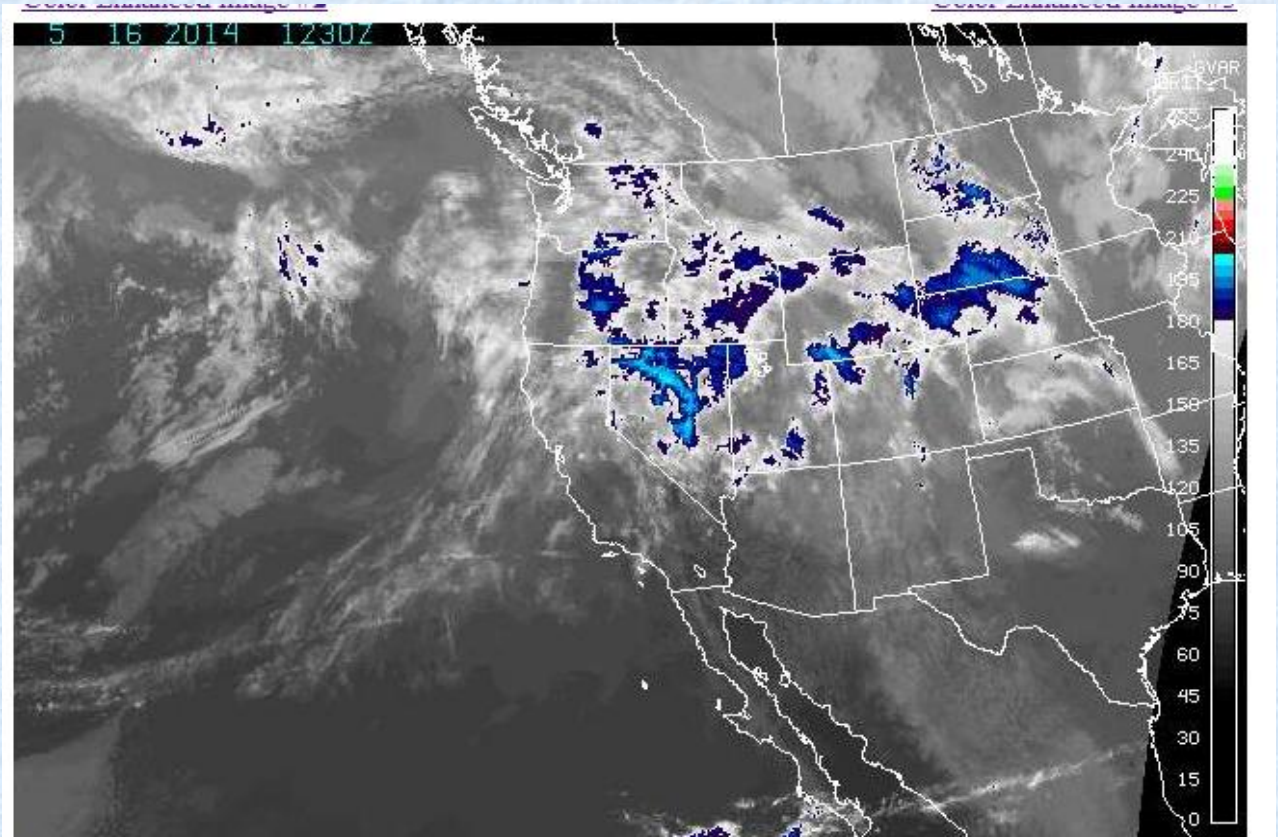
Short term Weather

Presentation to:

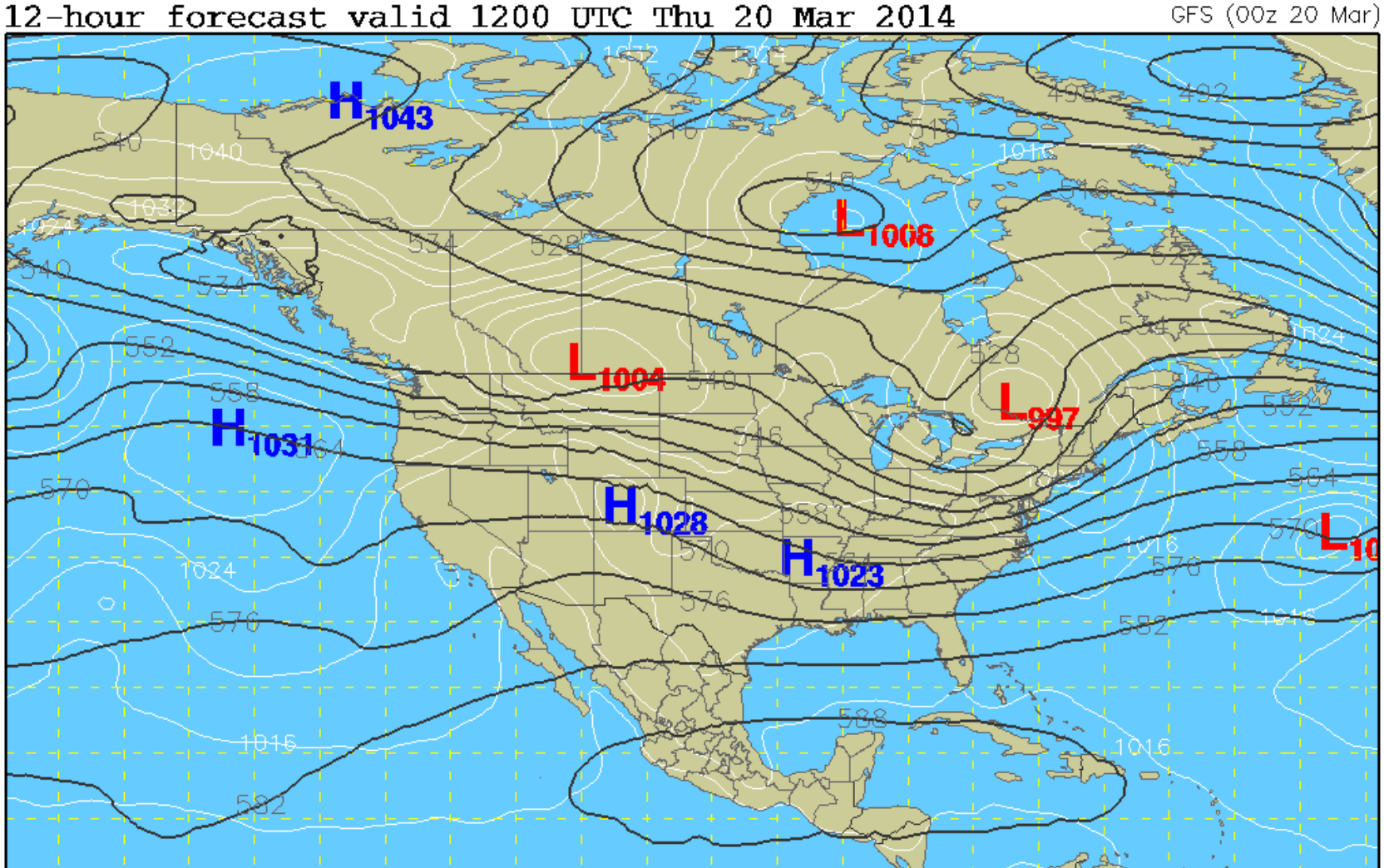
Water Availability Task Force Meeting

May 16, 2014

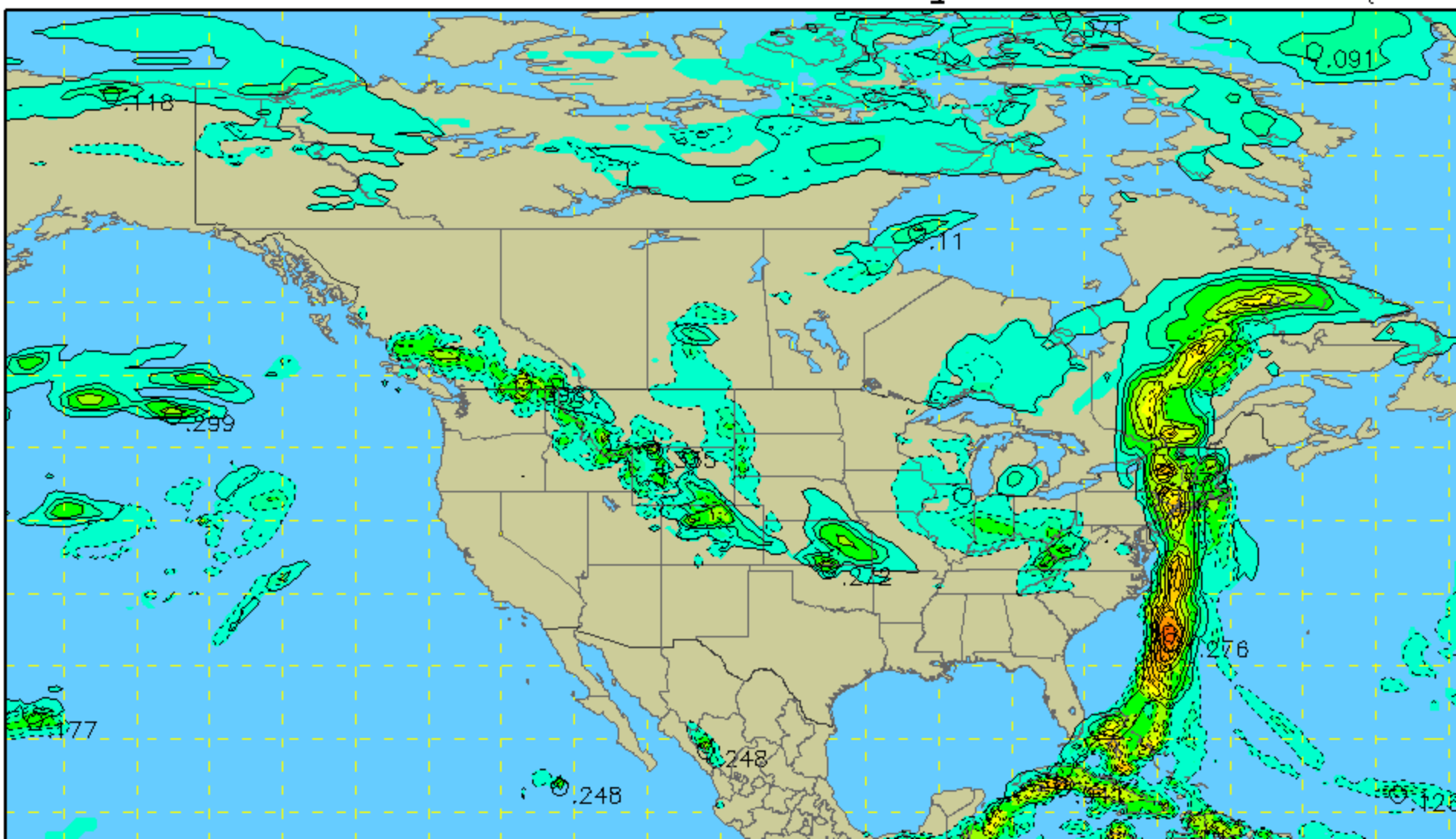
Bob Glancy, National Weather Service



MSLP (mb) / 500 mb Heights (dm)



6-h accum precip (in) (total-shaded; convect-dashed)



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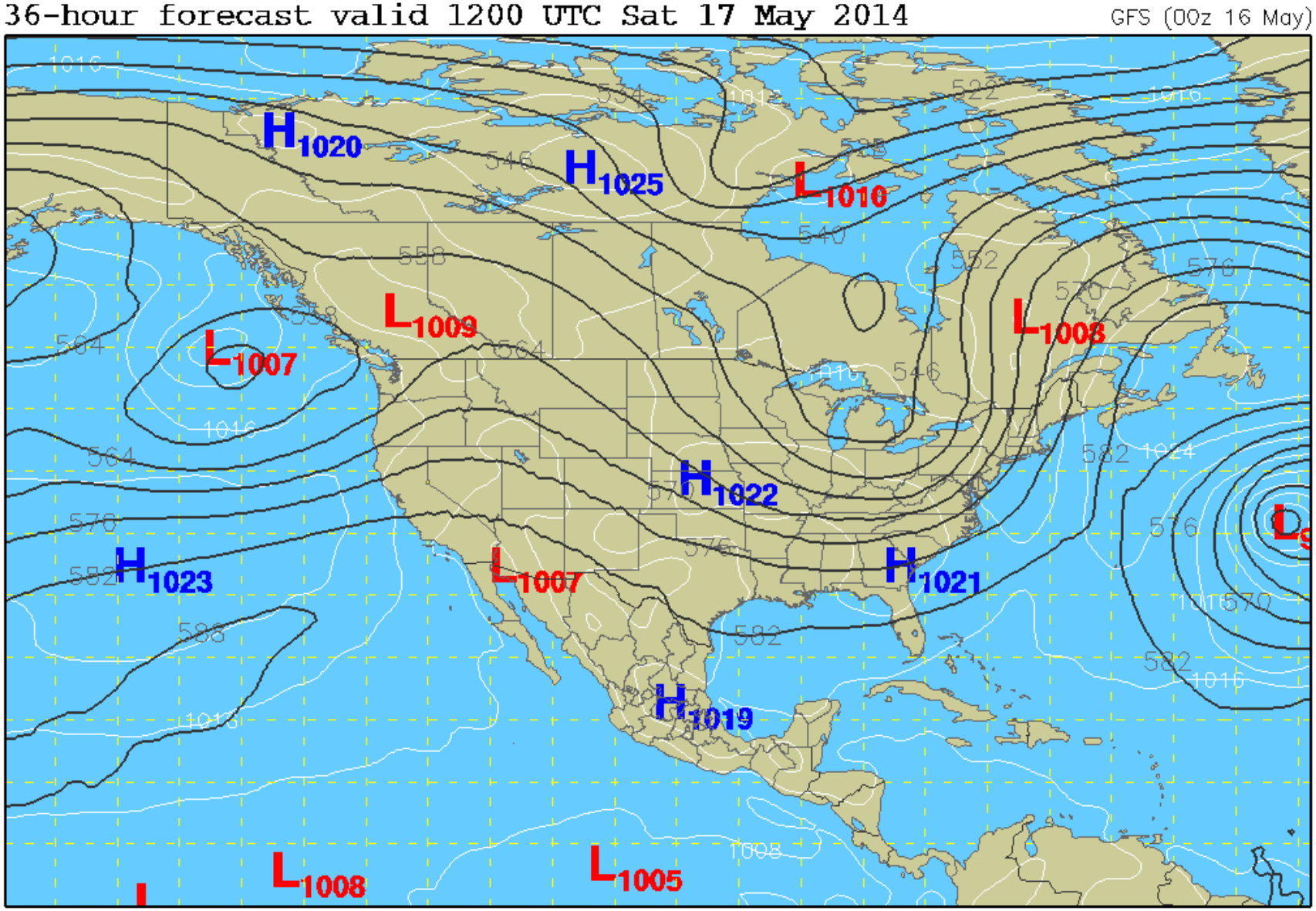

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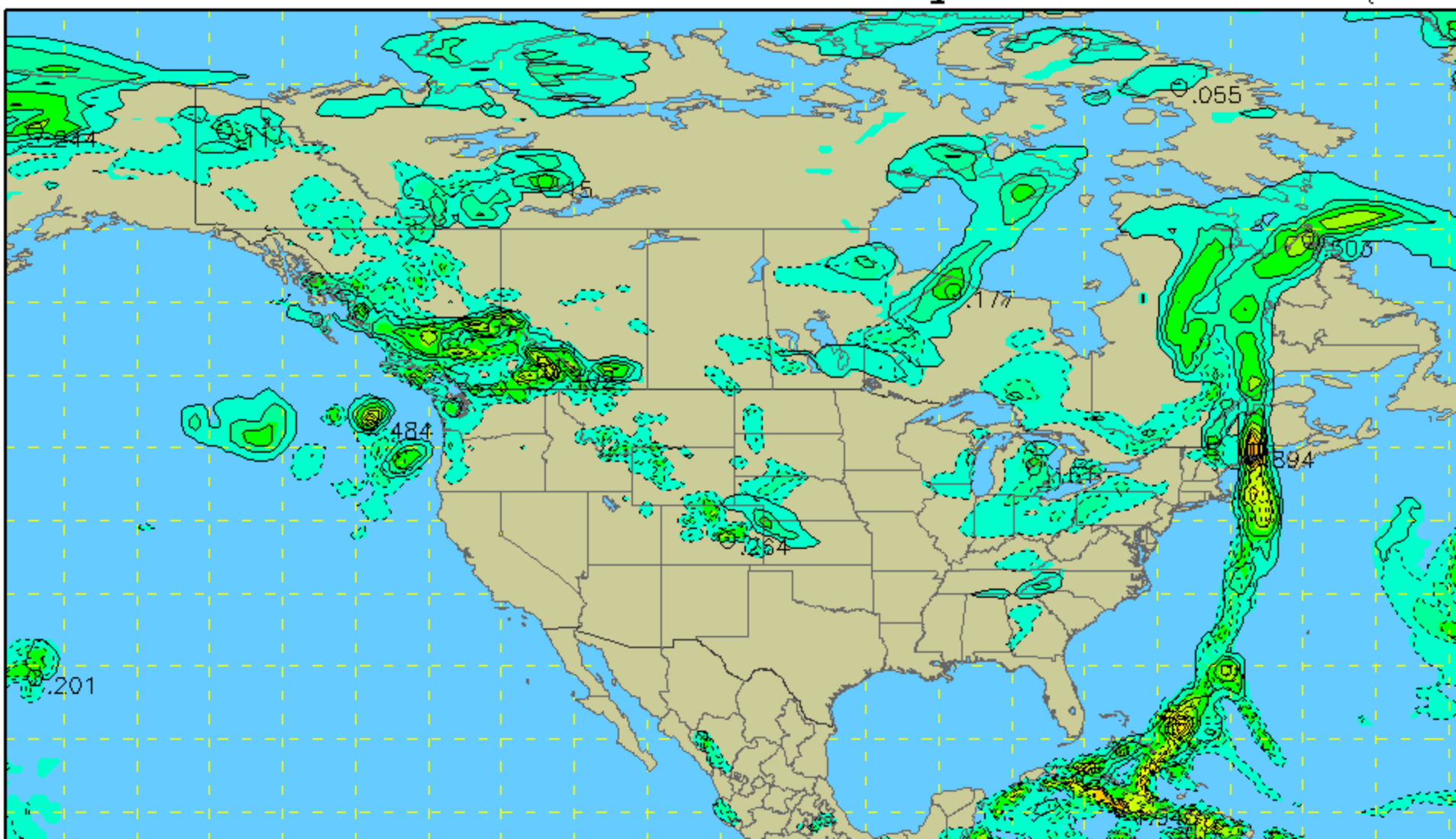

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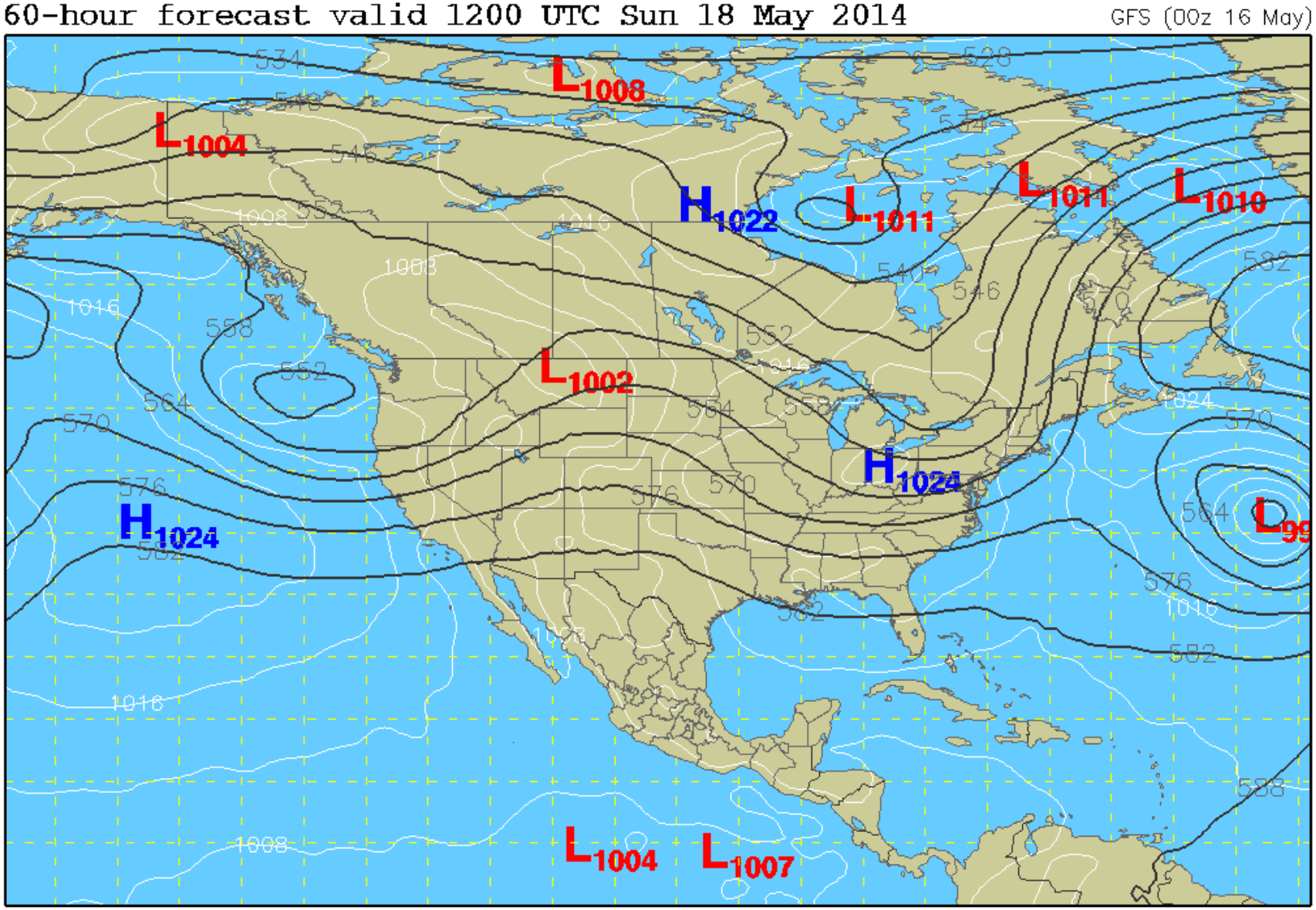
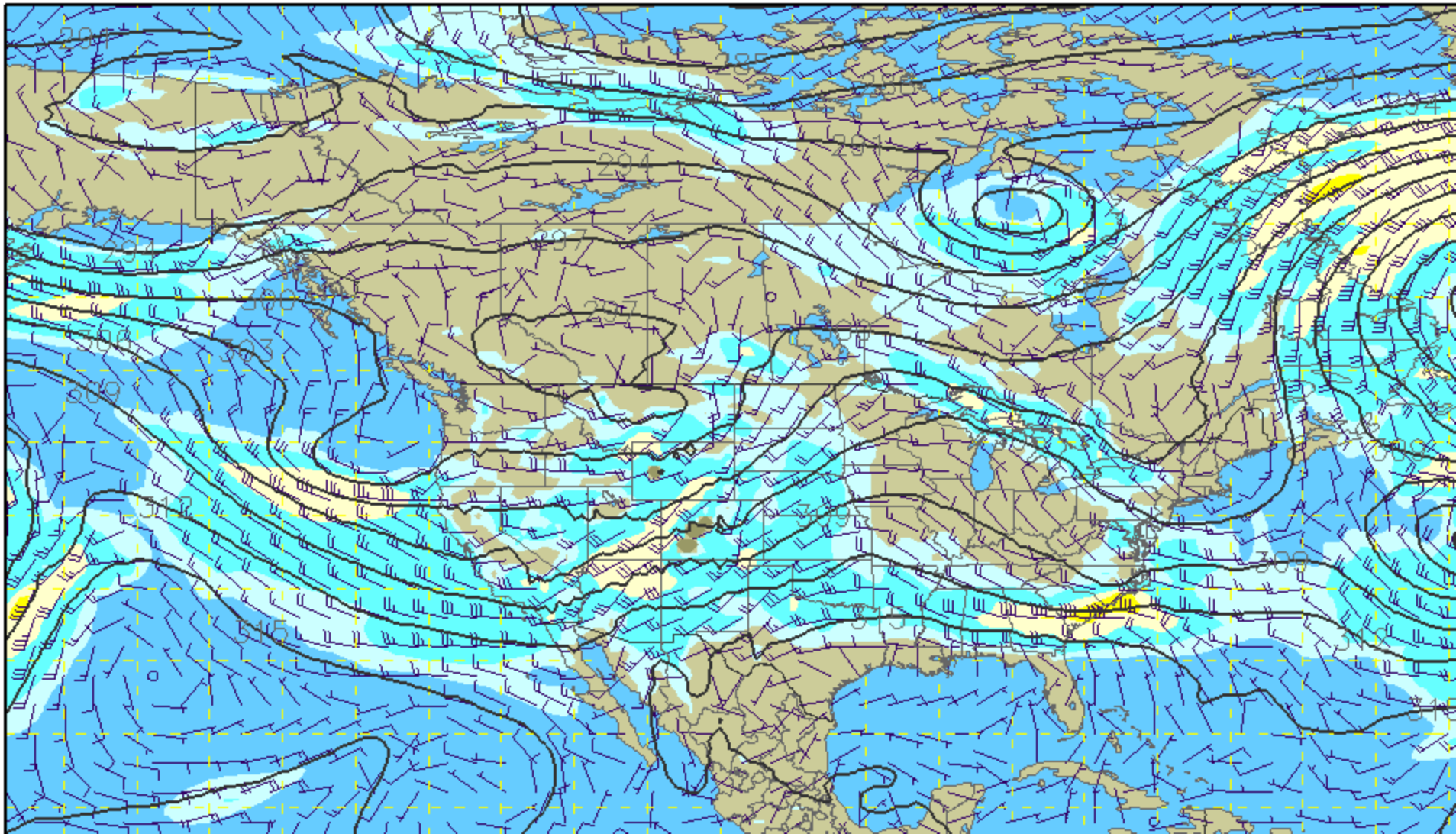
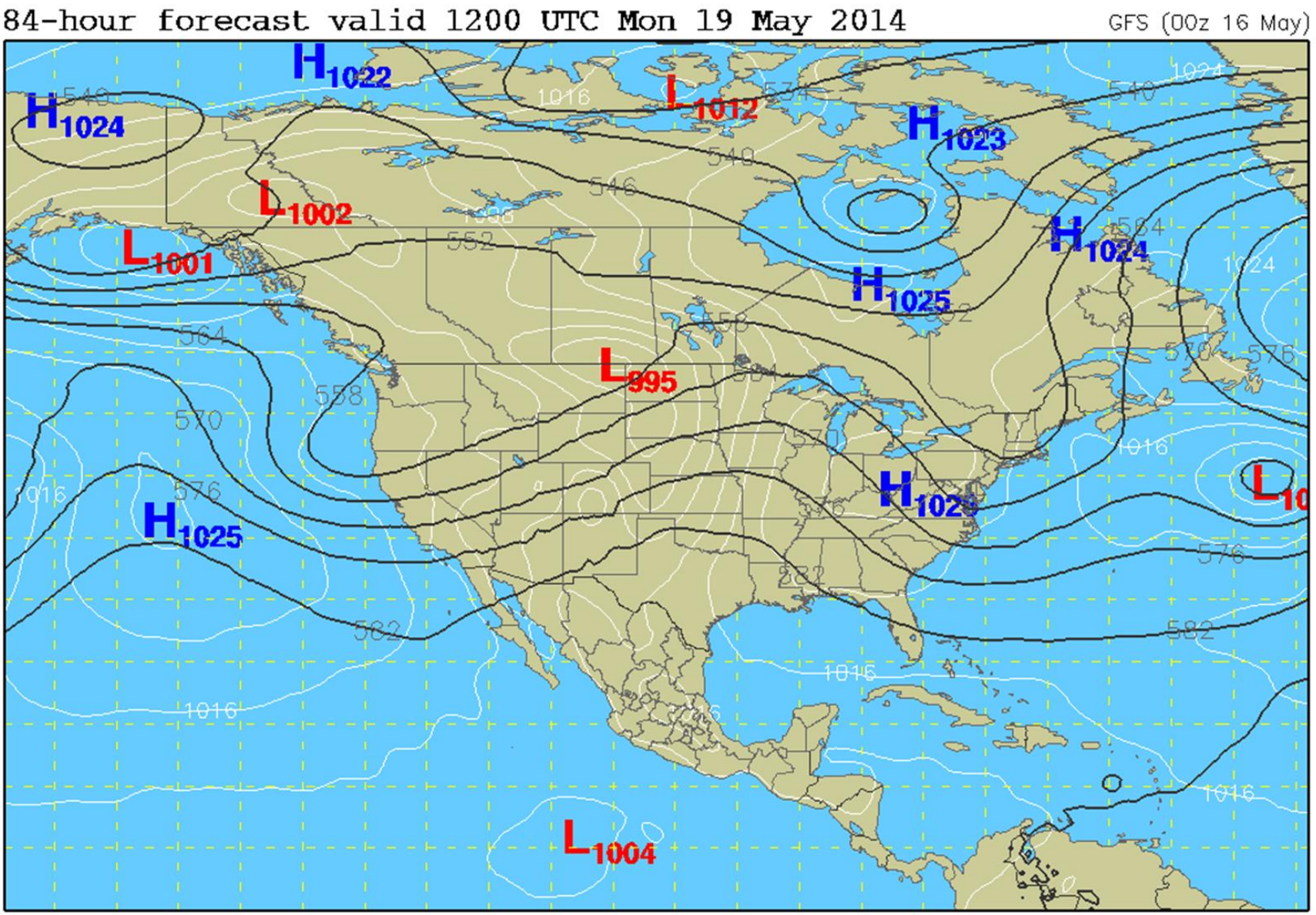


700 mb Heights (dm) / Isotachs (knots)

72-hour forecast valid 0000 UTC Mon 19 May 2014 GFS (00z 1

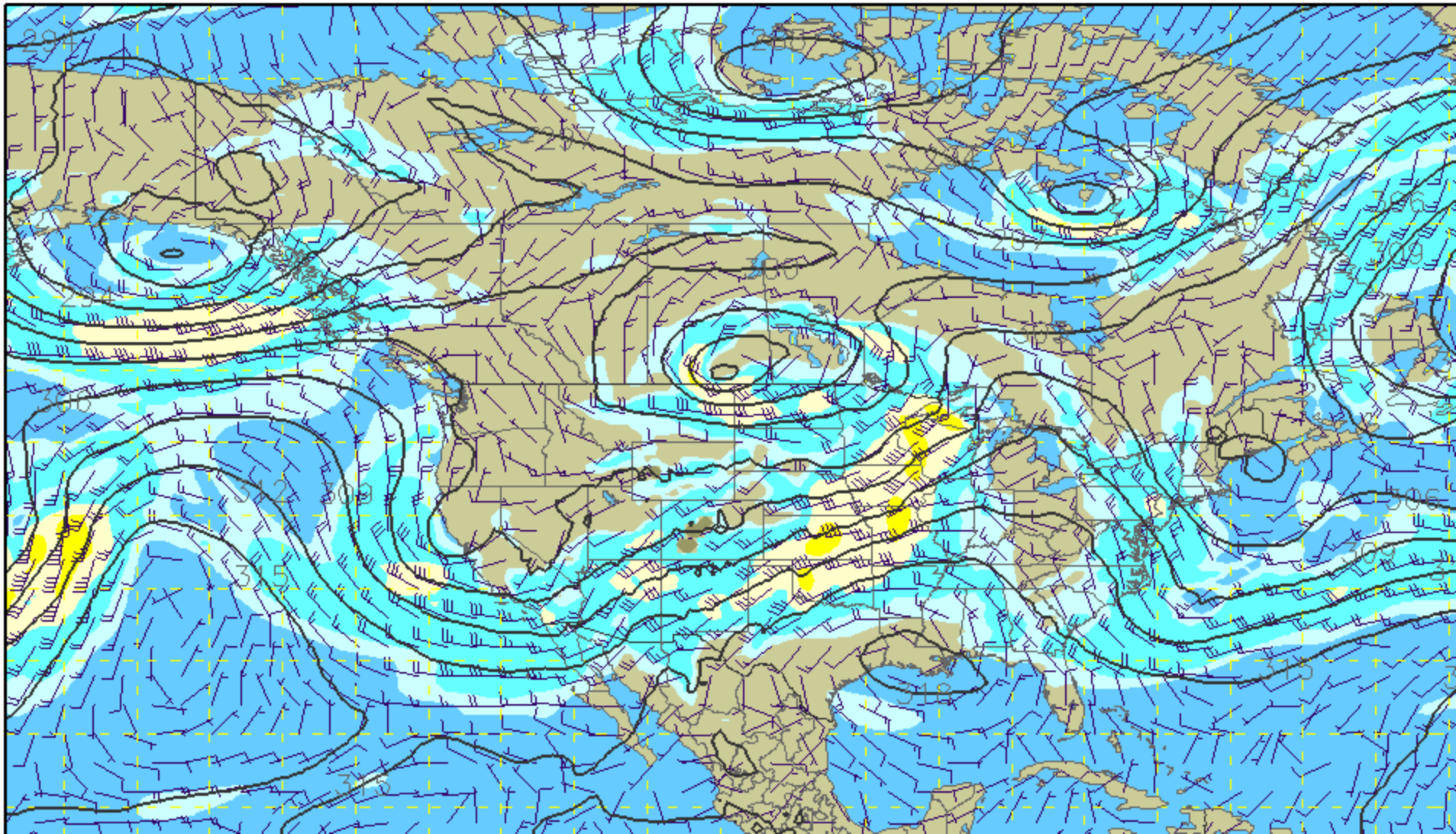


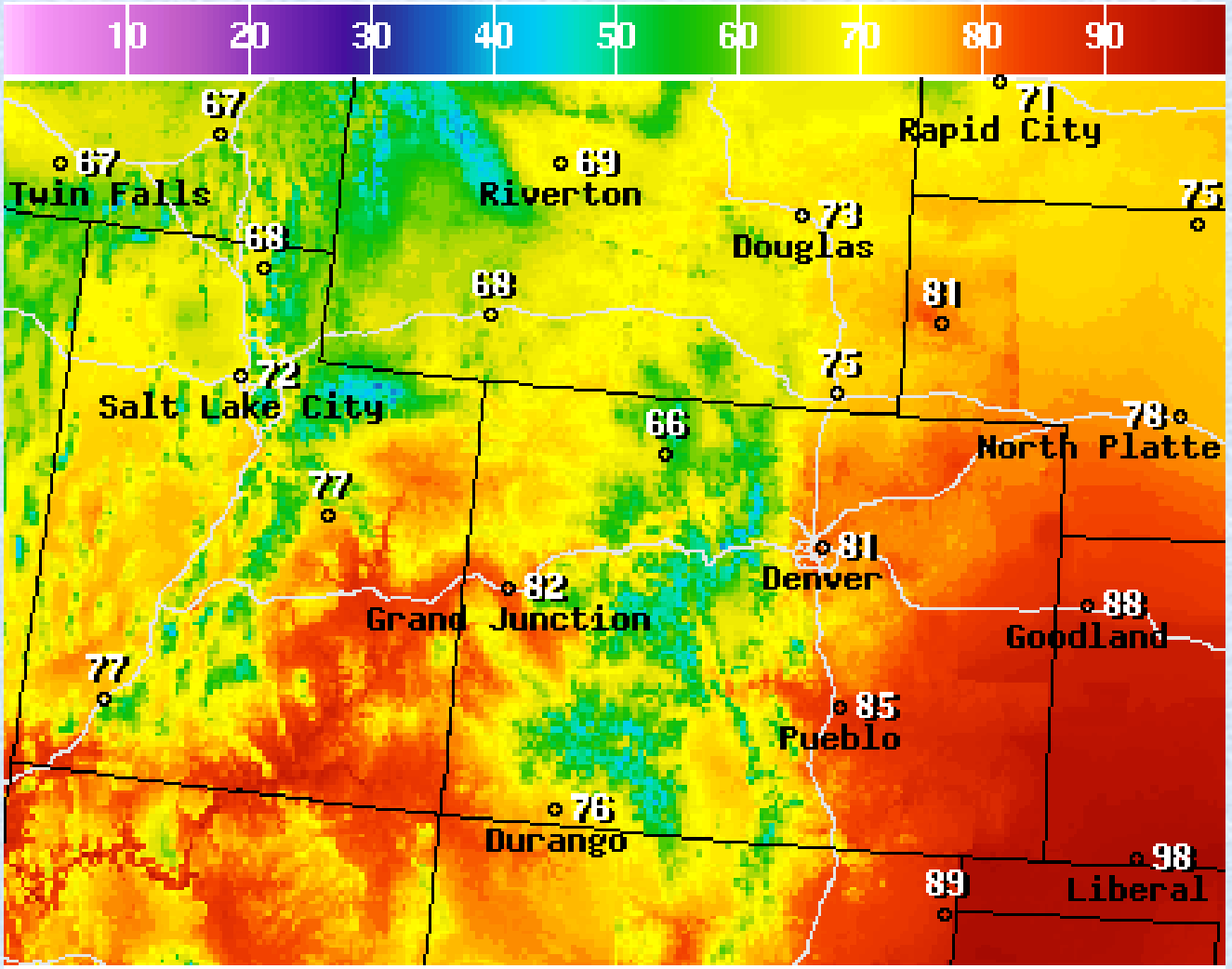
MSLP (mb) / 500 mb Heights (dm)



700 mb Heights (dm) / Isotachs (knots)

96-hour forecast valid 0000 UTC Tue 20 May 2014 GFS (00z 1





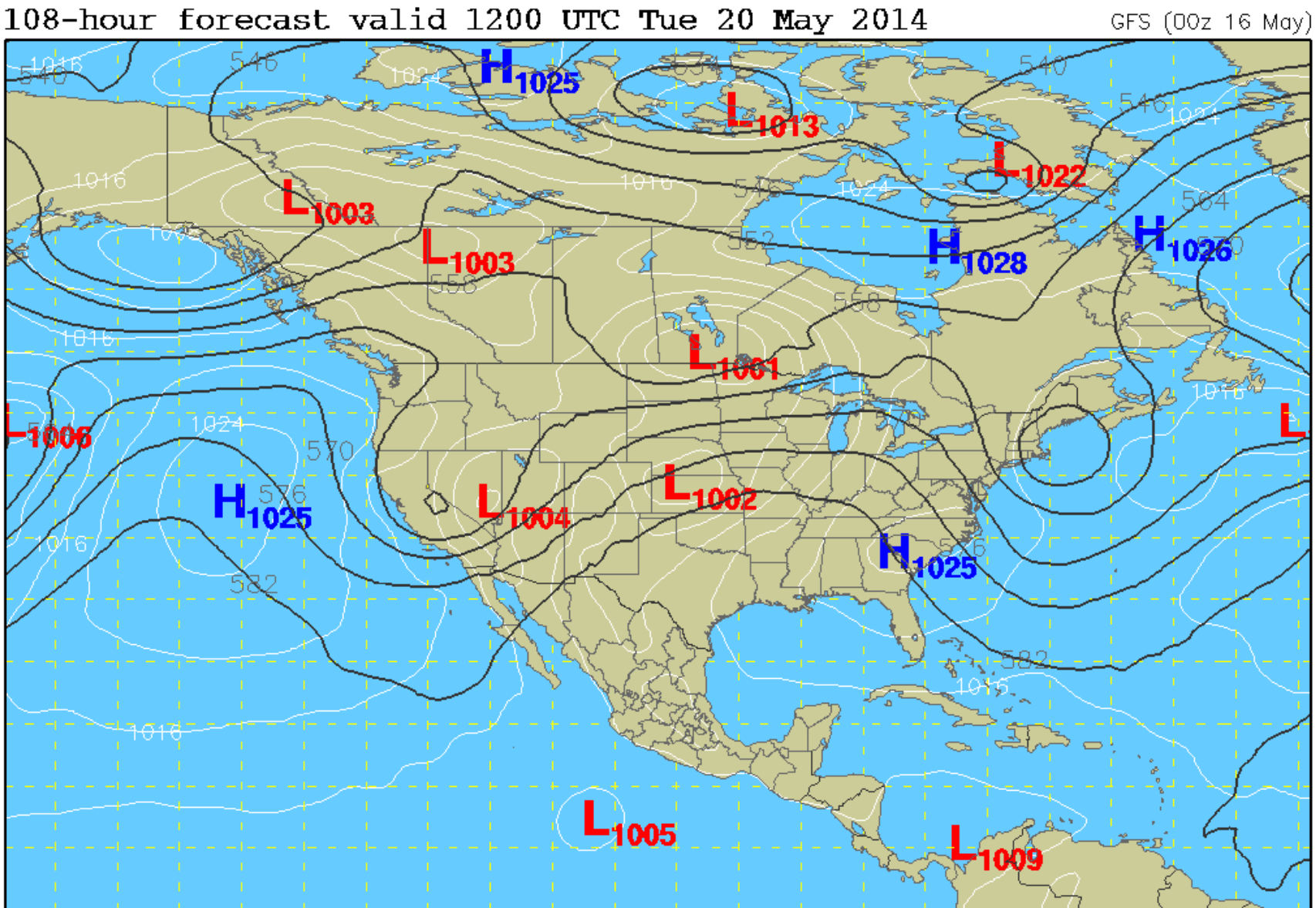
High Temperature(F) Ending Mon May 19 2014 8PM EDT

(Tue May 20 2014 00Z)

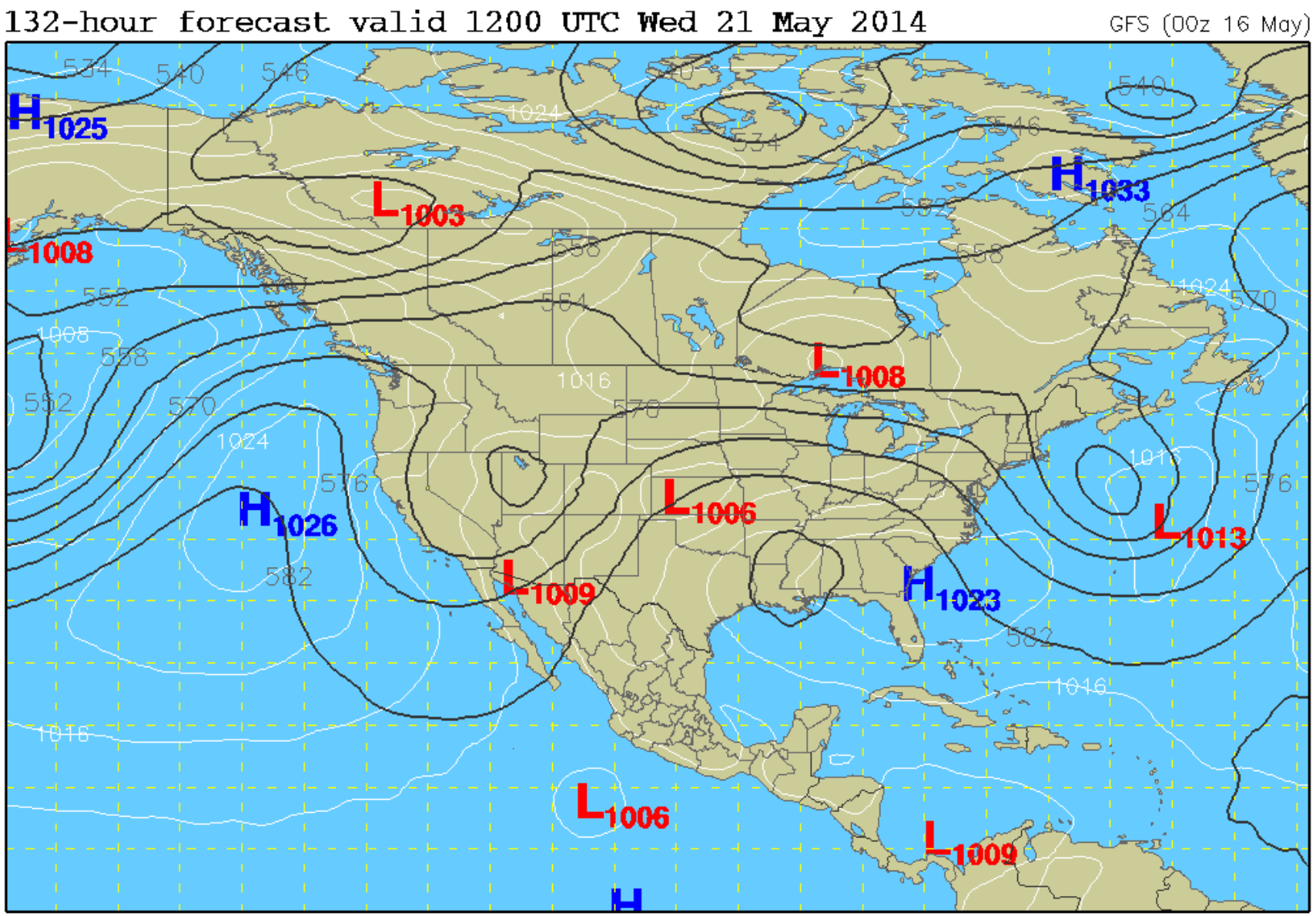
National Digital Forecast Database

12z issuance Graphic created-May 16 8:18AM EDT

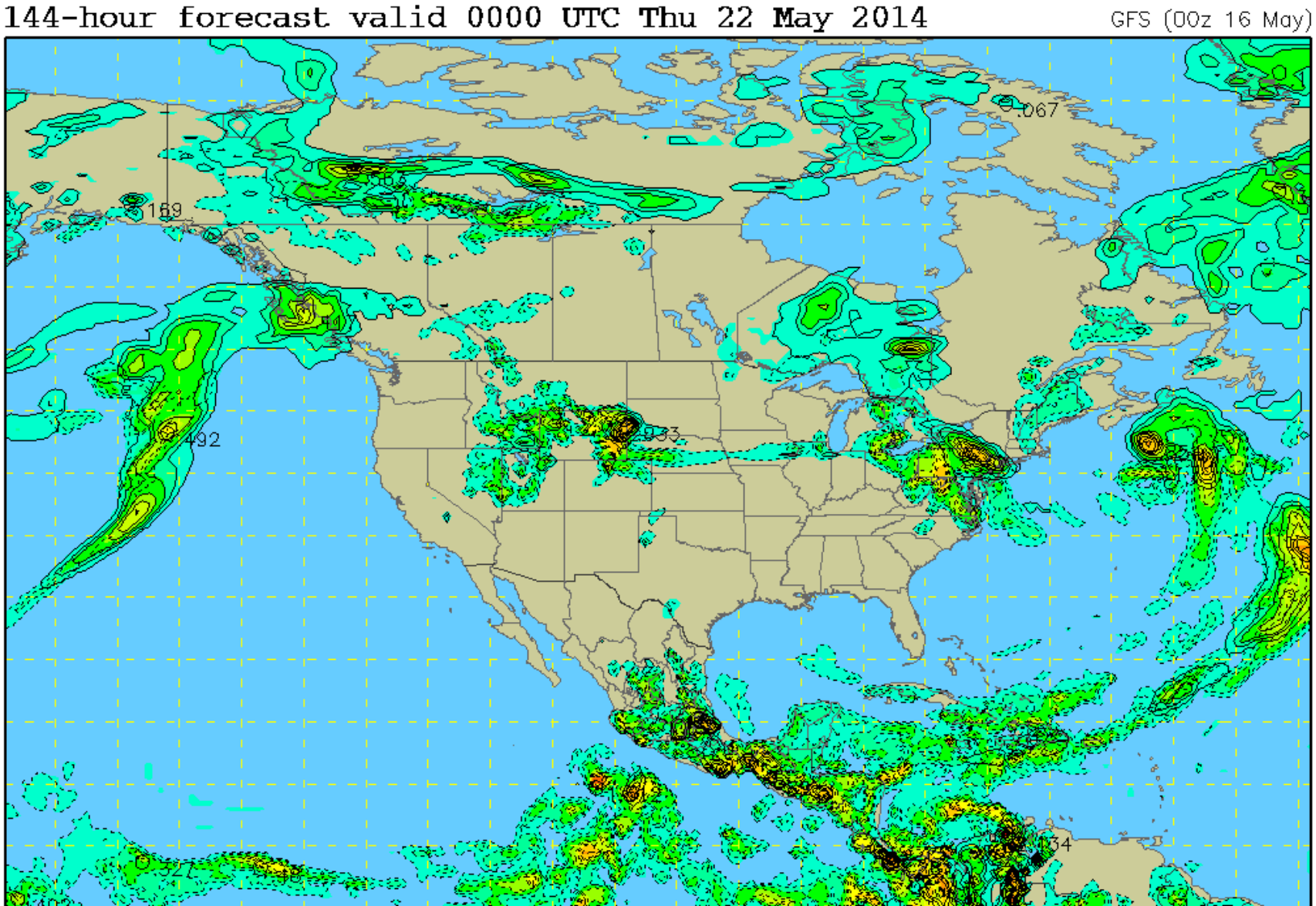
MSLP (mb) / 500 mb Heights (dm)



MSLP (mb) / 500 mb Heights (dm)



6-h accum precip (in) (total-shaded; convect-dashed)



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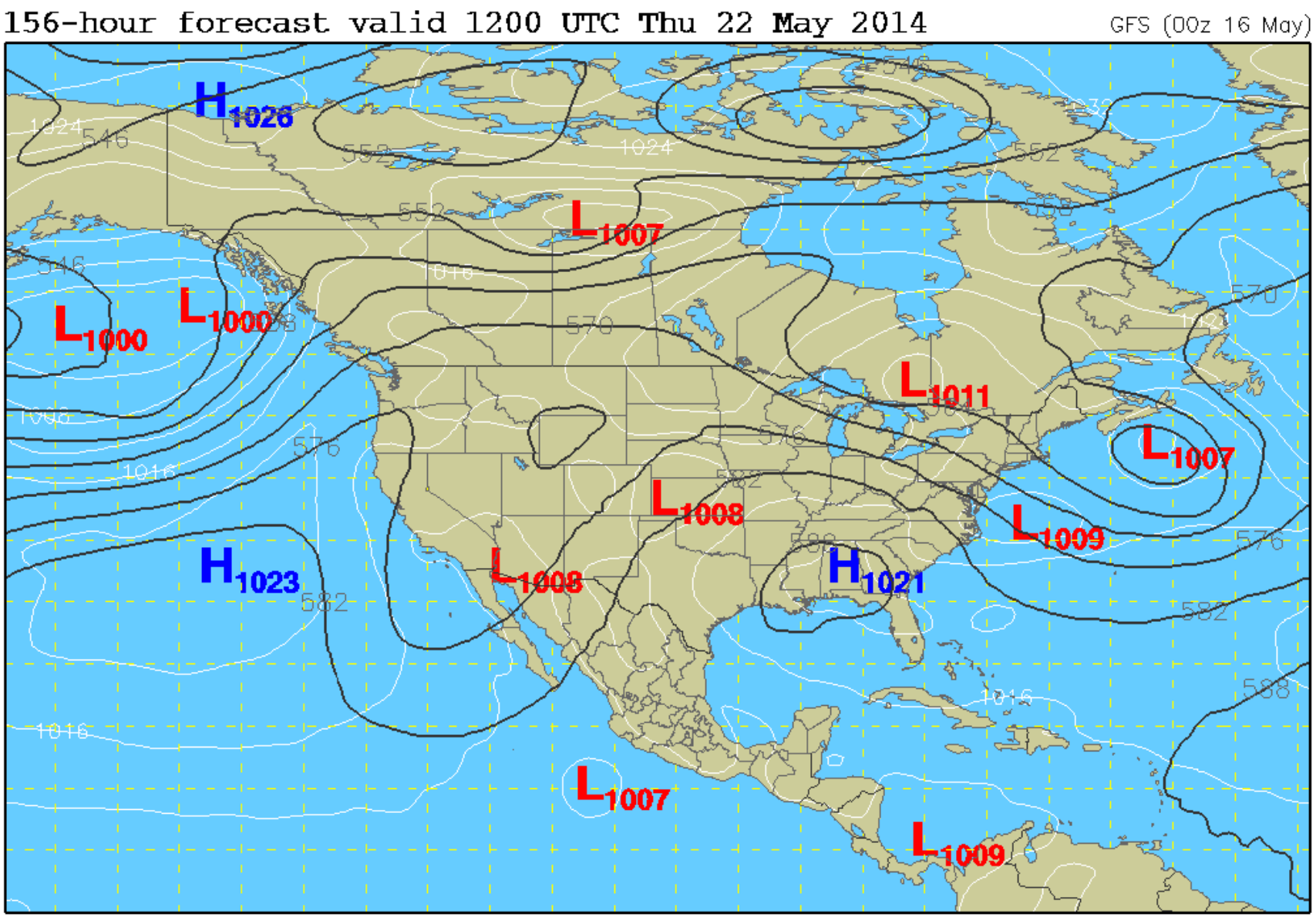

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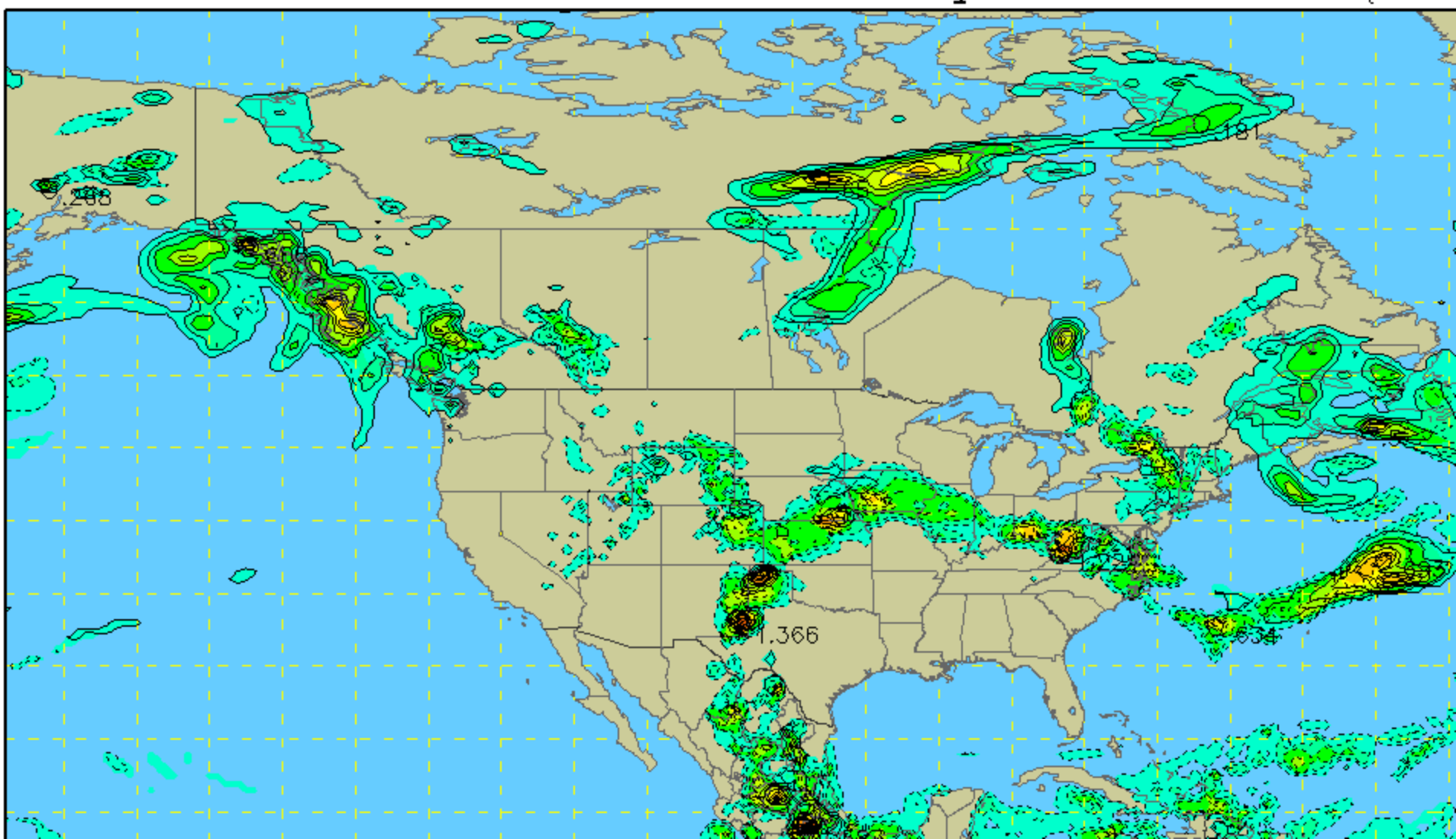
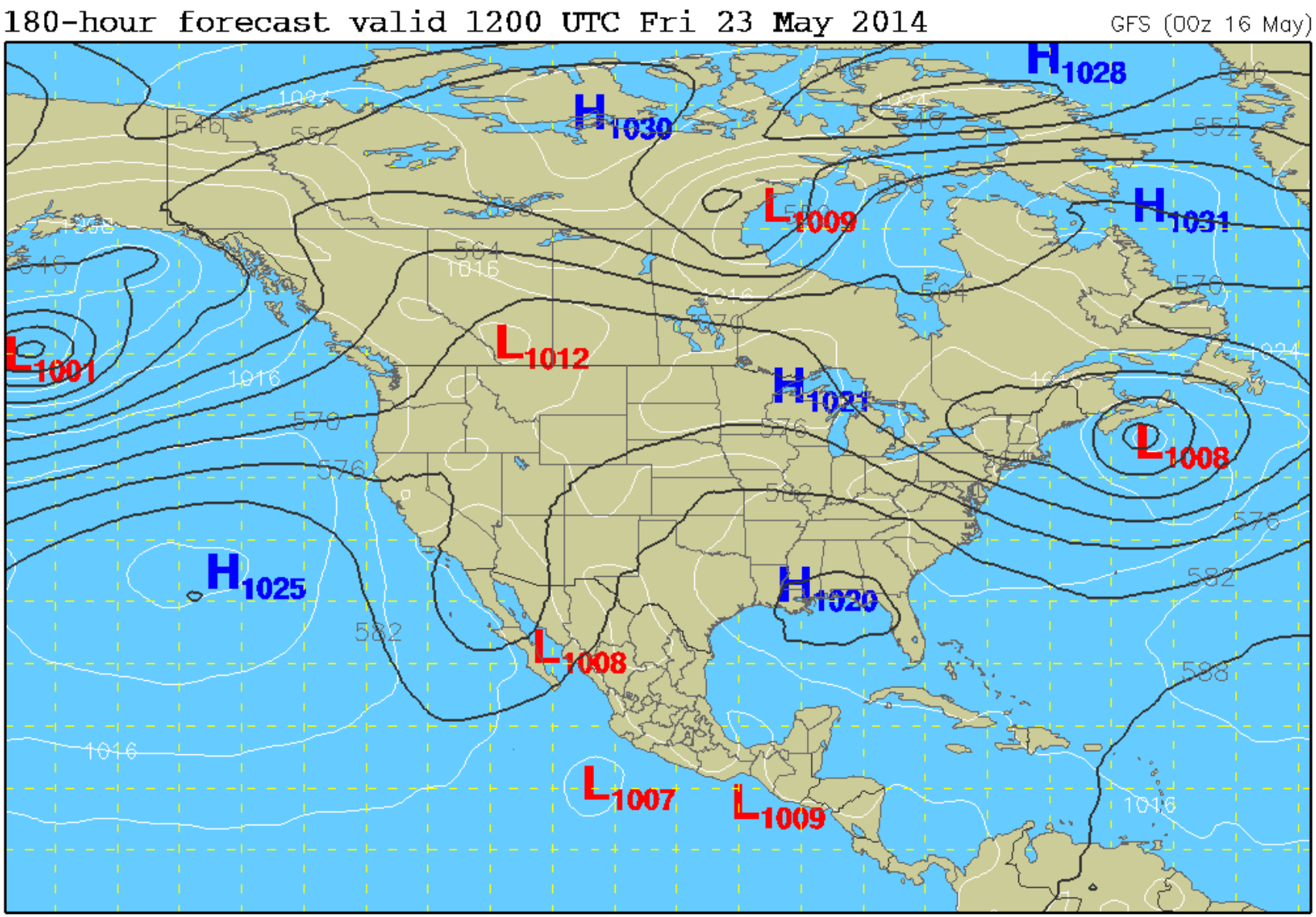
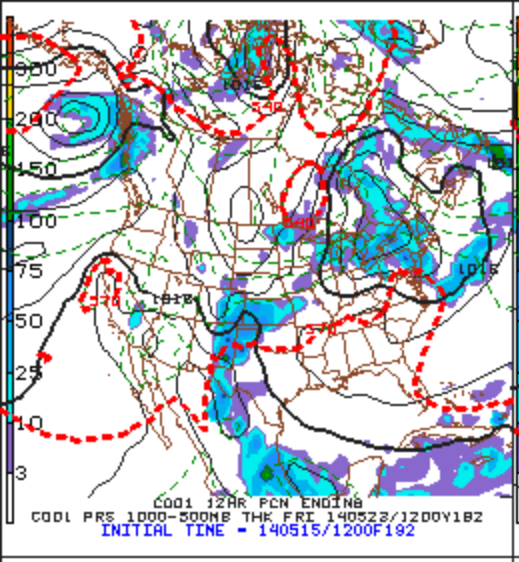


MSLP (mb) / 500 mb Heights (dm)

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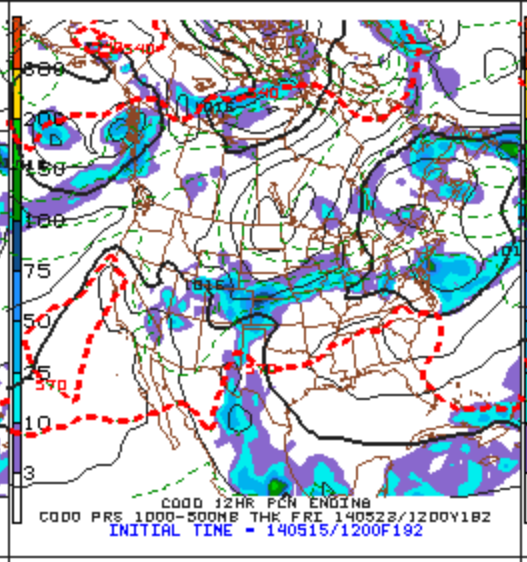
C001 PRS 1000-500MB THK FRI 140522/1200V18Z
INITIAL TIME = 140515/1200F192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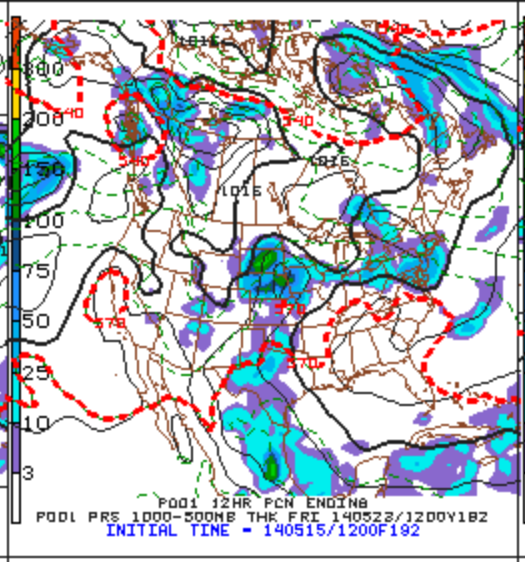
INITIAL TIME = 140515/1200F192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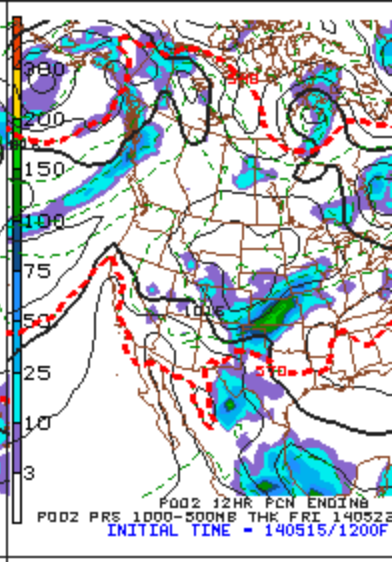
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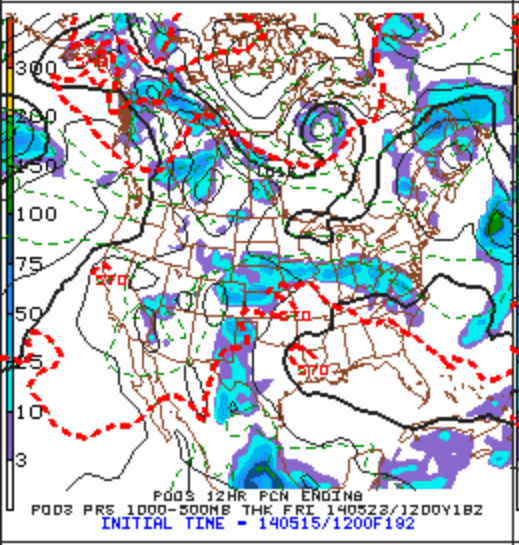
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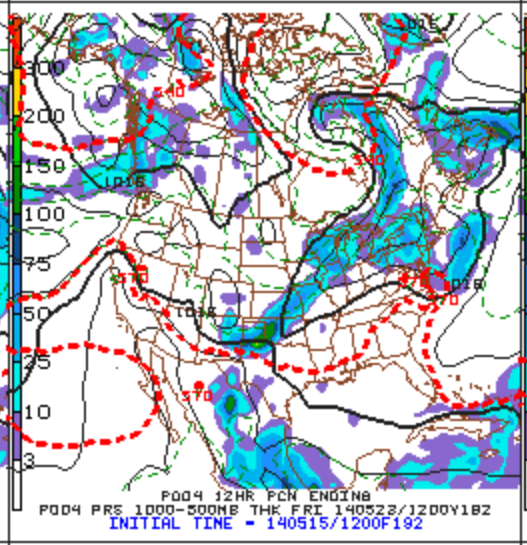
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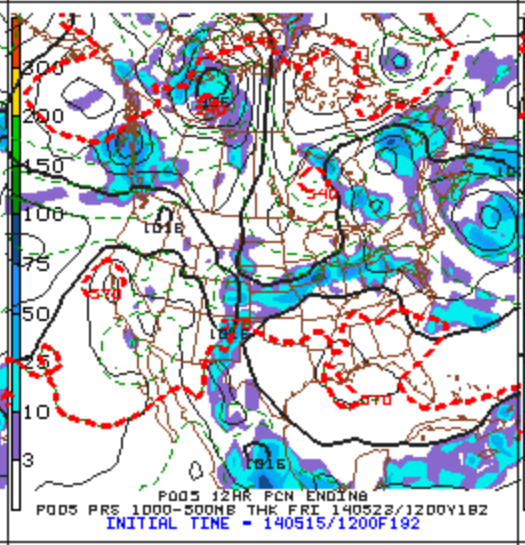
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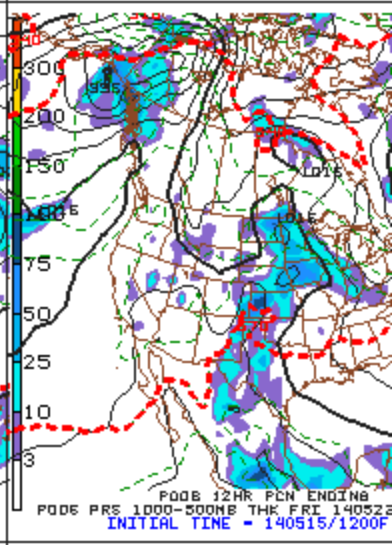
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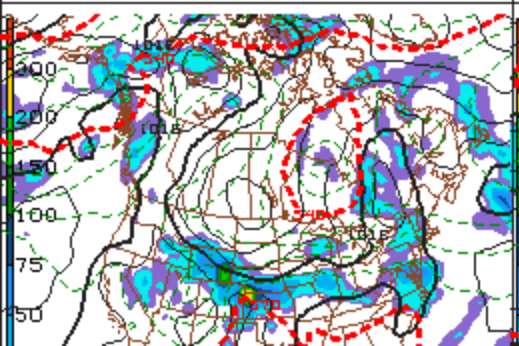
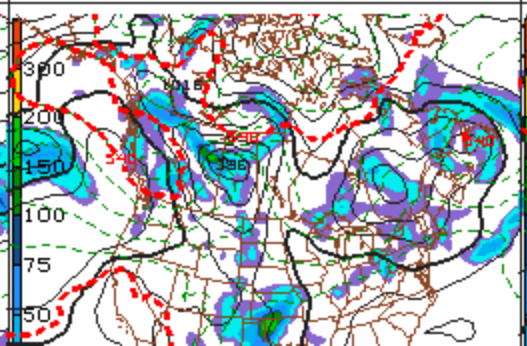
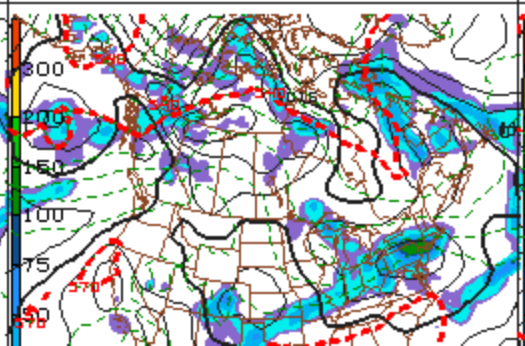
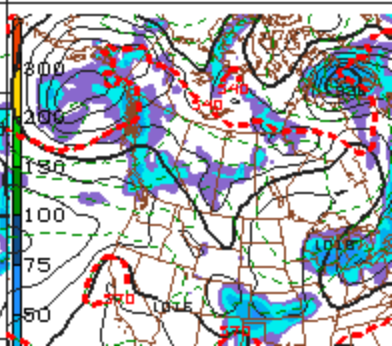


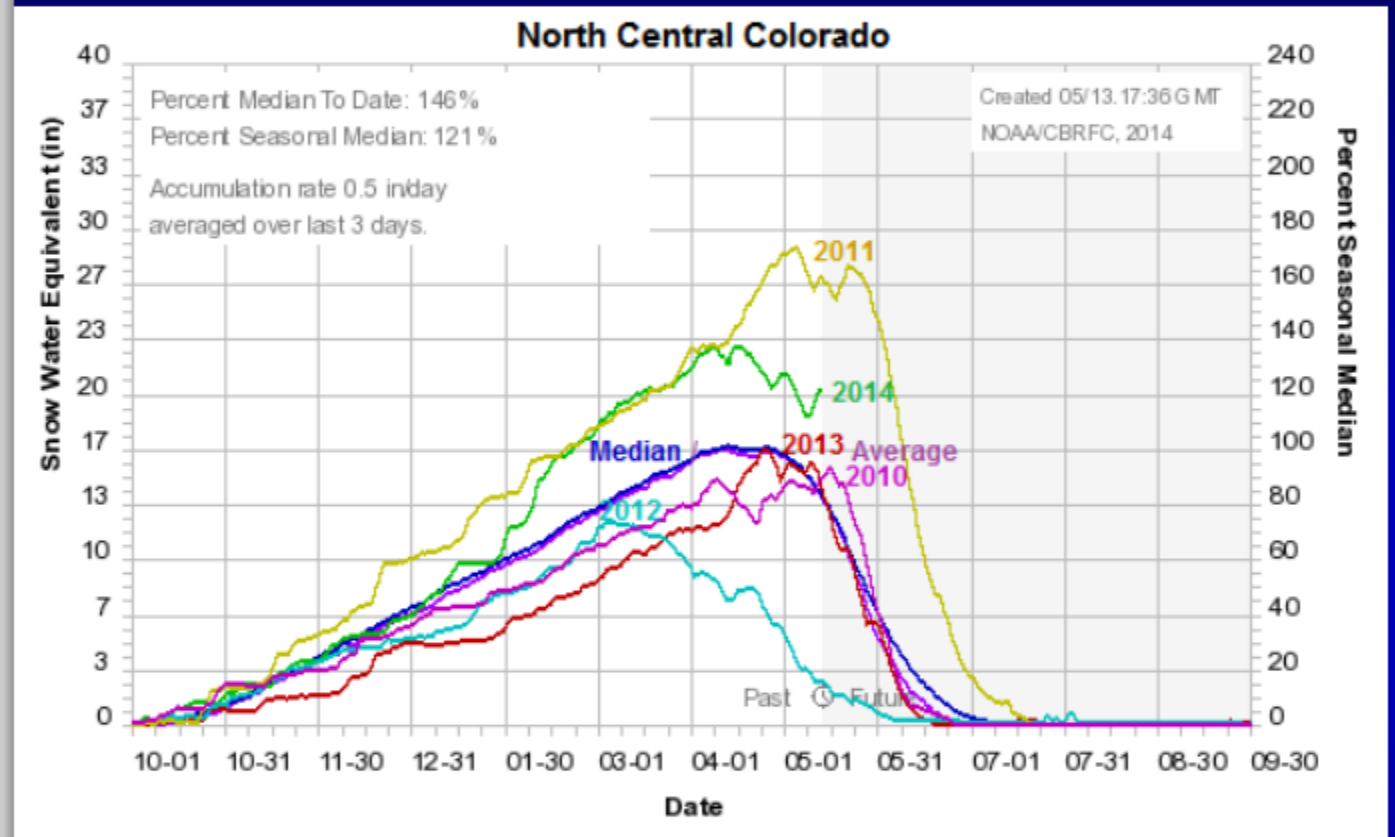






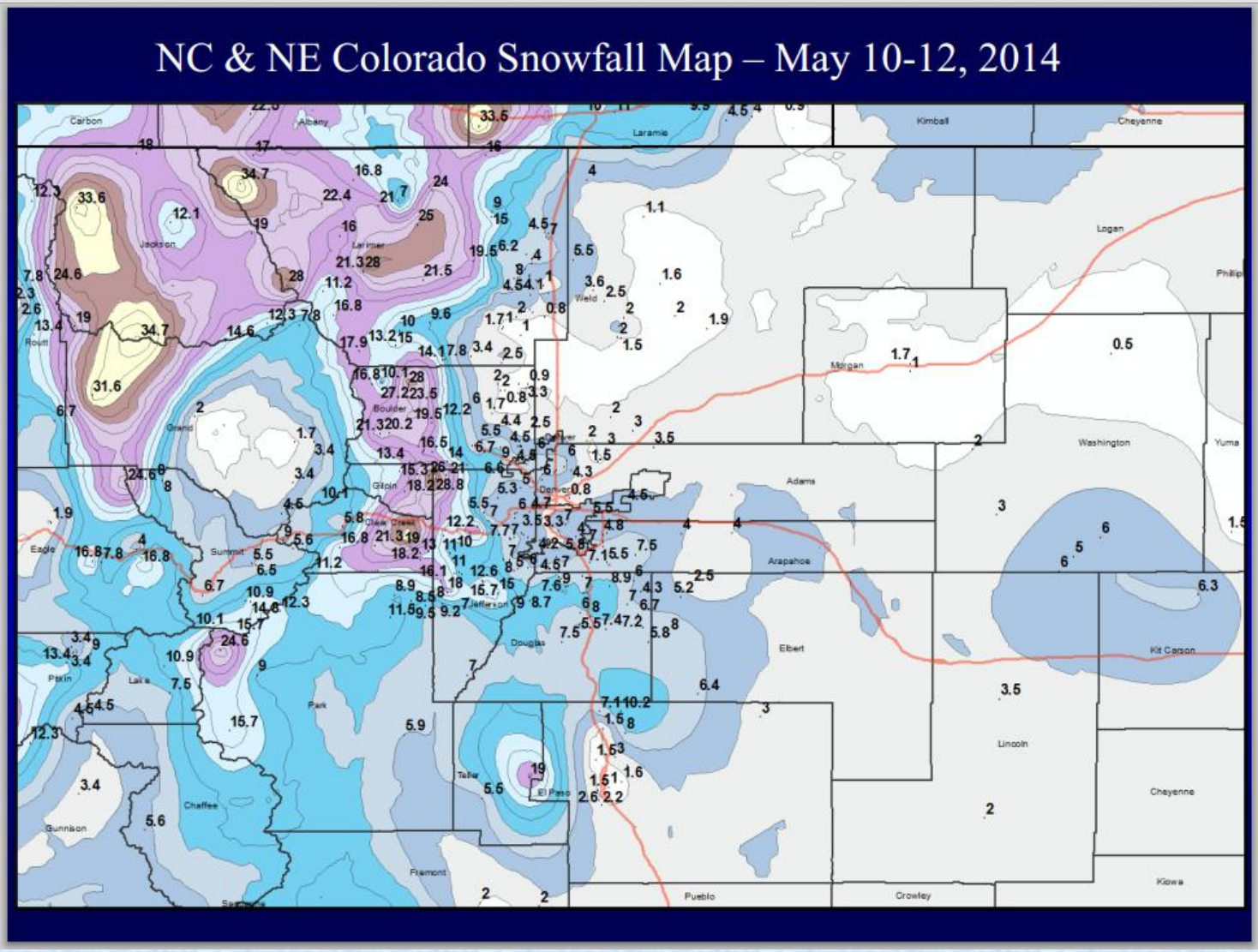
Mountain Snowpack Timeseries Graph through May 13th, 2014

(each line is a year of mountain snowpack)



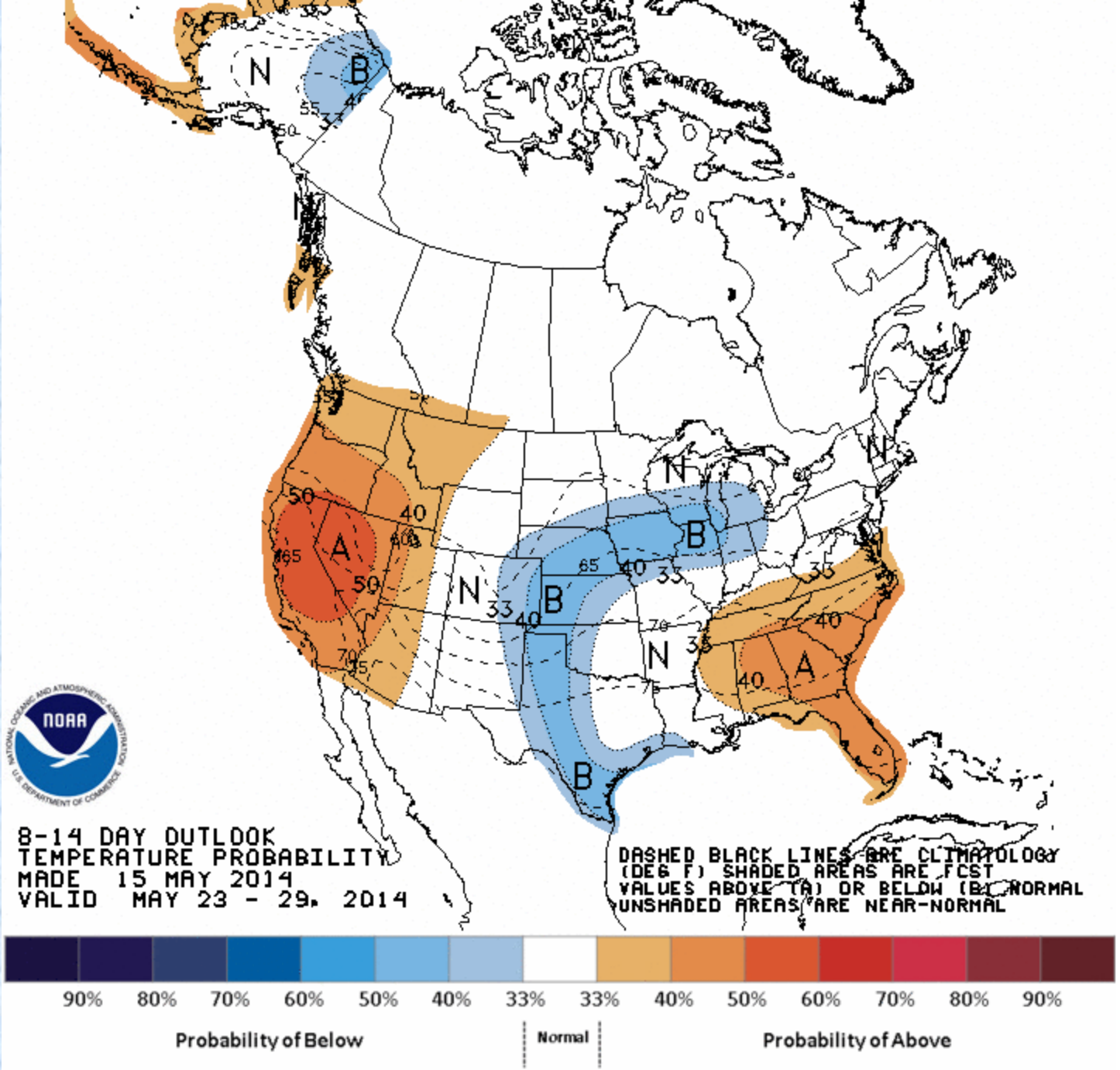
The May 13th, 2014 snowpack in the north central Colorado mountains was on the rise again, but remained well below the 2011 snowpack.

NC & NE Colorado Snowfall Map – May 10-12, 2014



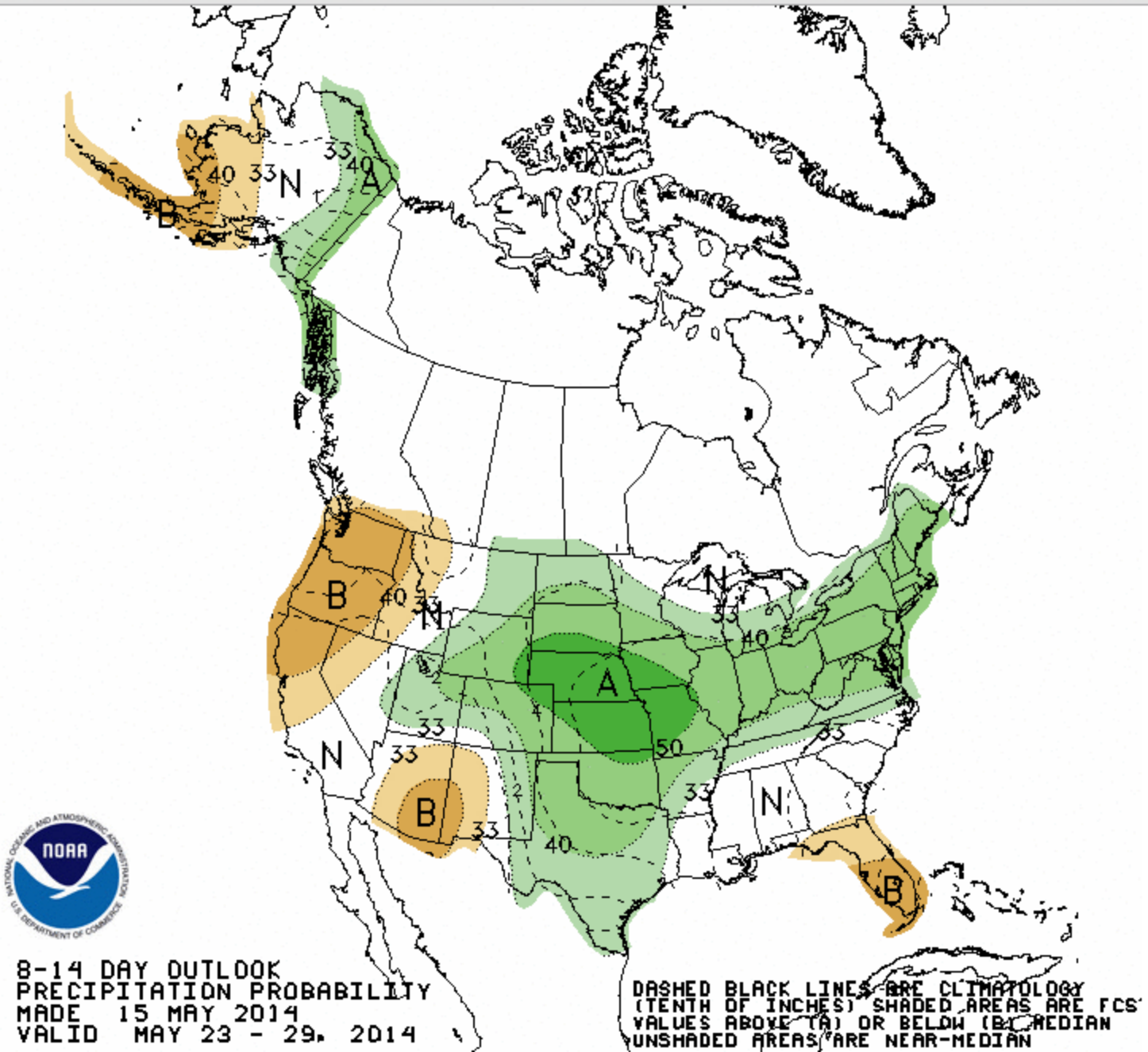
Factors that will impact mountain snowmelt

- Stream levels during the melt.
- Groundwater/soil moisture.
- Future snow
- When the snow melts
- How fast the snowpack melts
- Future rainfall amounts and timing
- Whether rain (especially a warm rain) falls on the snowpack.


8-14 DAY OUTLOOK
TEMPERATURE PROBABILITY
MADE 15 MAY 2014
VALID MAY 23 - 29, 2014
DASHED BLACK LINES ARE CLIMATOLOGY (DEG F) SHADED AREAS ARE FCST VALUES ABOVE (A) OR BELOW (B) NORMAL UNSHADED AREAS ARE NEAR-NORMAL
90% 80% 70% 60% 50% 40% 33% 33% 40% 50% 60% 70% 80% 90%
Probability of Below
Normal
Probability of Above

National Weather Service Te | AVN(GFS) ENSEMBLE LOOP | Inbox (114) - robert.glancy | My Drive - Google Drive | Untitled

www.cpc.ncep.noaa.gov/products/predictions/814day/814prcp.new.gif



8-14 DAY OUTLOOK
PRECIPITATION PROBABILITY
MADE 15 MAY 2014
VALID MAY 23 - 29, 2014

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