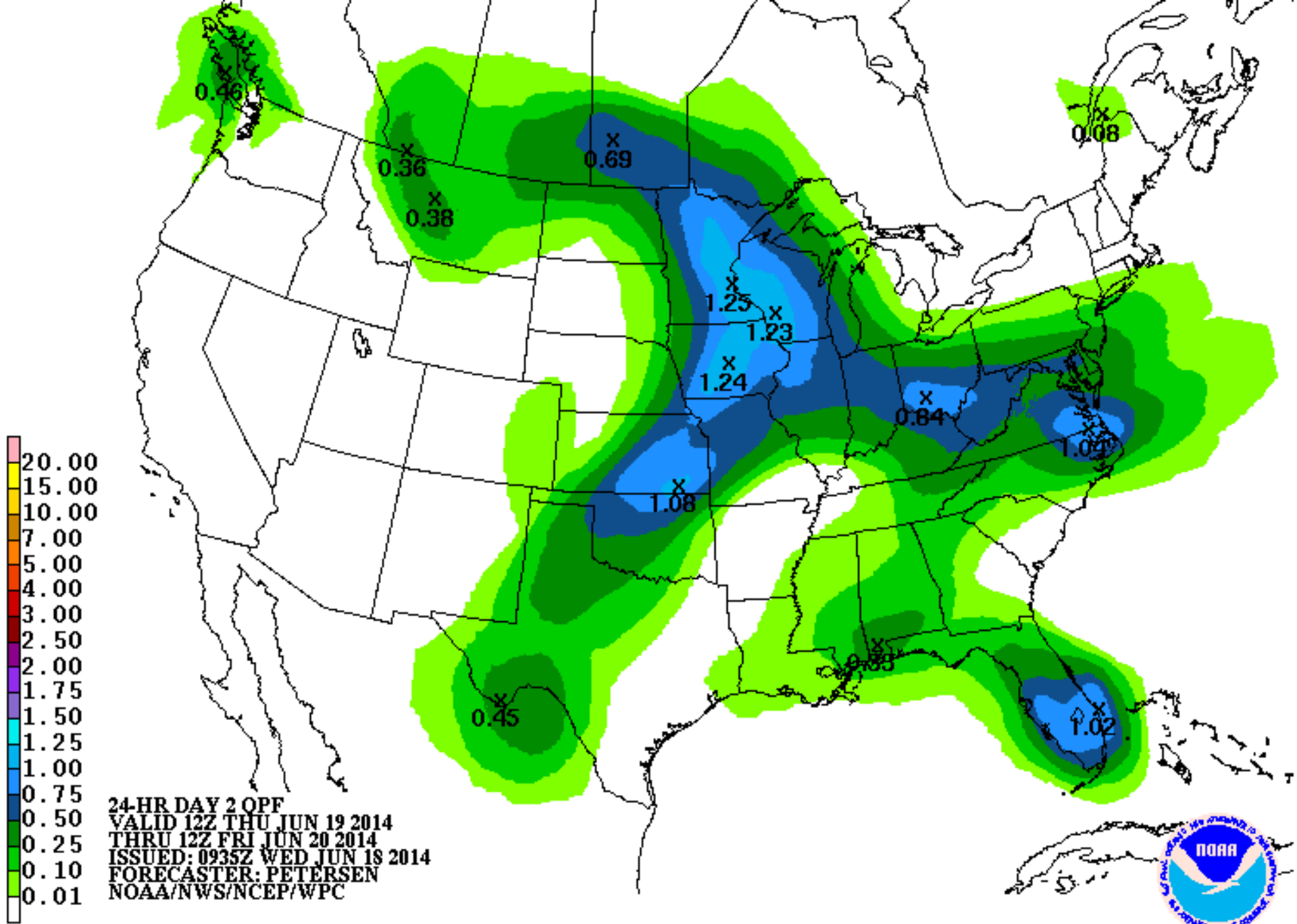


MSLP (mb) / 500 mb Heights (dm)

48-hour forecast valid 0000 UTC Fri 20 Jun 2014

GFS (00z 1

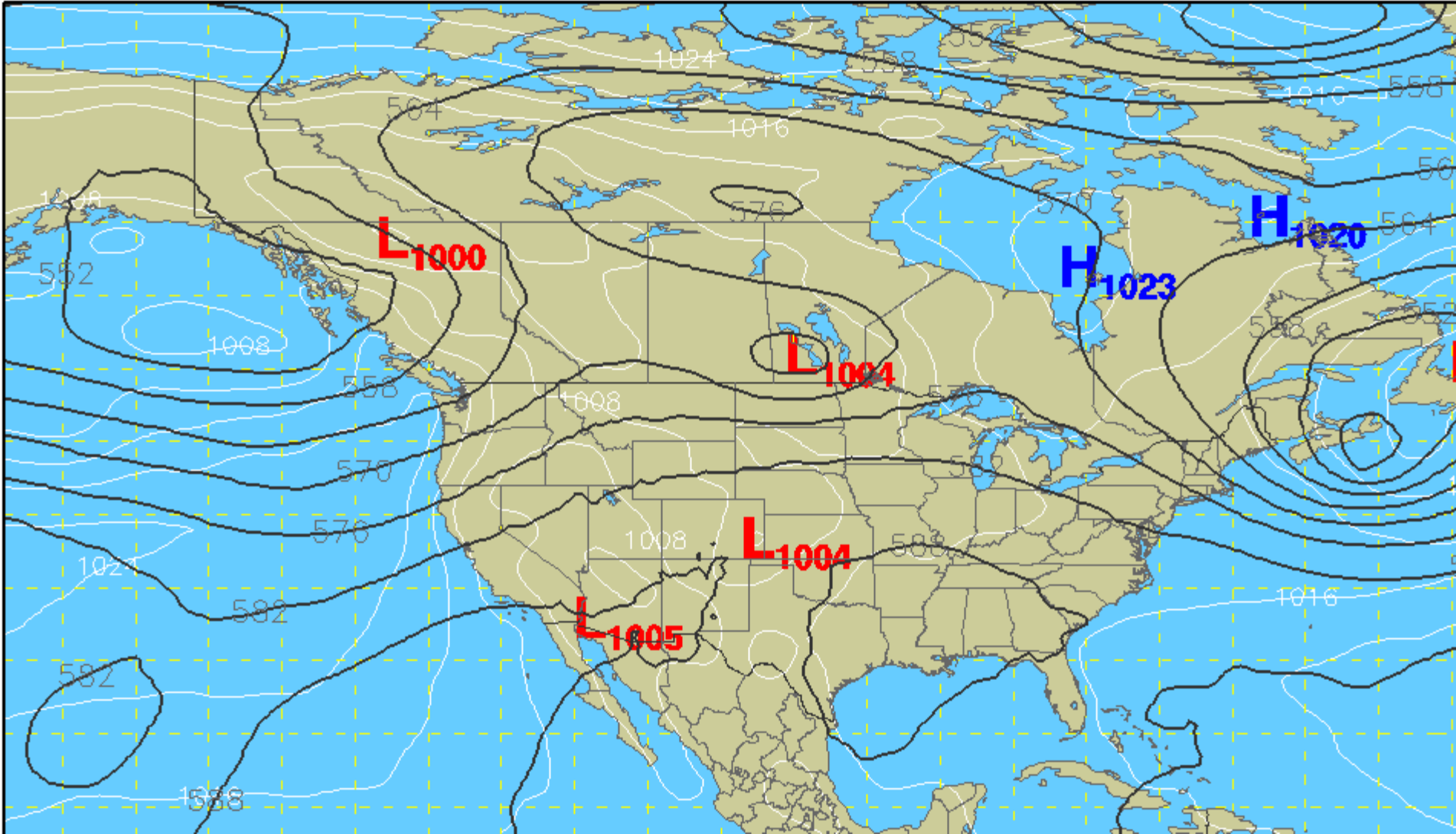


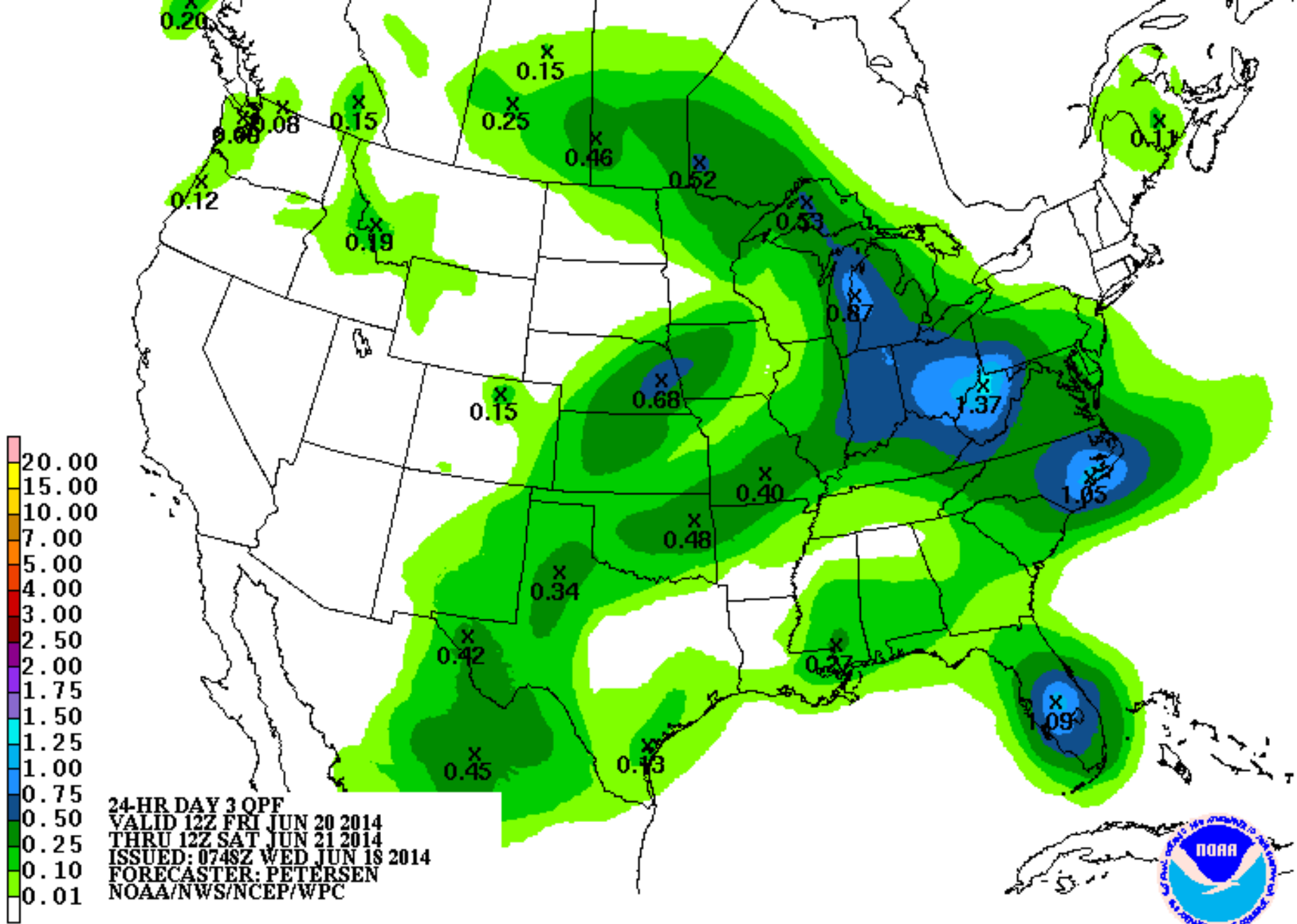


MSLP (mb) / 500 mb Heights (dm)

72-hour forecast valid 0000 UTC Sat 21 Jun 2014

GFS (00z 1

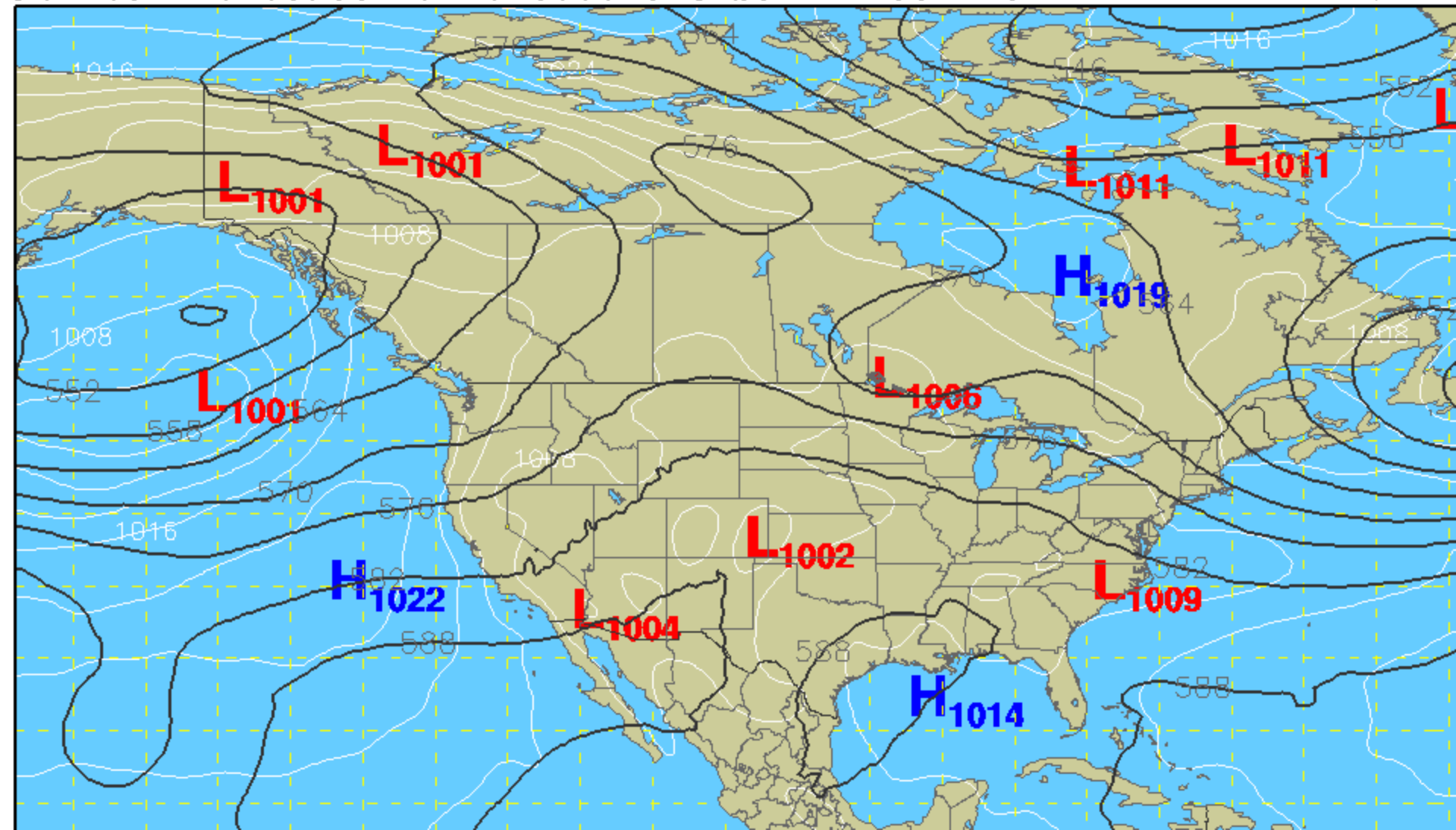


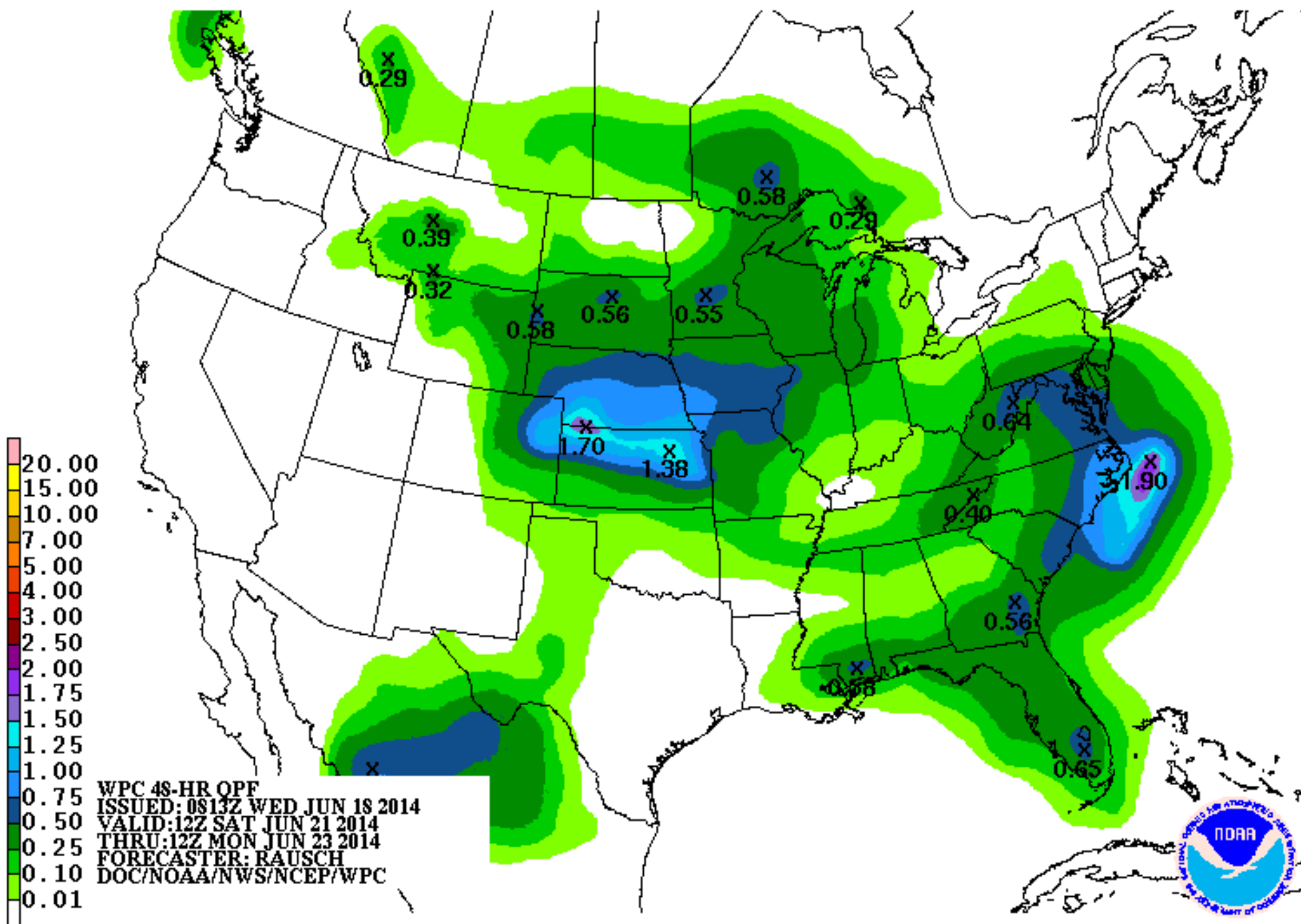


MSLP (mb) / 500 mb Heights (dm)

96-hour forecast valid 0000 UTC Sun 22 Jun 2014

GFS (00z 1

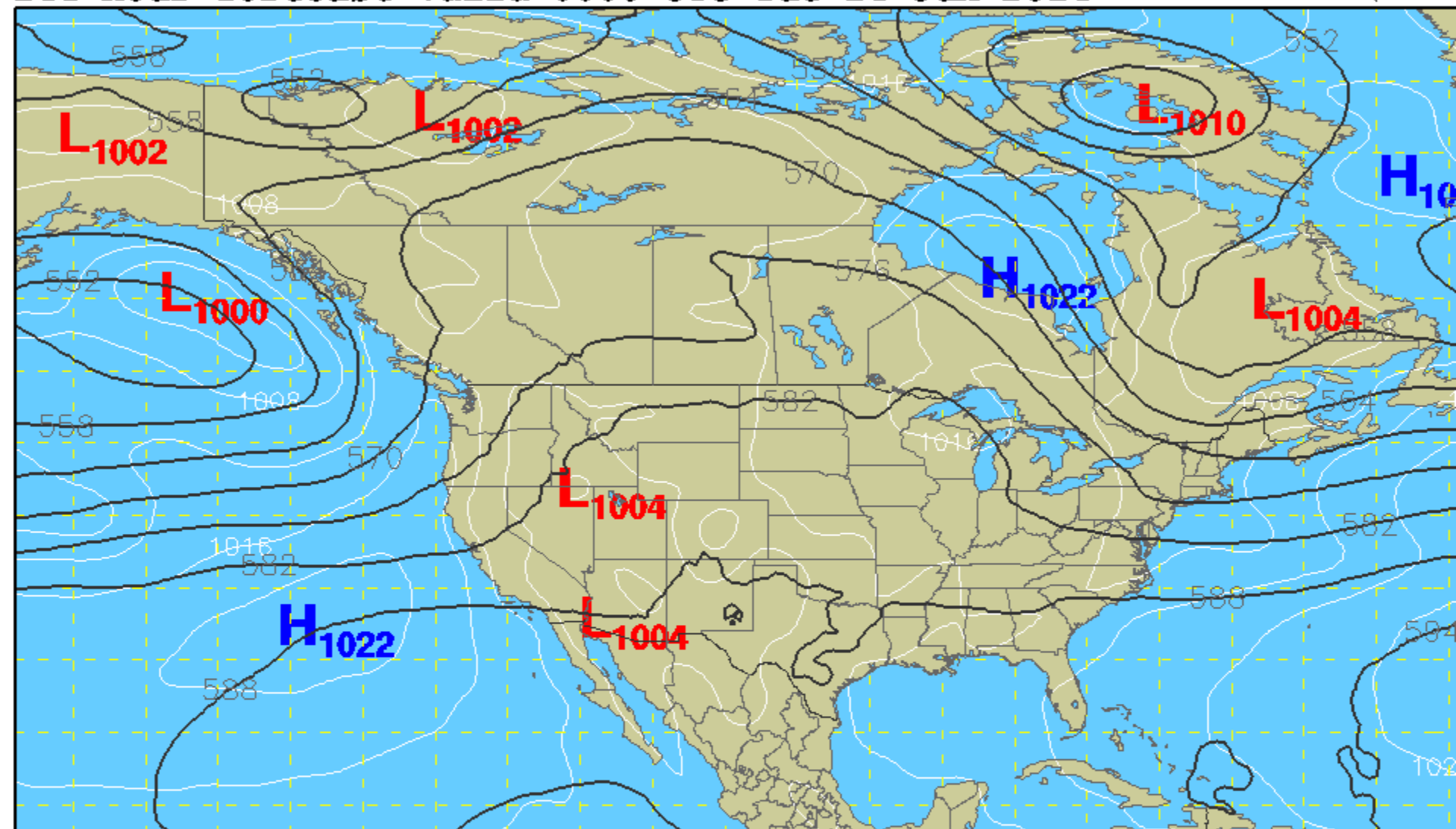


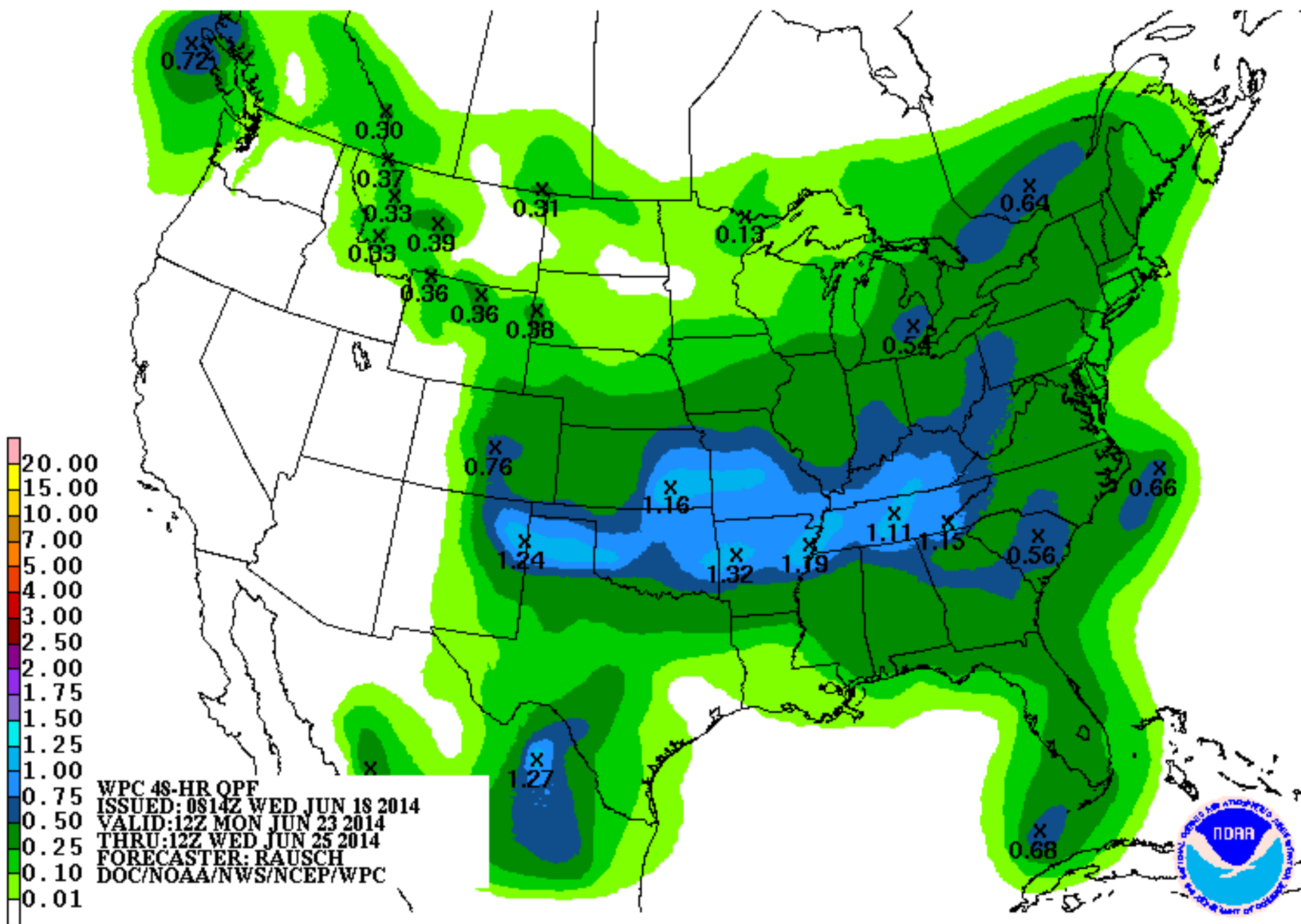


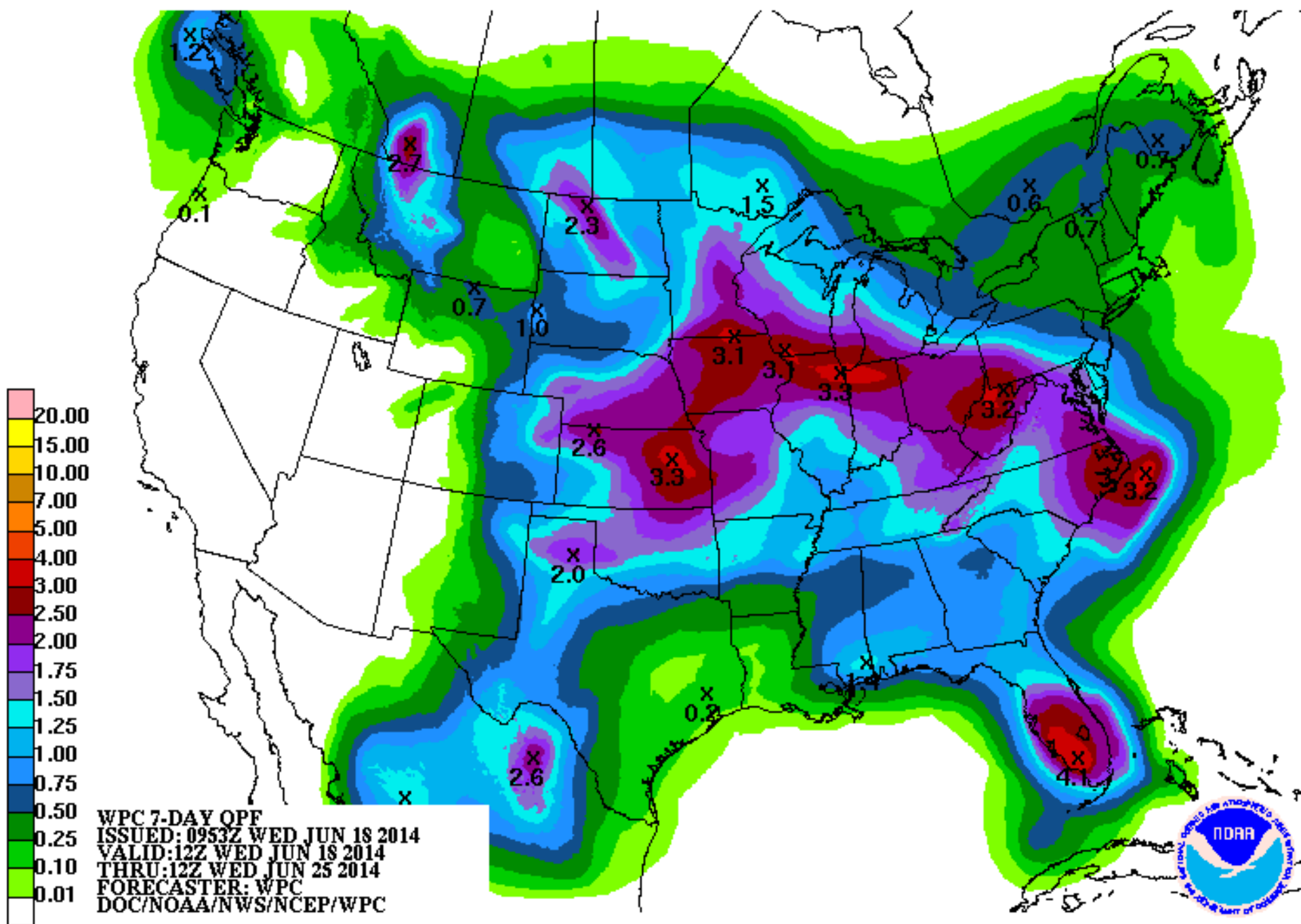
MSLP (mb) / 500 mb Heights (dm)

144-hour forecast valid 0000 UTC Tue 24 Jun 2014

GFS (00z 1



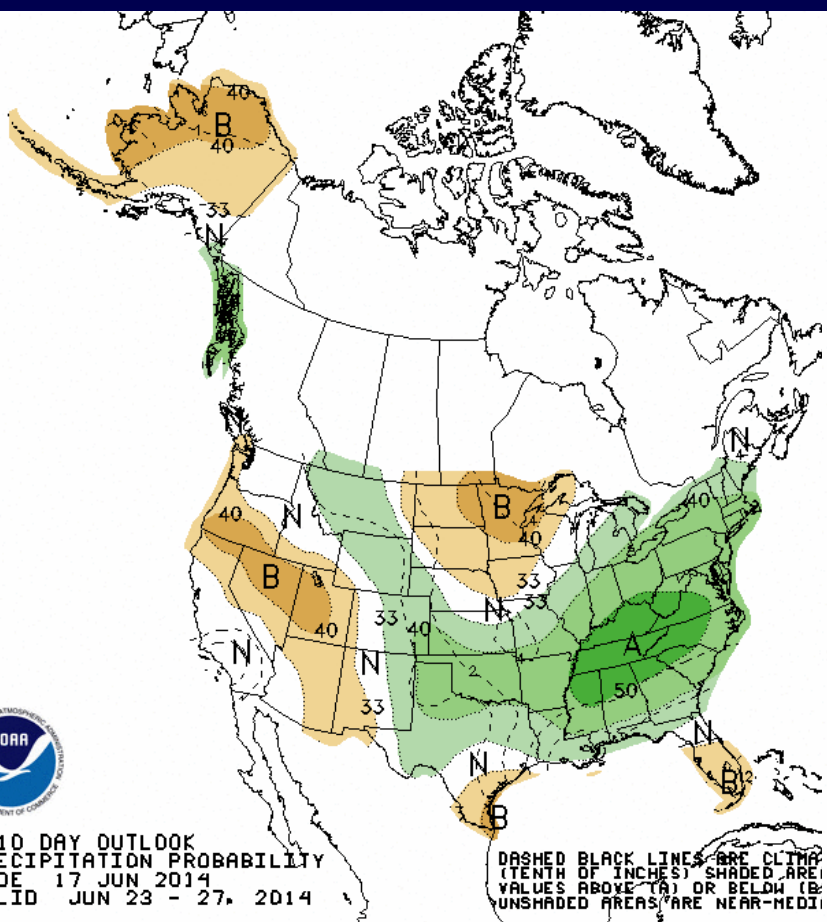
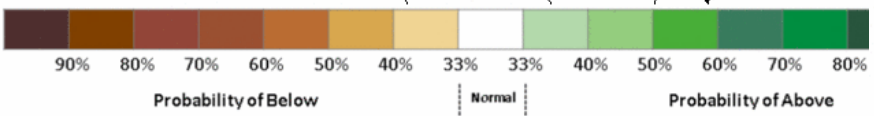






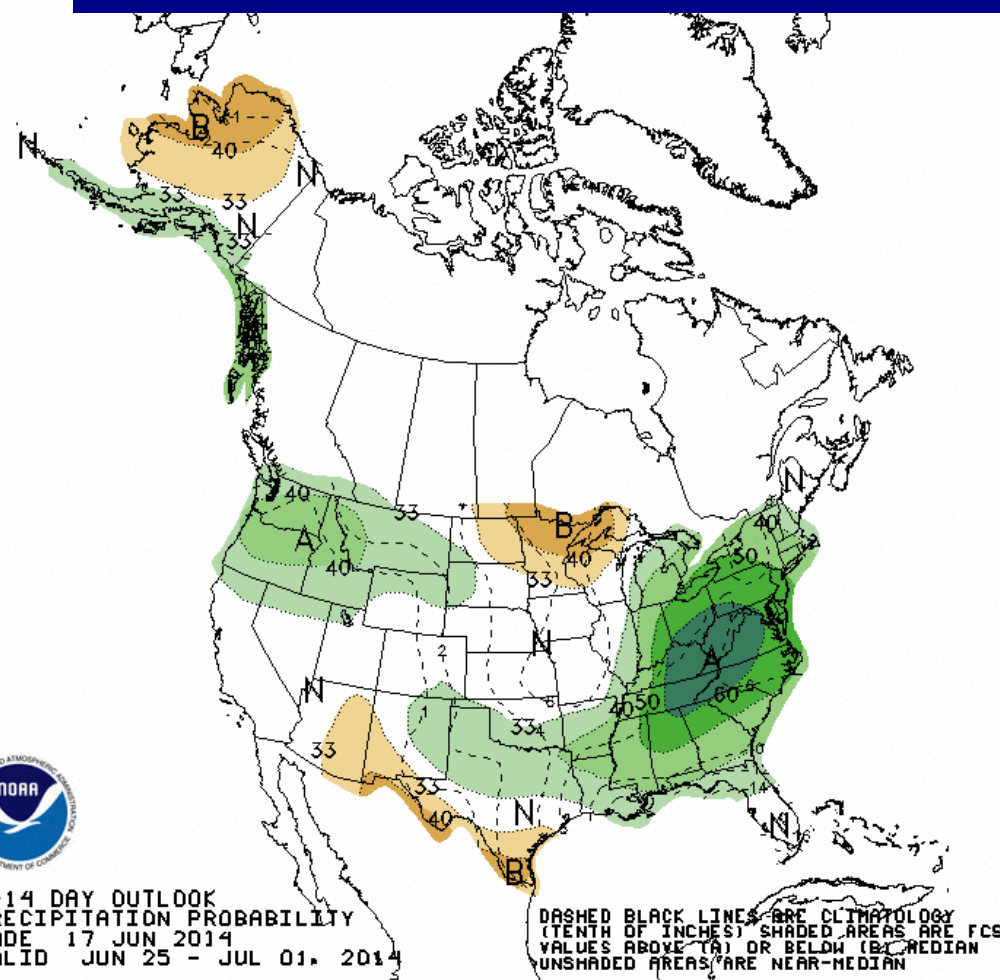
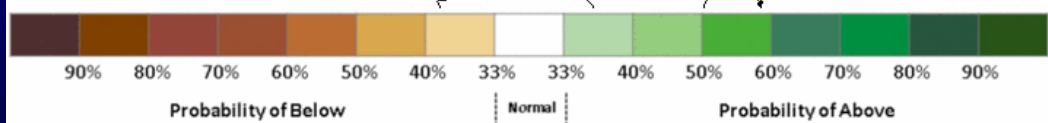
6-10 DAY OUTLOOK
 PRECIPITATION PROBABILITY
 MADE 17 JUN 2014
 VALID JUN 23 - 27, 2014

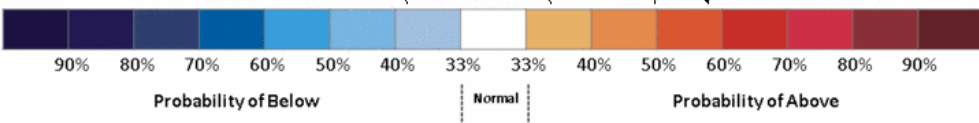
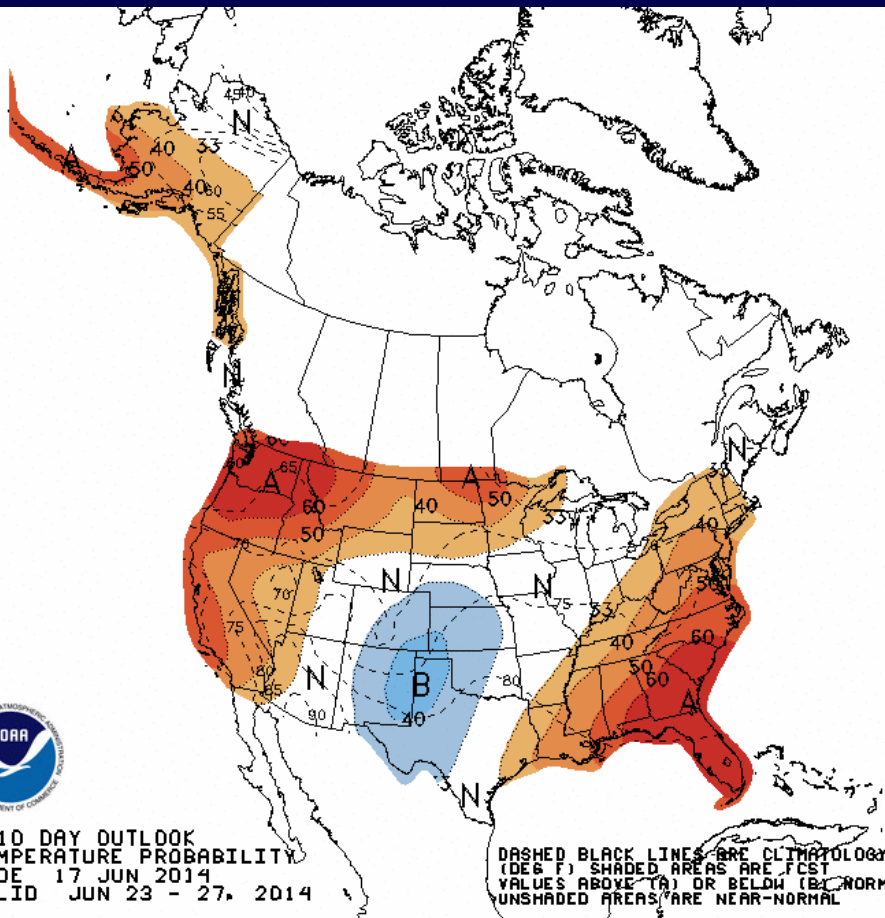
DASHED BLACK LINES ARE CLIMATOLOGY (TENTH OF INCHES). SHADED AREAS ARE VALUES ABOVE (A) OR BELOW (B) MEDIAN. UNSHADED AREAS ARE NEAR-MEDIAN.



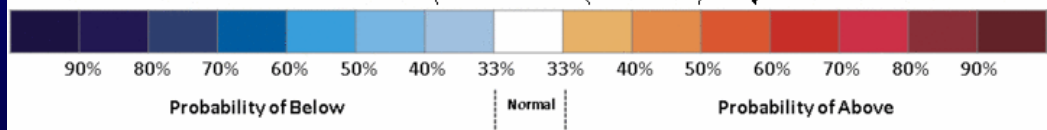
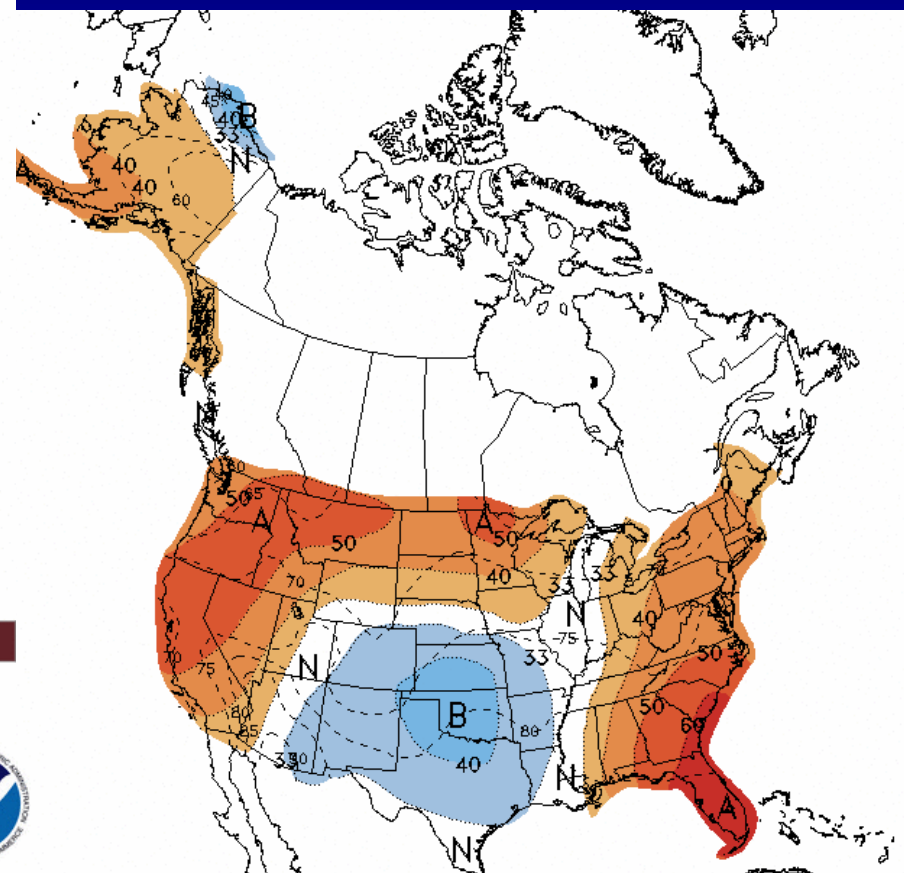
8-14 DAY OUTLOOK
 PRECIPITATION PROBABILITY
 MADE 17 JUN 2014
 VALID JUN 25 - JUL 01, 2014

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





8-14 DAY OUTLOOK
TEMPERATURE PROBABILITY
MADE 17 JUN 2014
VALID JUN 25 - JUL 01, 2014



Recently, there's been a lot of speculation about how strong this El Niño will be, especially considering the strong westerly wind bursts in late winter, and the large subsurface temperatures in early spring of this year.

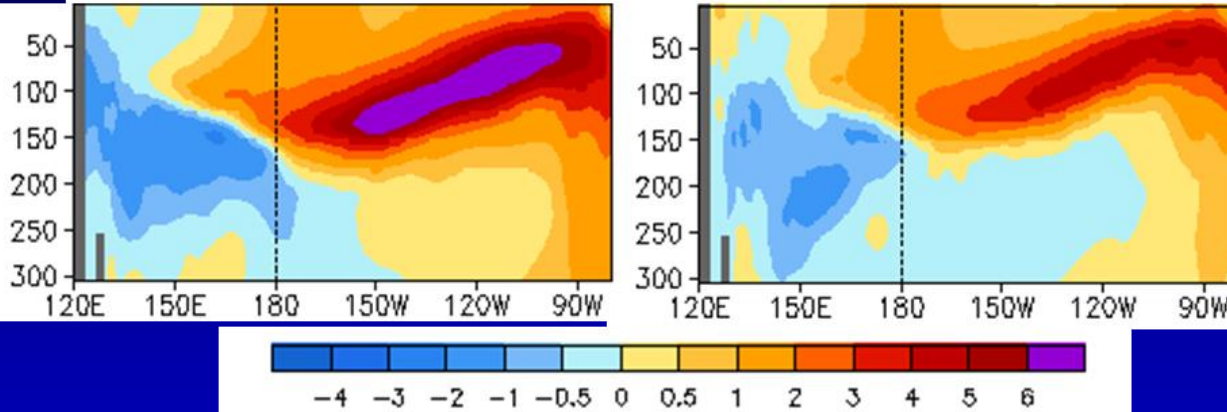
The subsurface temperatures in March, which was a record for the month going back to 1979, inspired comparisons to the early stages of the 1997/98 El Niño, the largest on record (ONI maximum of 2.4). That event also developed in the spring, like this one.

However, right now, forecasters are not favoring a strong event (while not at all ruling it out) and believe a moderate event (ONI 1.0 - 1.5) is slightly more likely, sometime during the fall/winter.

First, the subsurface temperatures have tapered off a bit recently. While still substantially above normal, the average of the upper-ocean (300m to surface) temperatures in the tropical Pacific has decreased over the past two months.

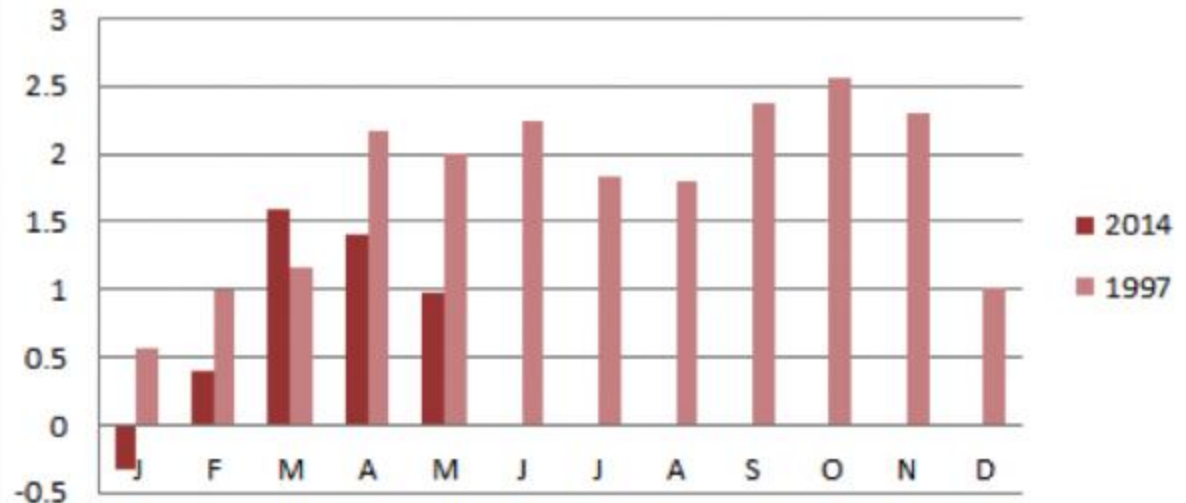
May 1997

May 2014



Subsurface temperature (degrees C) cross-sections from May 1997 (left) and 2014 (right). The figures are showing the average of several different subsurface temperature datasets. Maps based on data from the Real Time Multiple Ocean Reanalysis Intercomparison website.

Equatorial upper 300m temperature average anomaly, 180W-100W

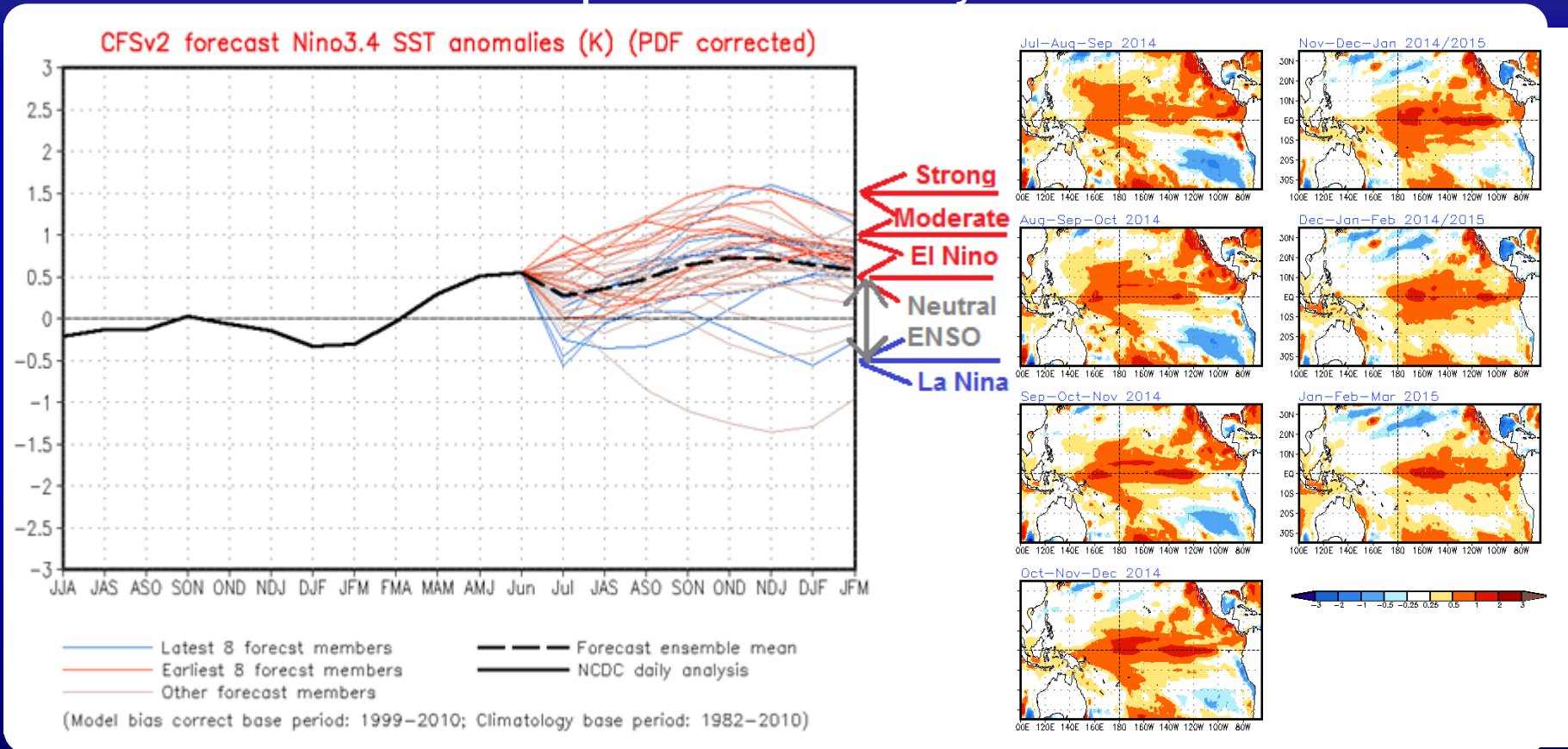


from Climate.gov June 6th

SST Outlook: NCEP CFS.v2 Forecast (PDF corrected)

Issued: 16 June 2014

The CFS.v2 ensemble mean (black dashed line) predicts El Niño starting in the late Northern Hemisphere summer/early fall.



Sea surface temperatures (SST) are above-average across the equatorial Pacific Ocean.

CPC/IRI Probabilistic ENSO Outlook

Updated: 5 June 2014

The chance of El Niño is 70% during the Northern Hemisphere this summer and reaches 80% during the fall and winter.

