

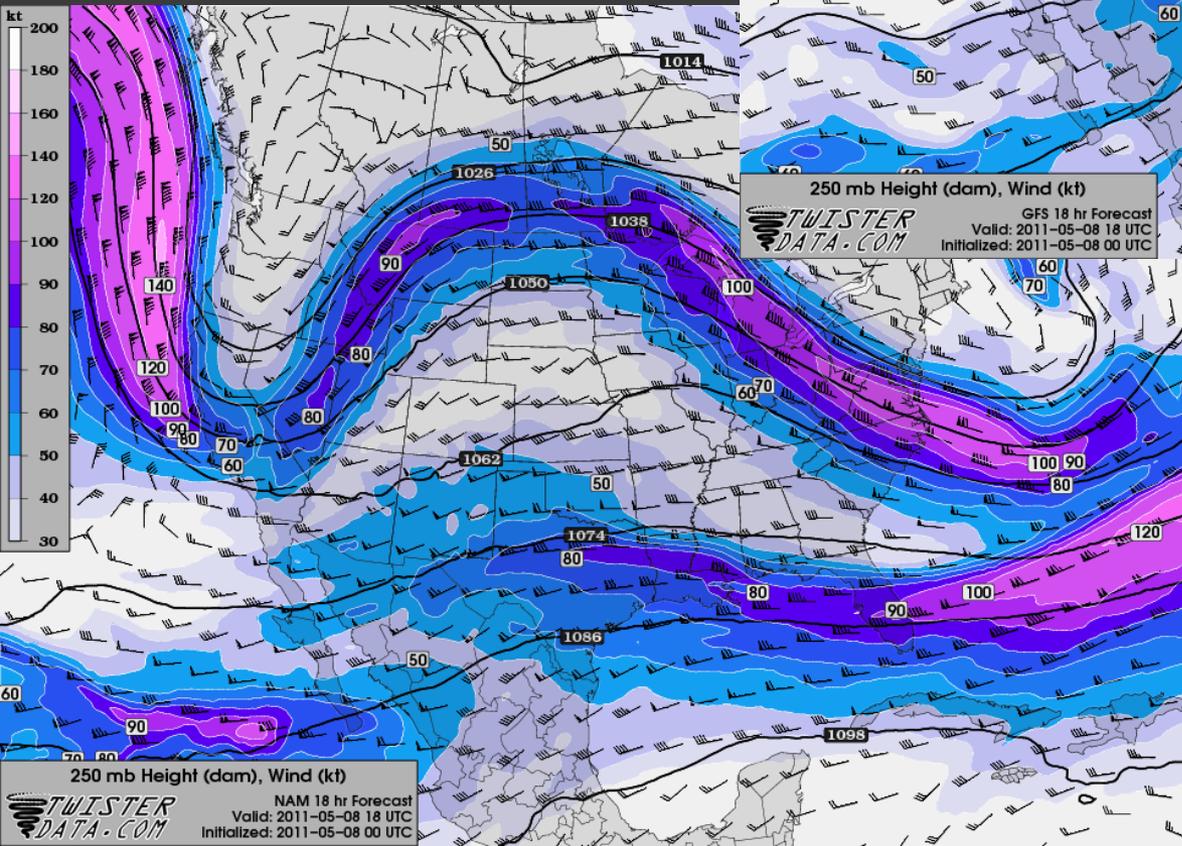
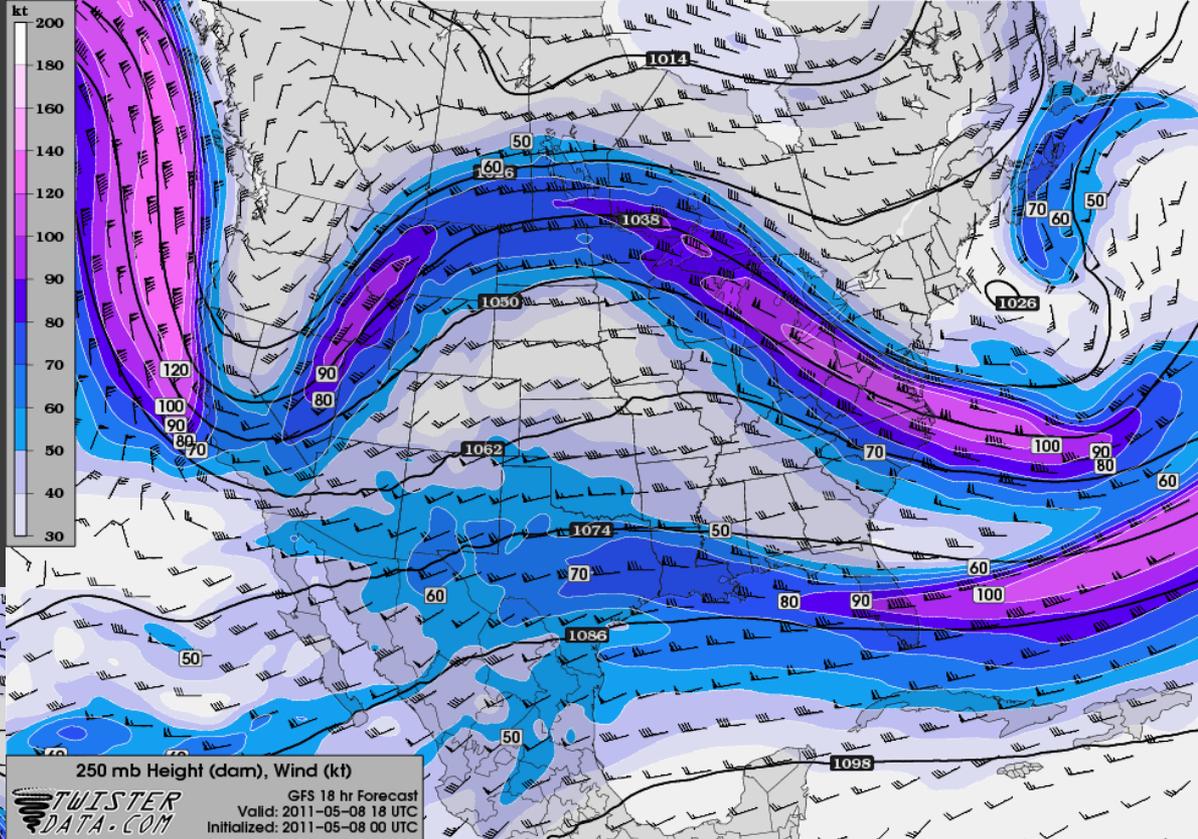
Friday April 29, 2011

MC3E WEATHER BRIEFING

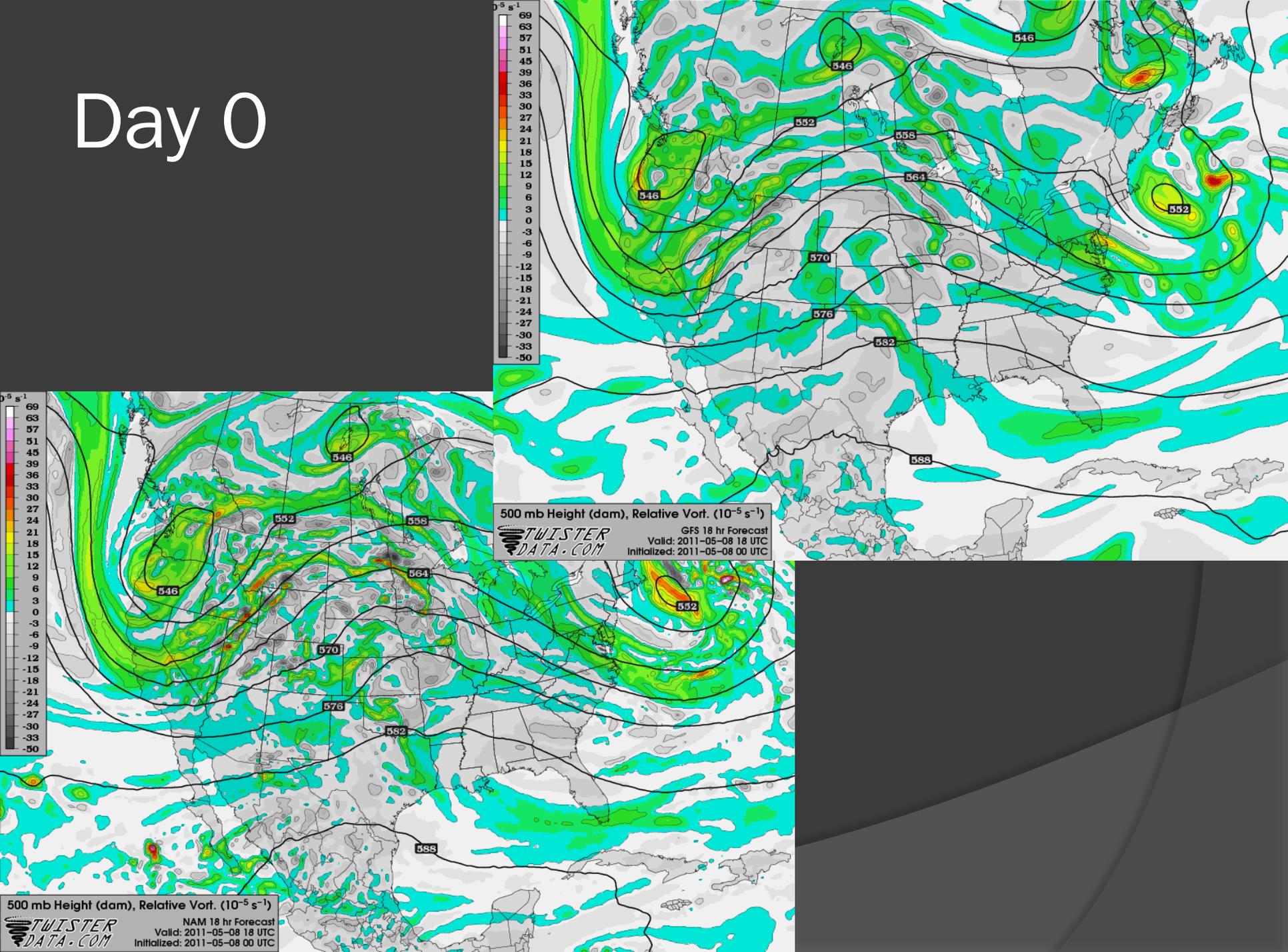
Observations Tour

<http://www.rap.ucar.edu/weather/satellite/>

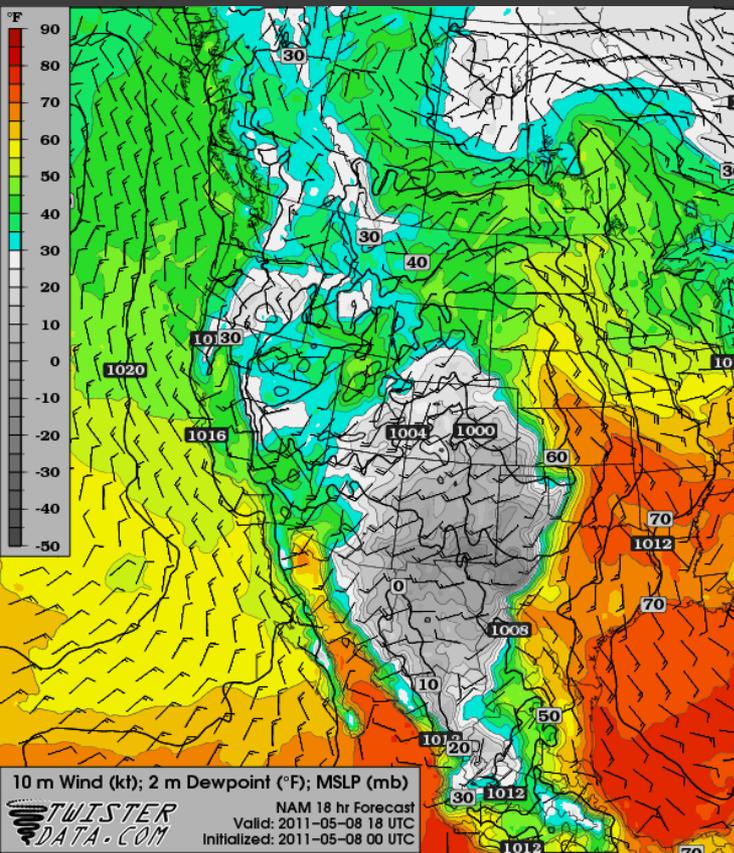
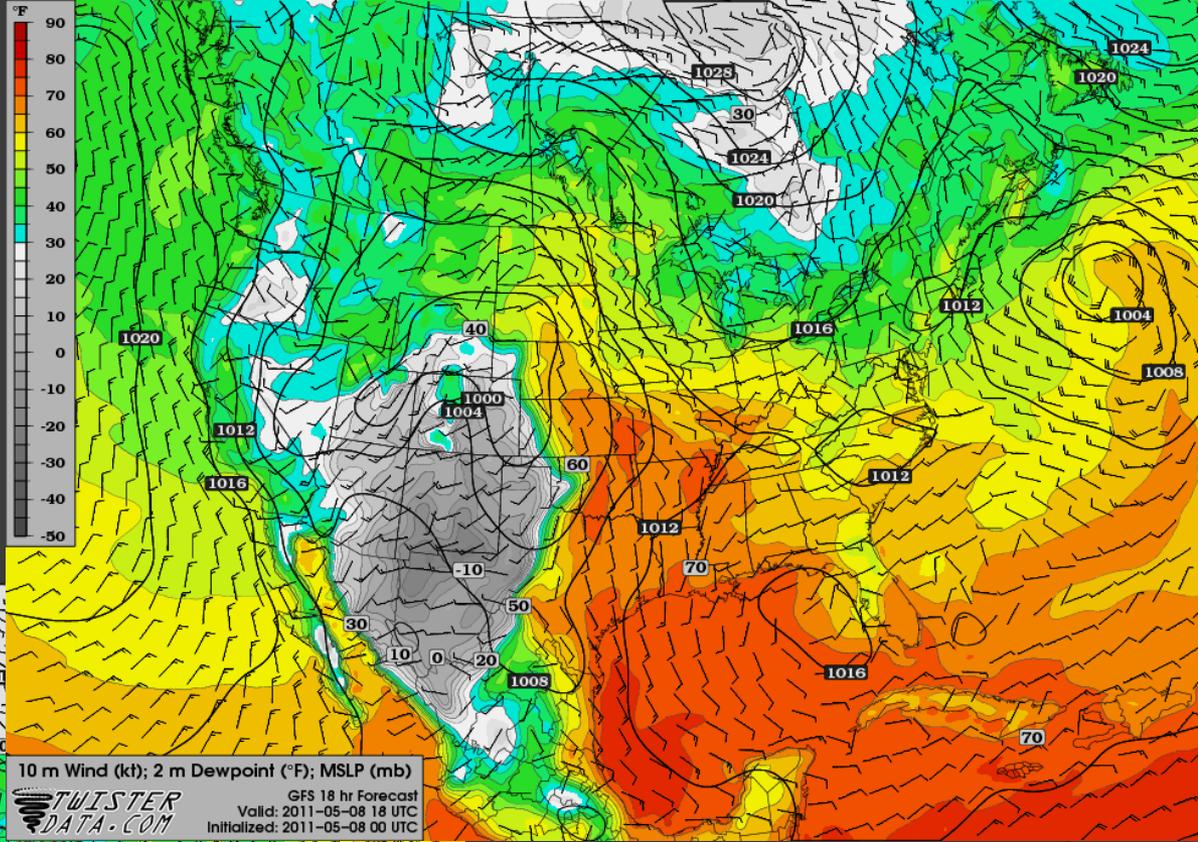
Day 0



Day 0

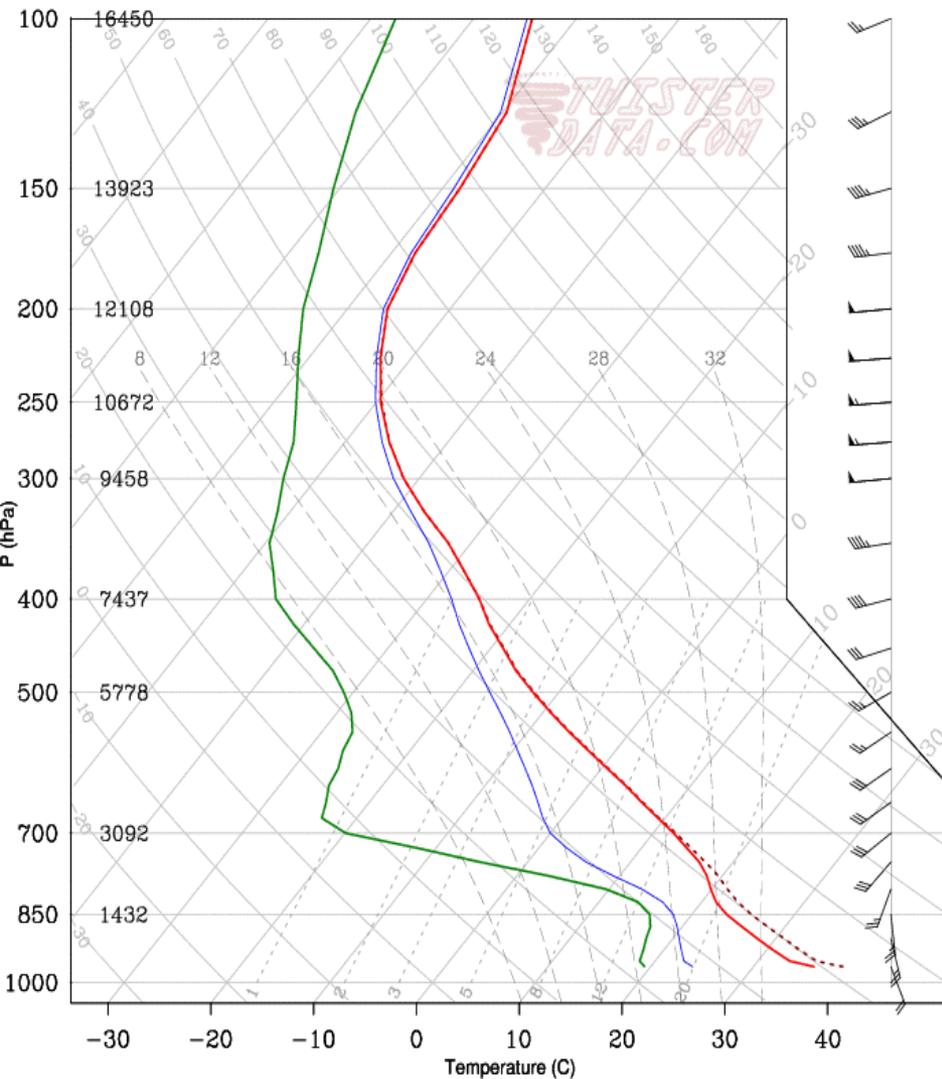


Day 0

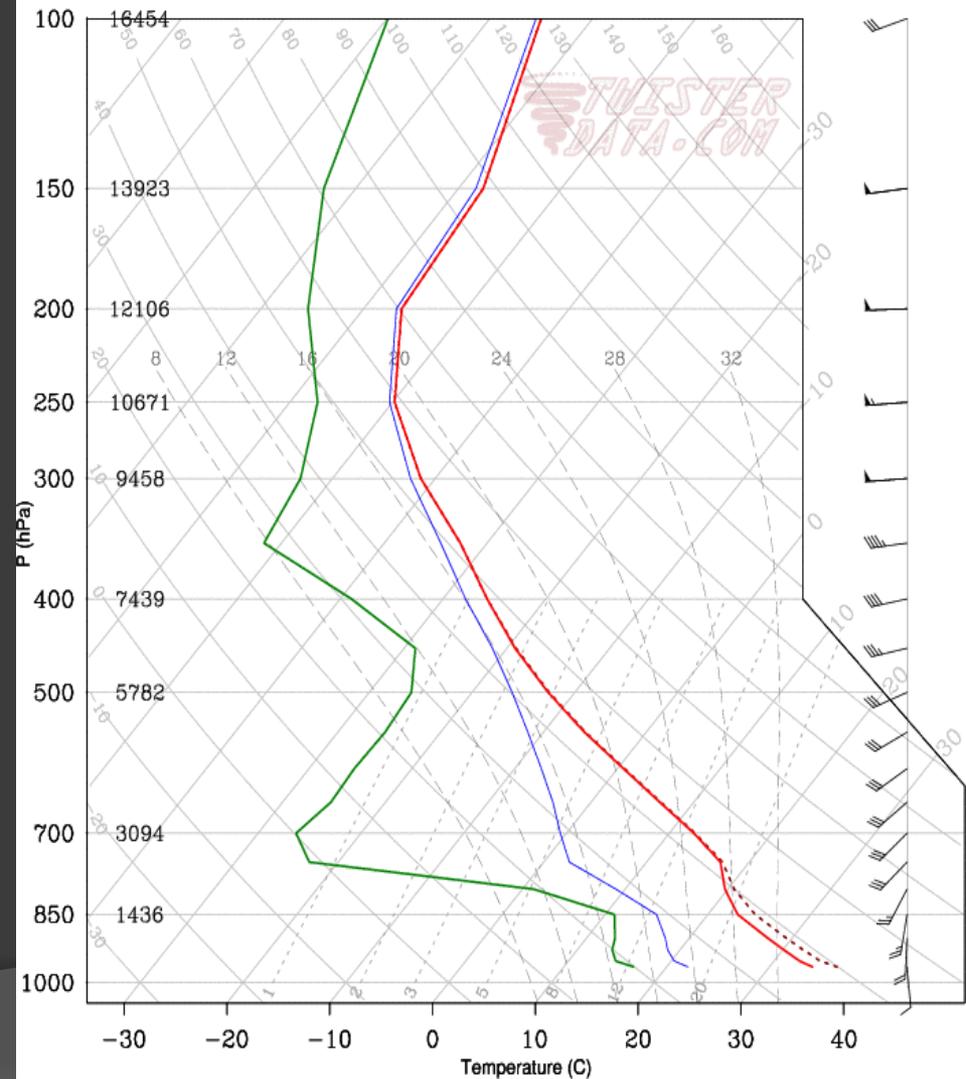


Day 0

NAM Sounding | 21 UTC Sun 08 May 2011 | Lat 36.4897 | Lon -97.4913

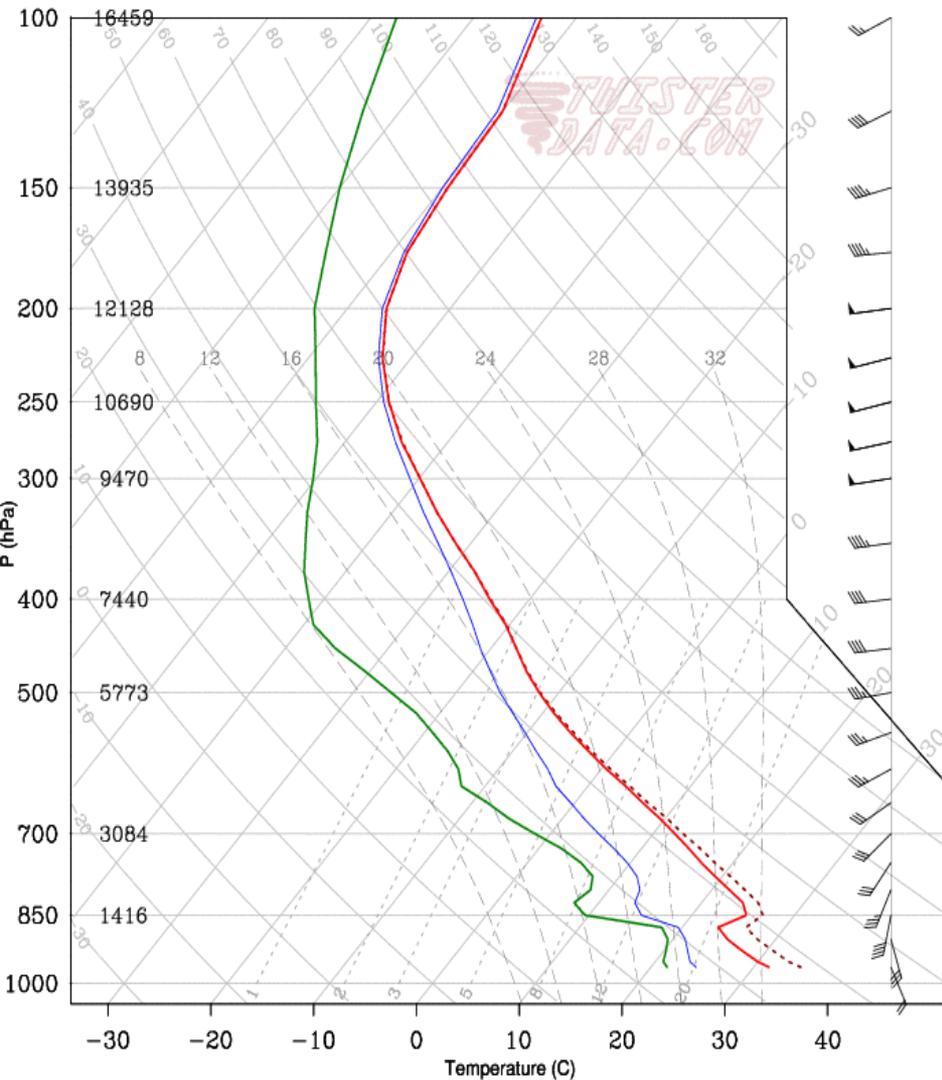


GFS Sounding | 21 UTC Sun 08 May 2011 | Lat 36.5000 | Lon -97.5000

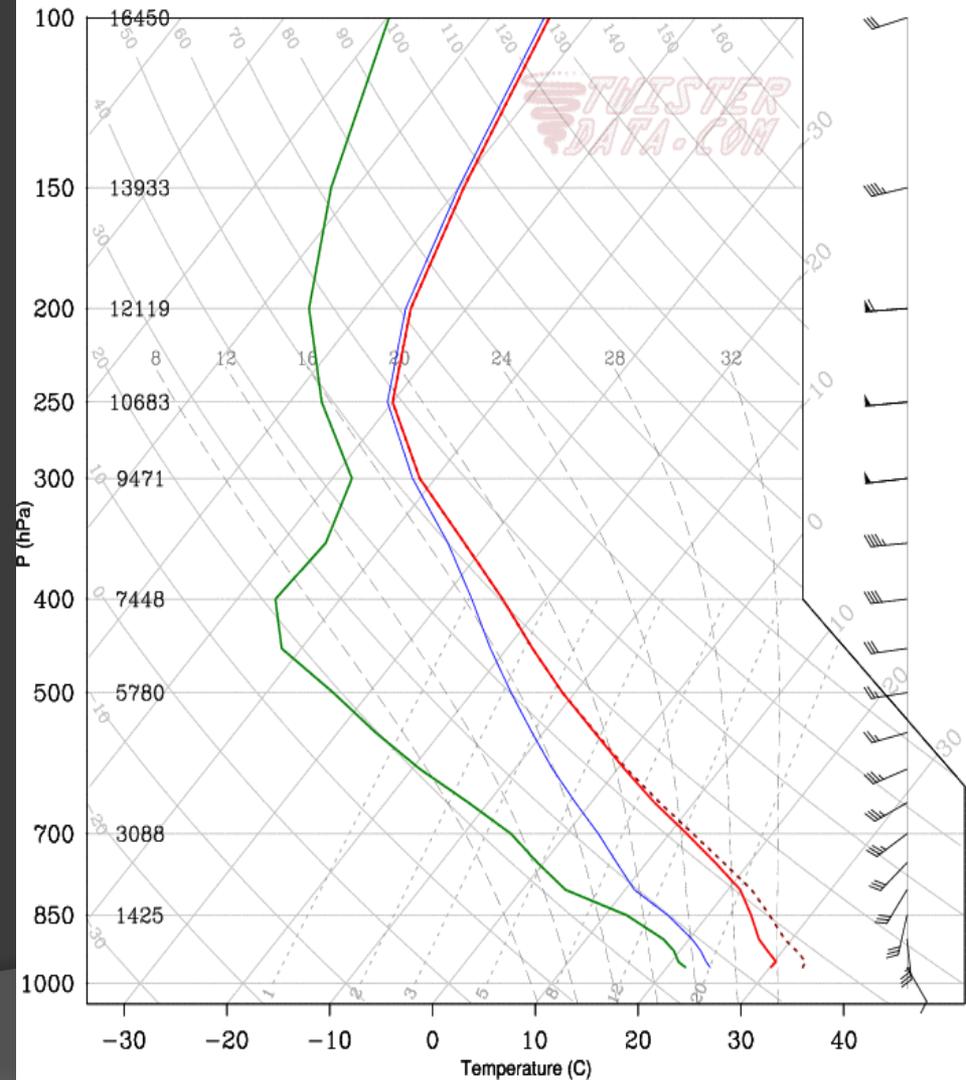


Day 0

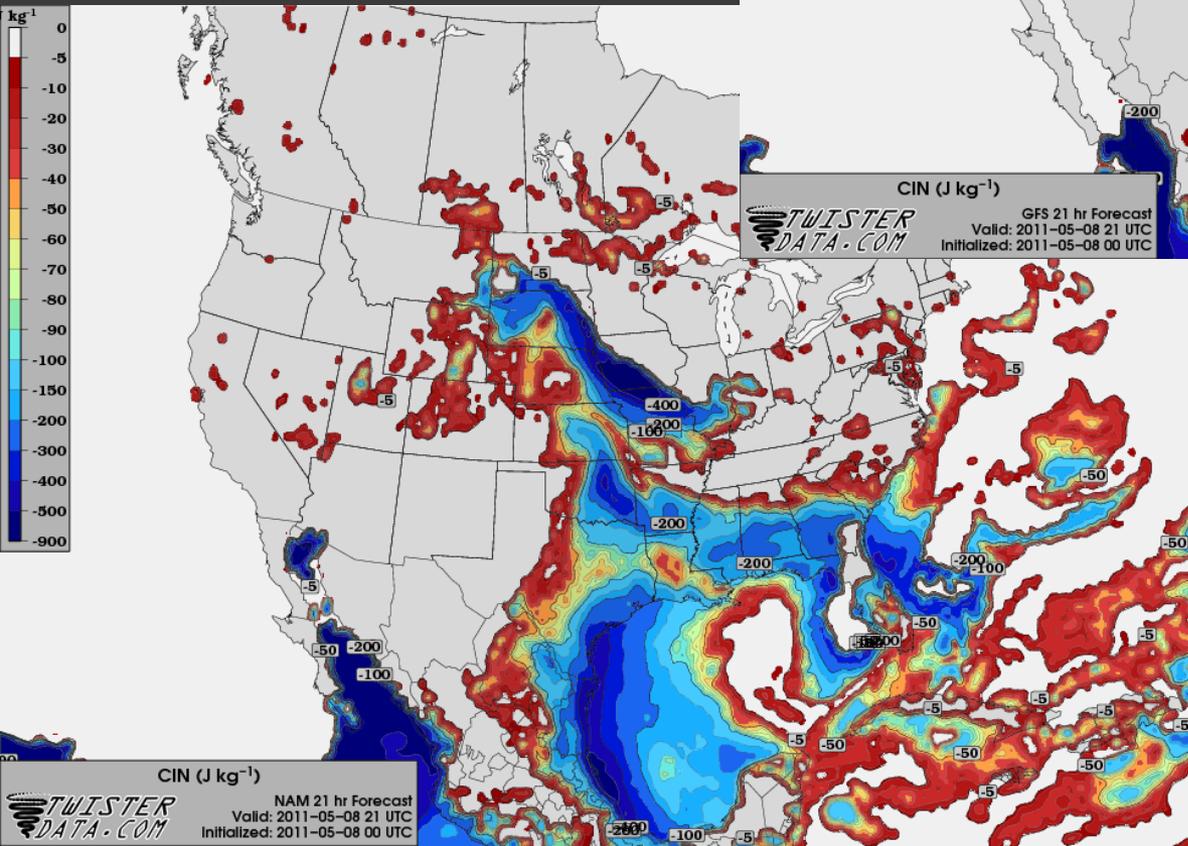
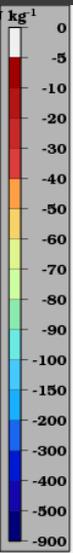
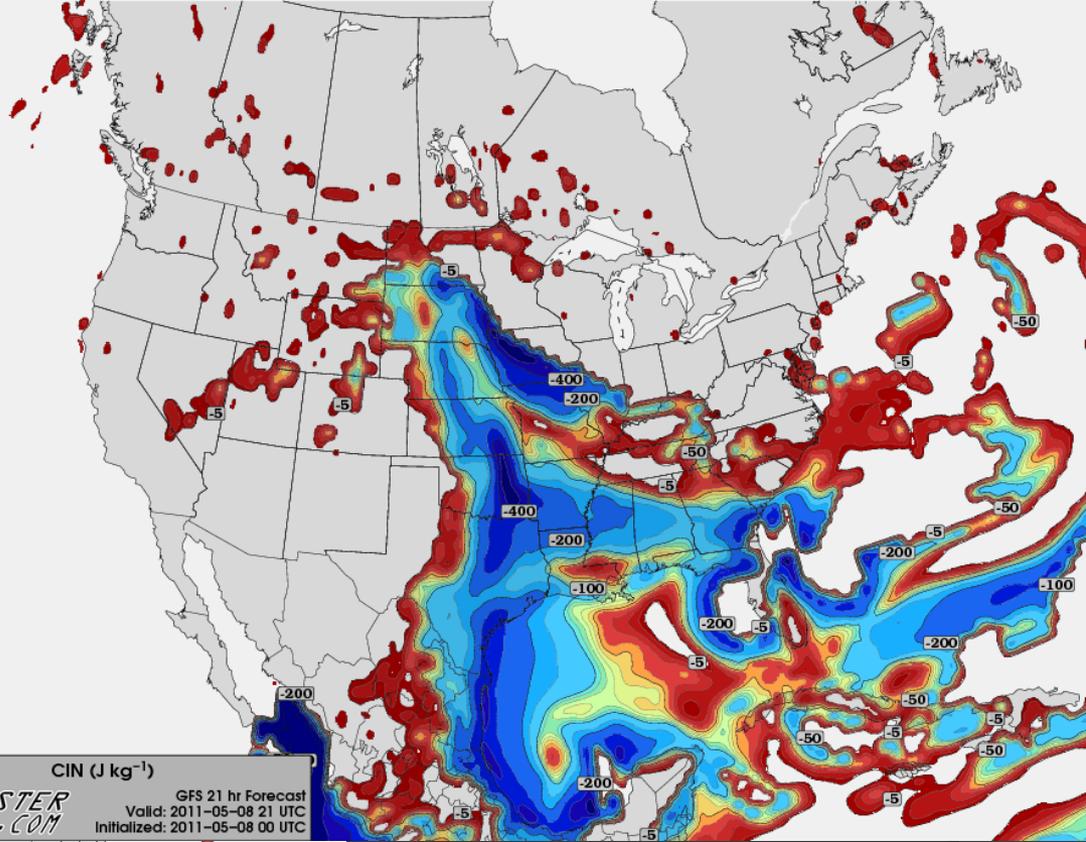
NAM Sounding | 00 UTC Mon 09 May 2011 | Lat 36.4897 | Lon -97.4913



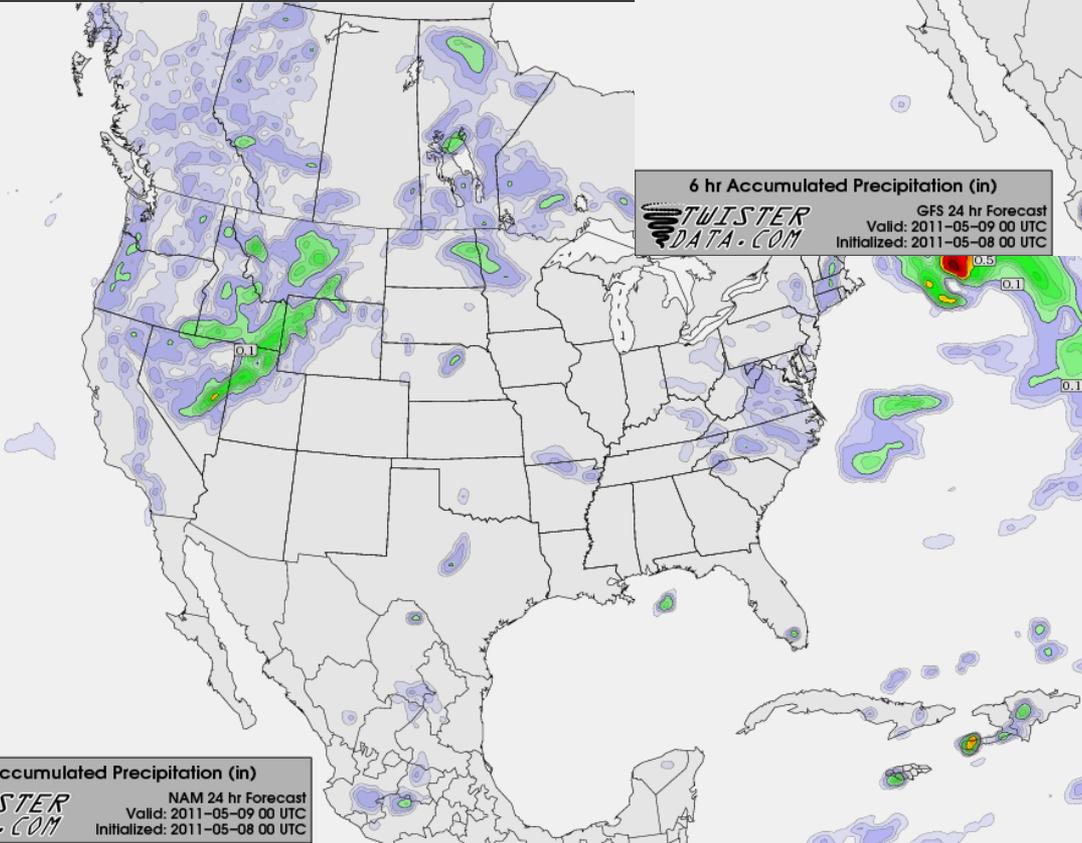
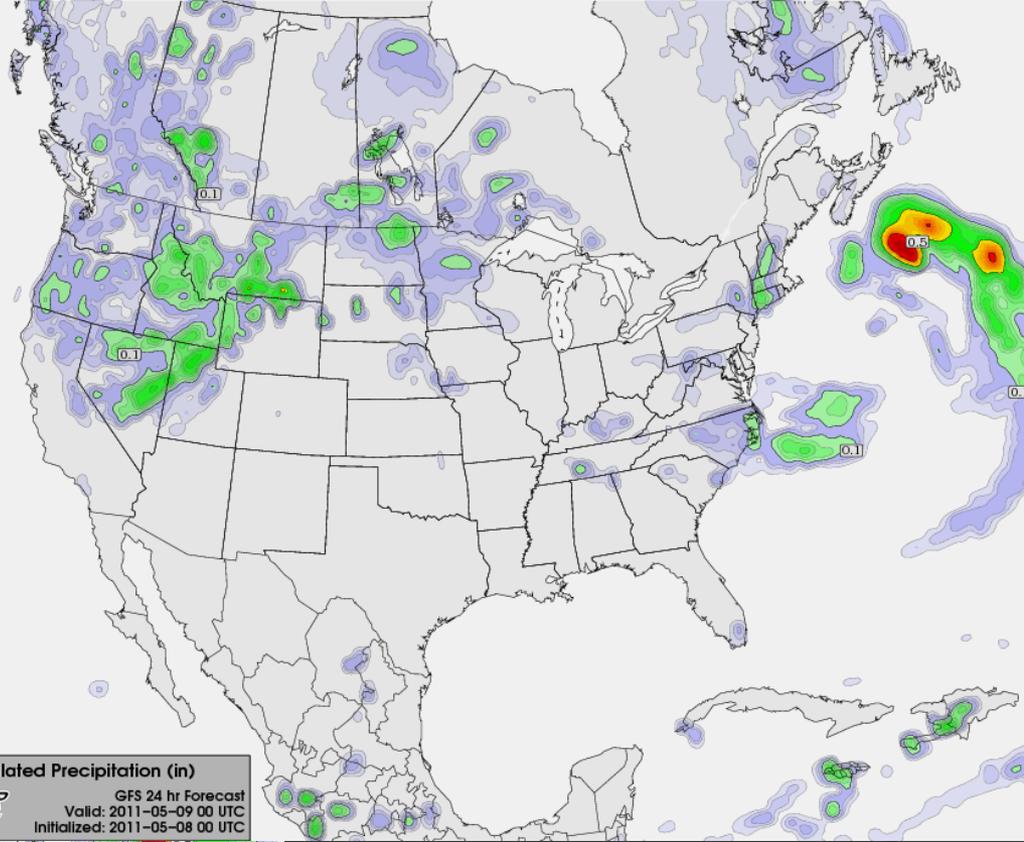
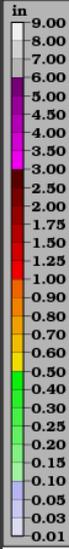
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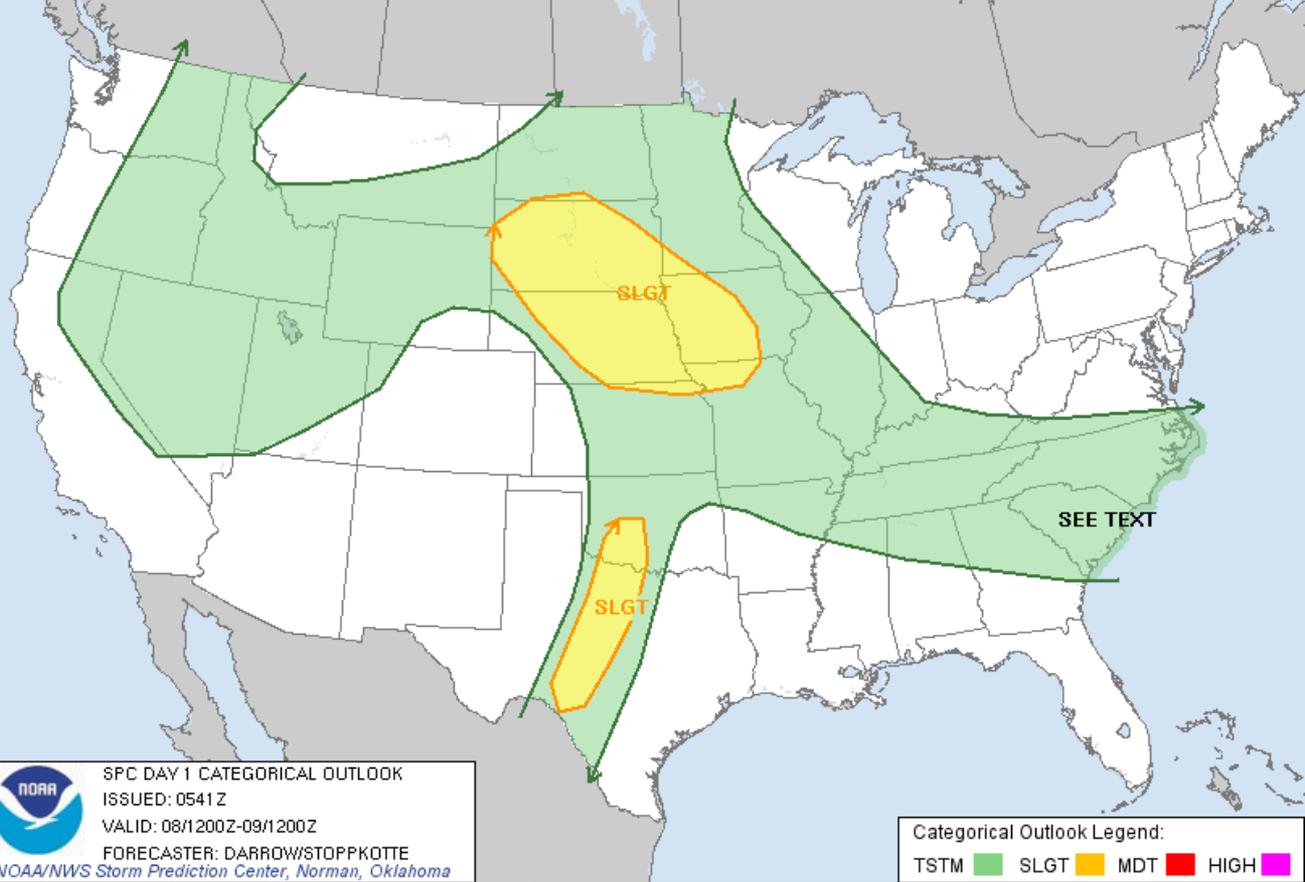
Day 0



Day 0

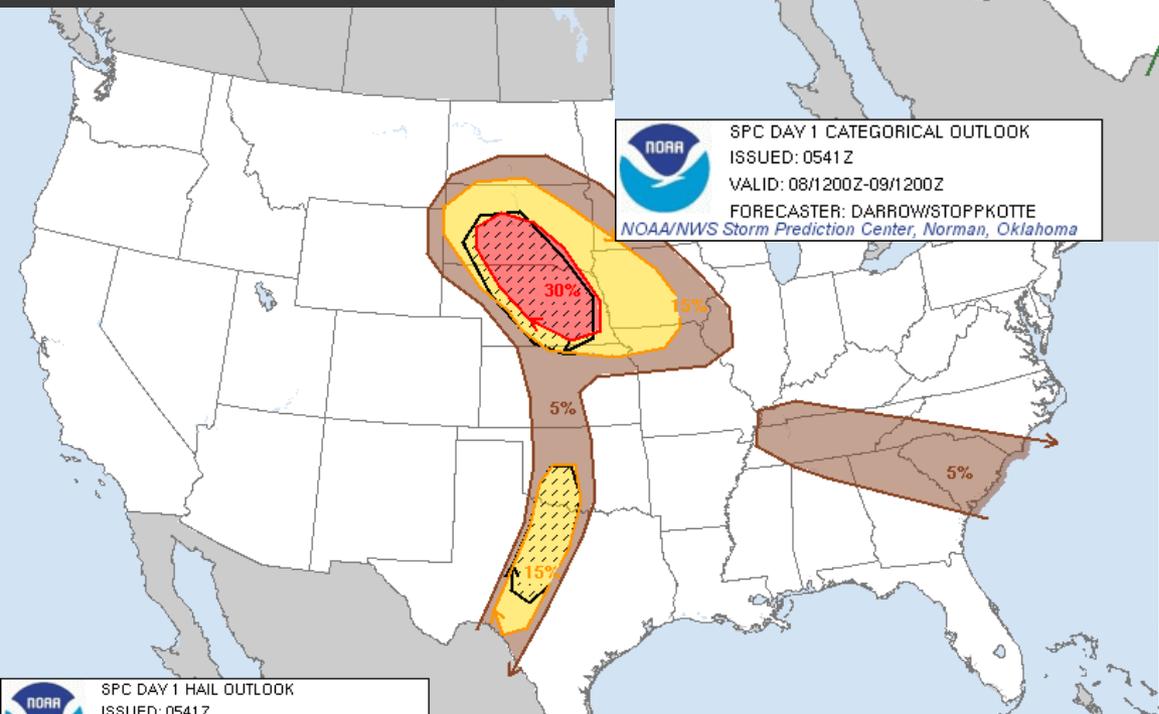


Day 0



SPC DAY 1 CATEGORICAL OUTLOOK
ISSUED: 0541 Z
VALID: 08/1200Z-09/1200Z
FORECASTER: DARROW/STOPPKOTTE
NOAA/NWS Storm Prediction Center, Norman, Oklahoma

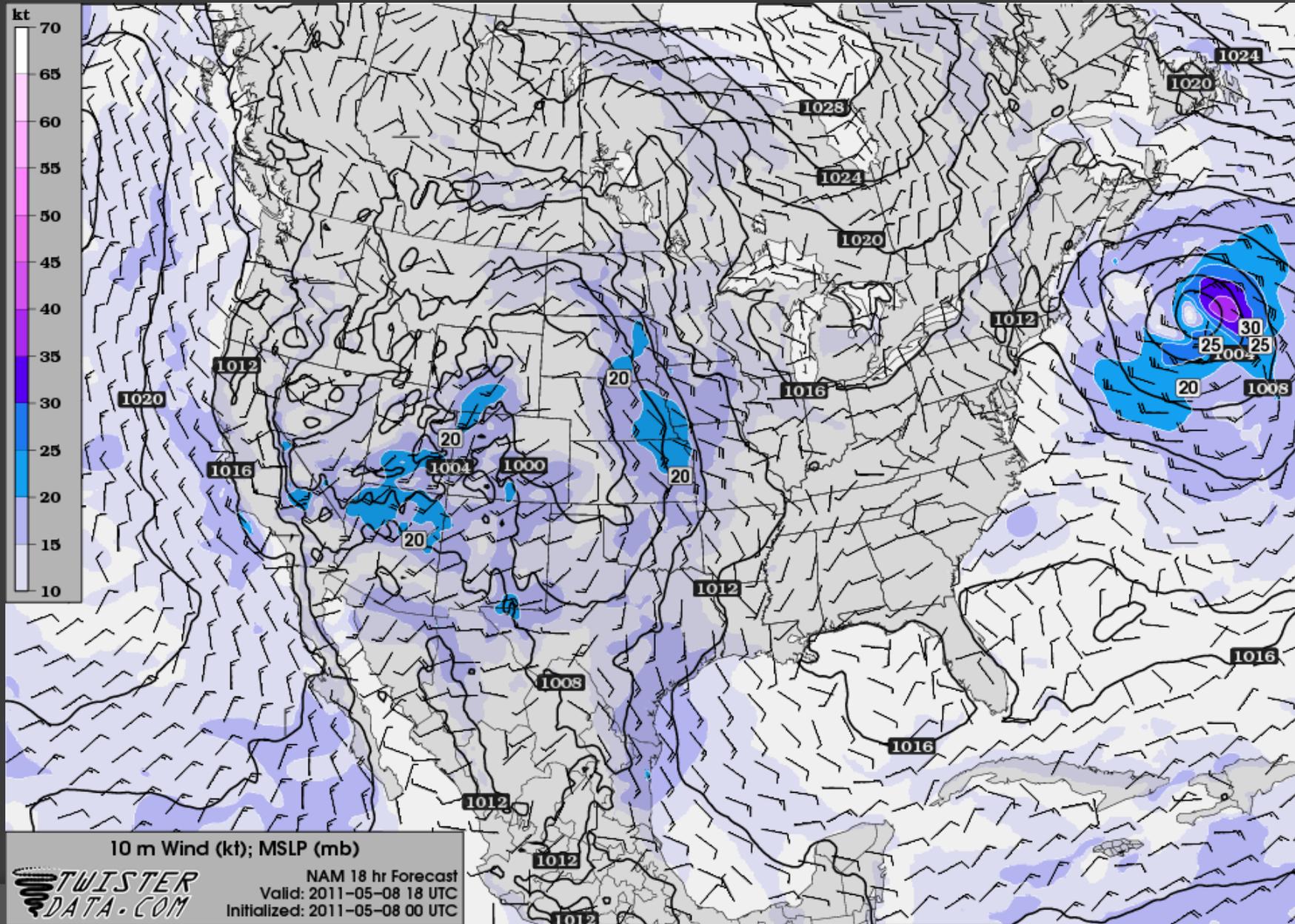
Categorical Outlook Legend:
TSTM ■ SLGT ■ MDT ■ HIGH ■



SPC DAY 1 HAIL OUTLOOK
ISSUED: 0541 Z
VALID: 08/1200Z-09/1200Z
FORECASTER: DARROW
NOAA/NWS Storm Prediction Center, Norman, Oklahoma

Hail Probability Legend (in %):
5 ■ 15 ■ 30 ■ 45 ■ 60 ■ Sig ■

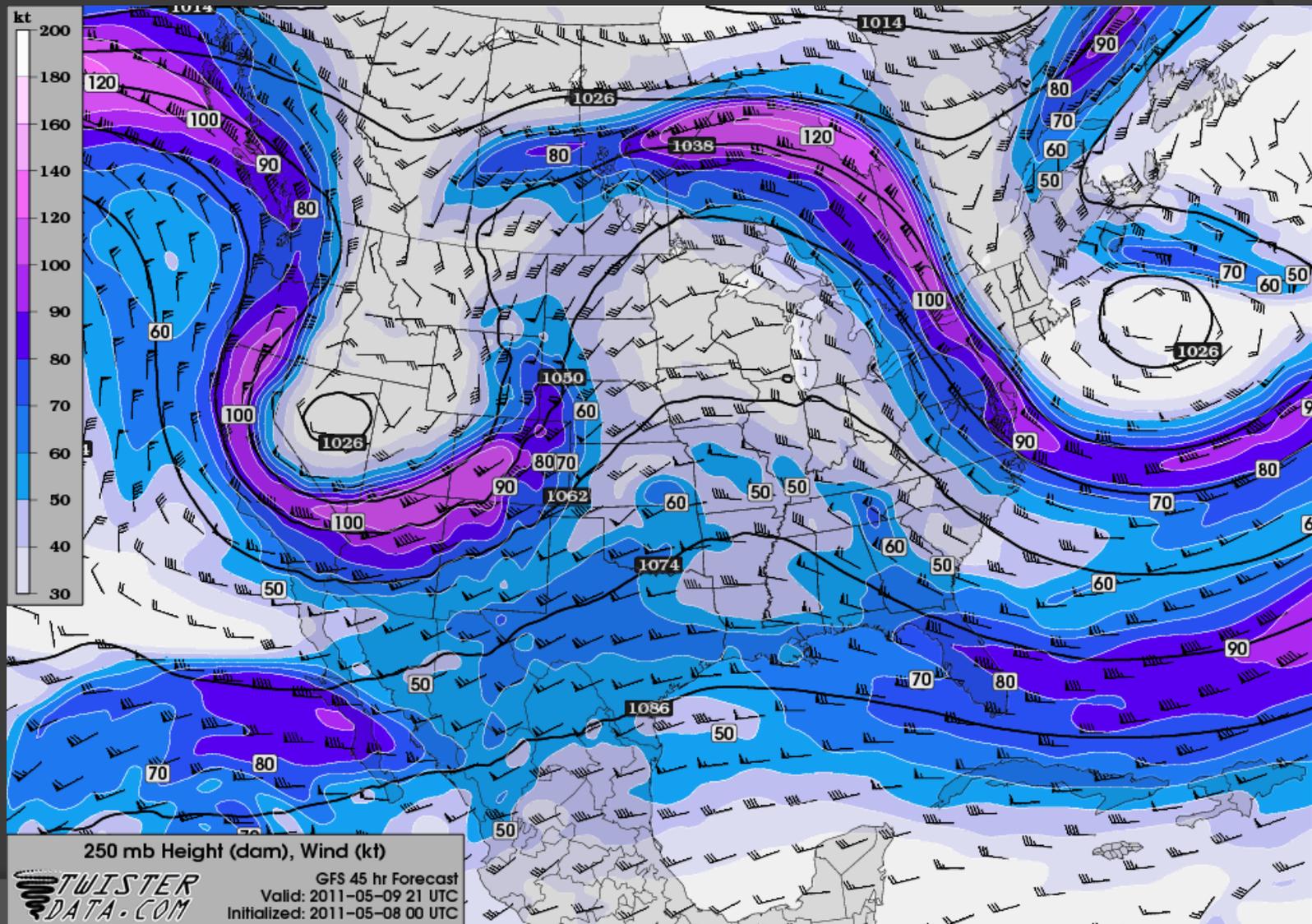
Day 0



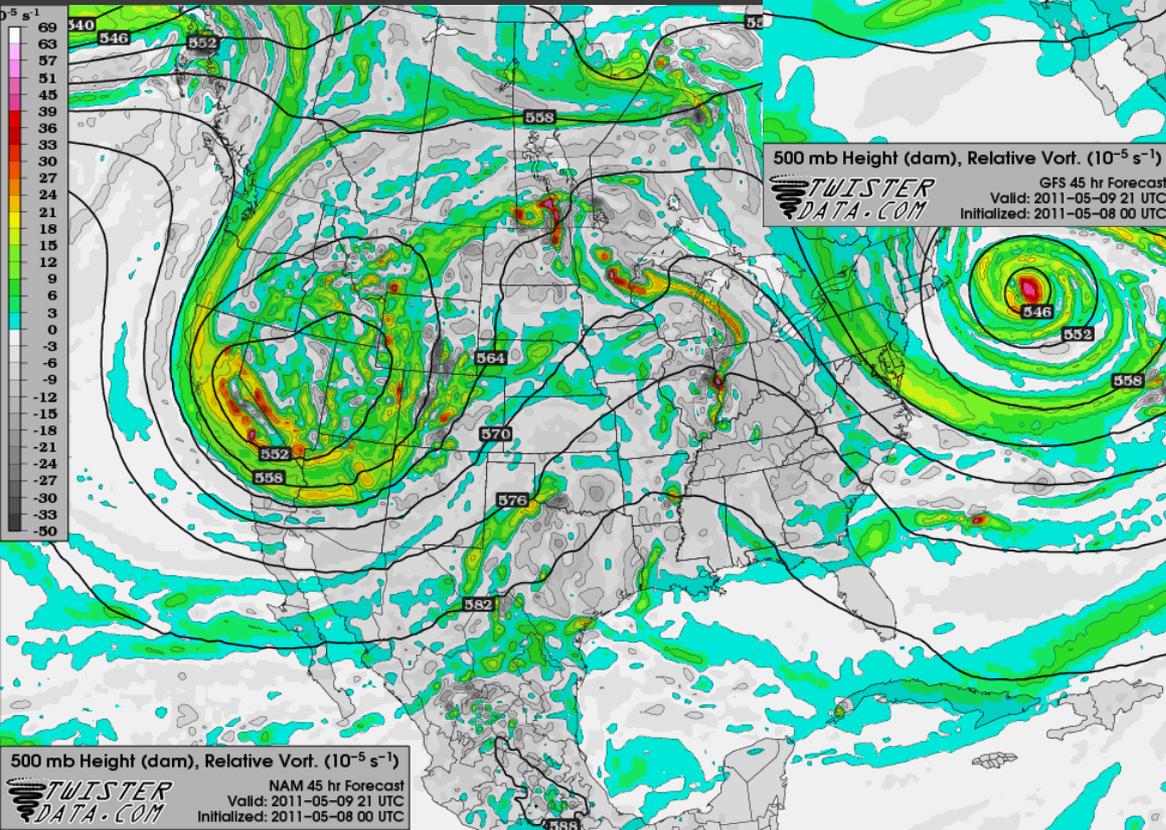
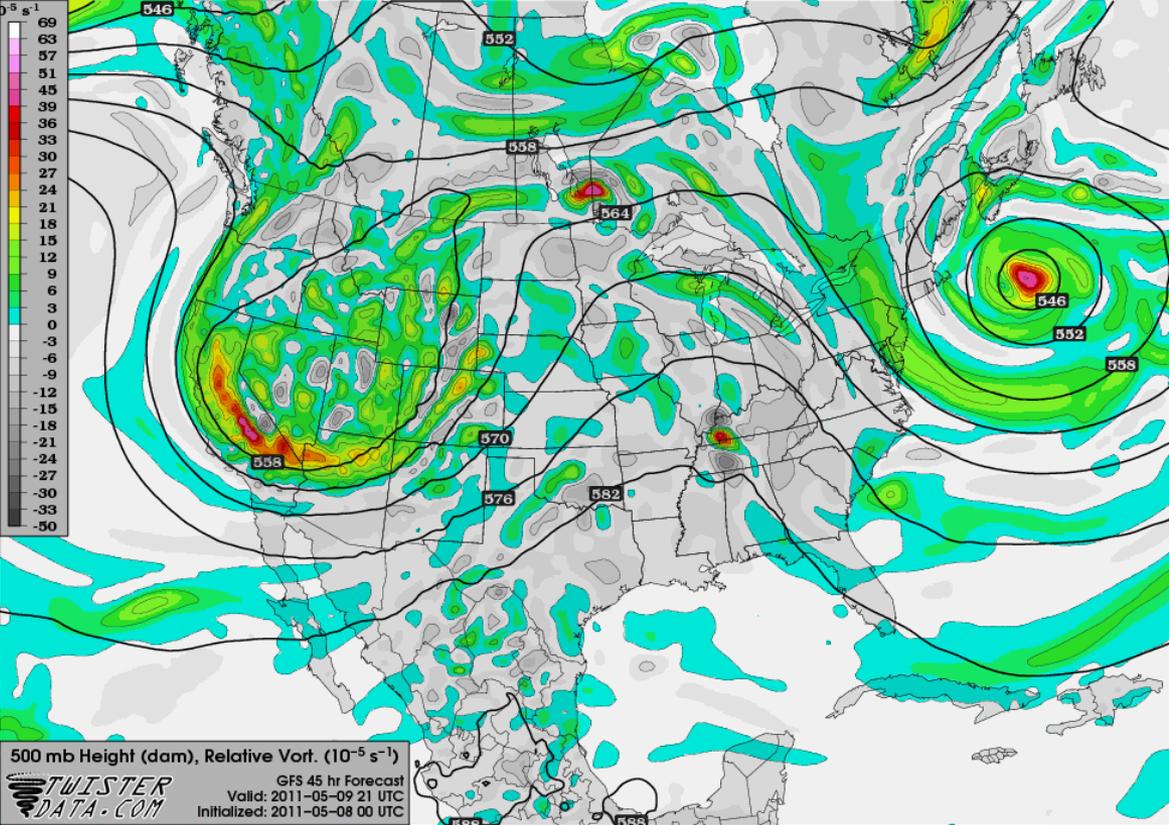
Day 0 Recap

- If we get enough heating, we can initiate convection
- Both models appear to support no convection today
- 500 hPa pulse of vorticity looks to arrive 3 hours too early with regard to best convective hours
- Runway winds look strong (20+) but SE'rly channeling up the river

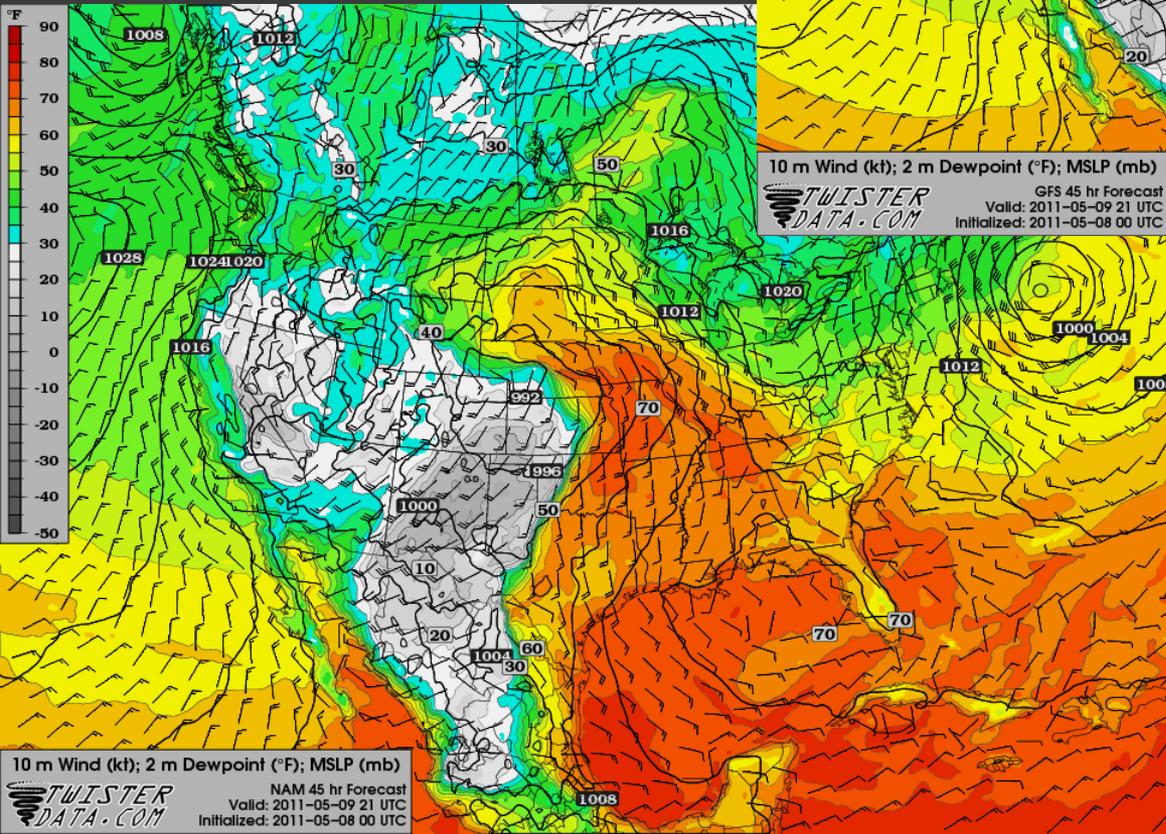
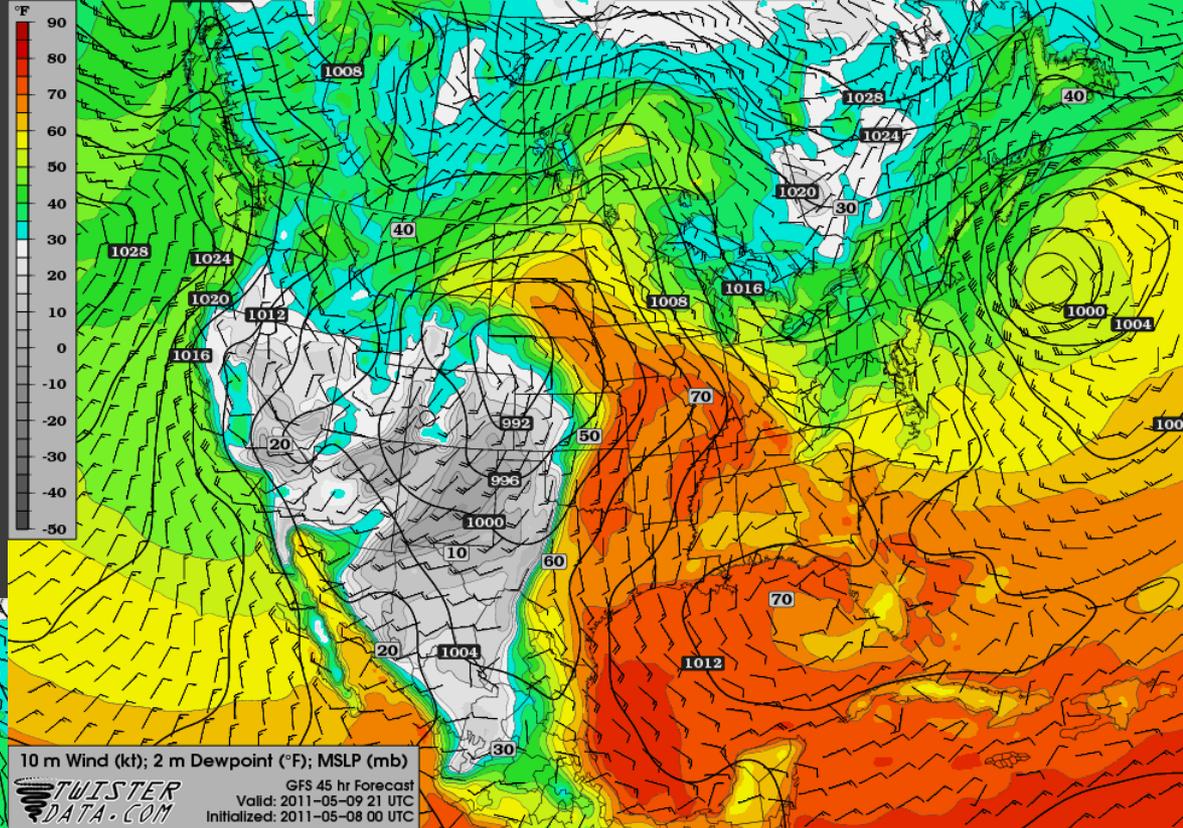
Day 1



Day 1

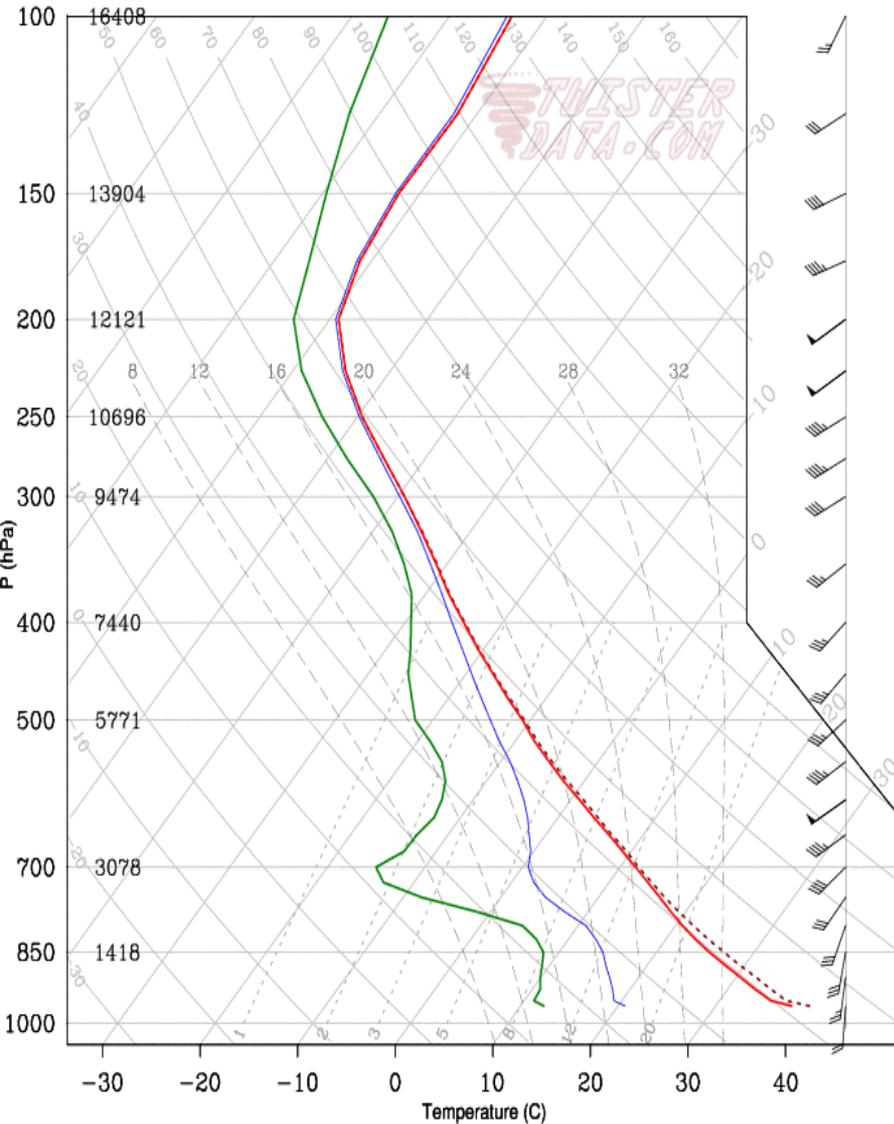


Day 1

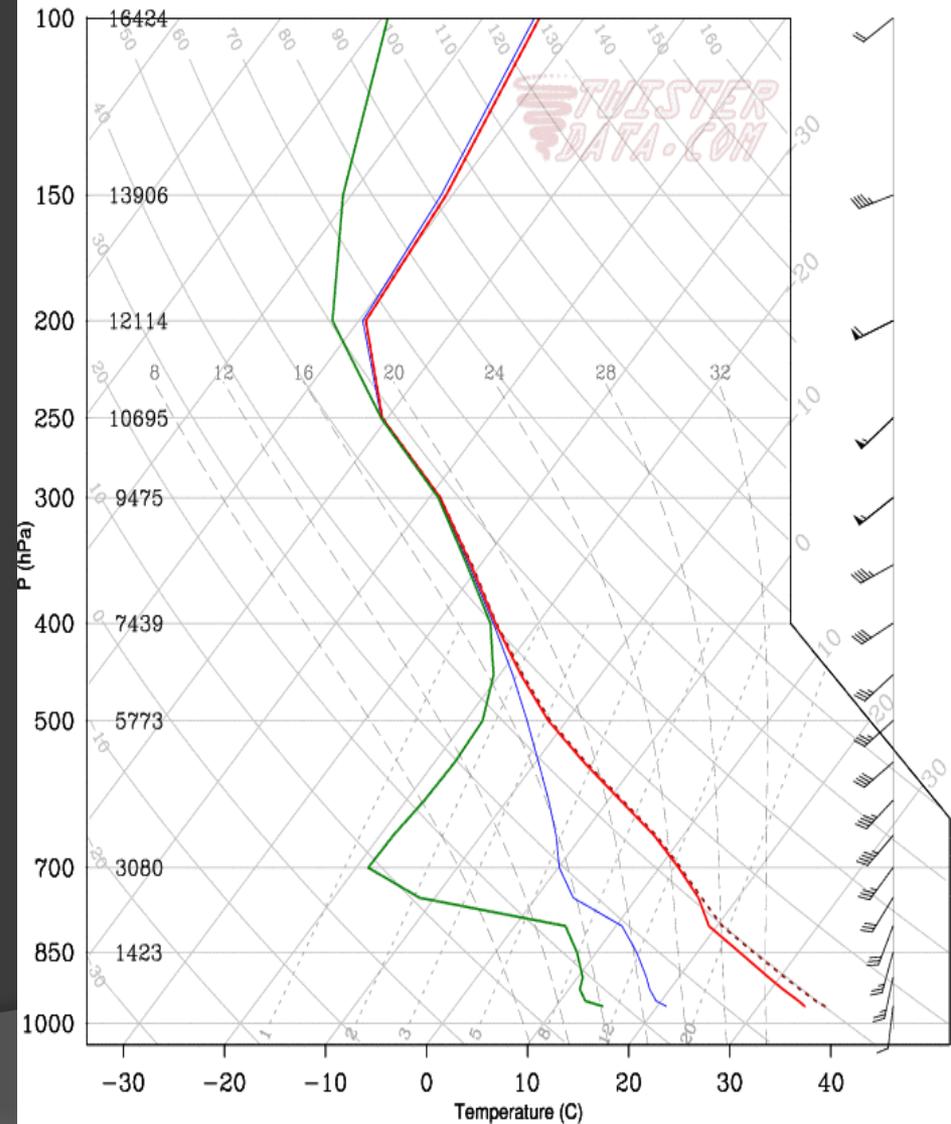


Day 1

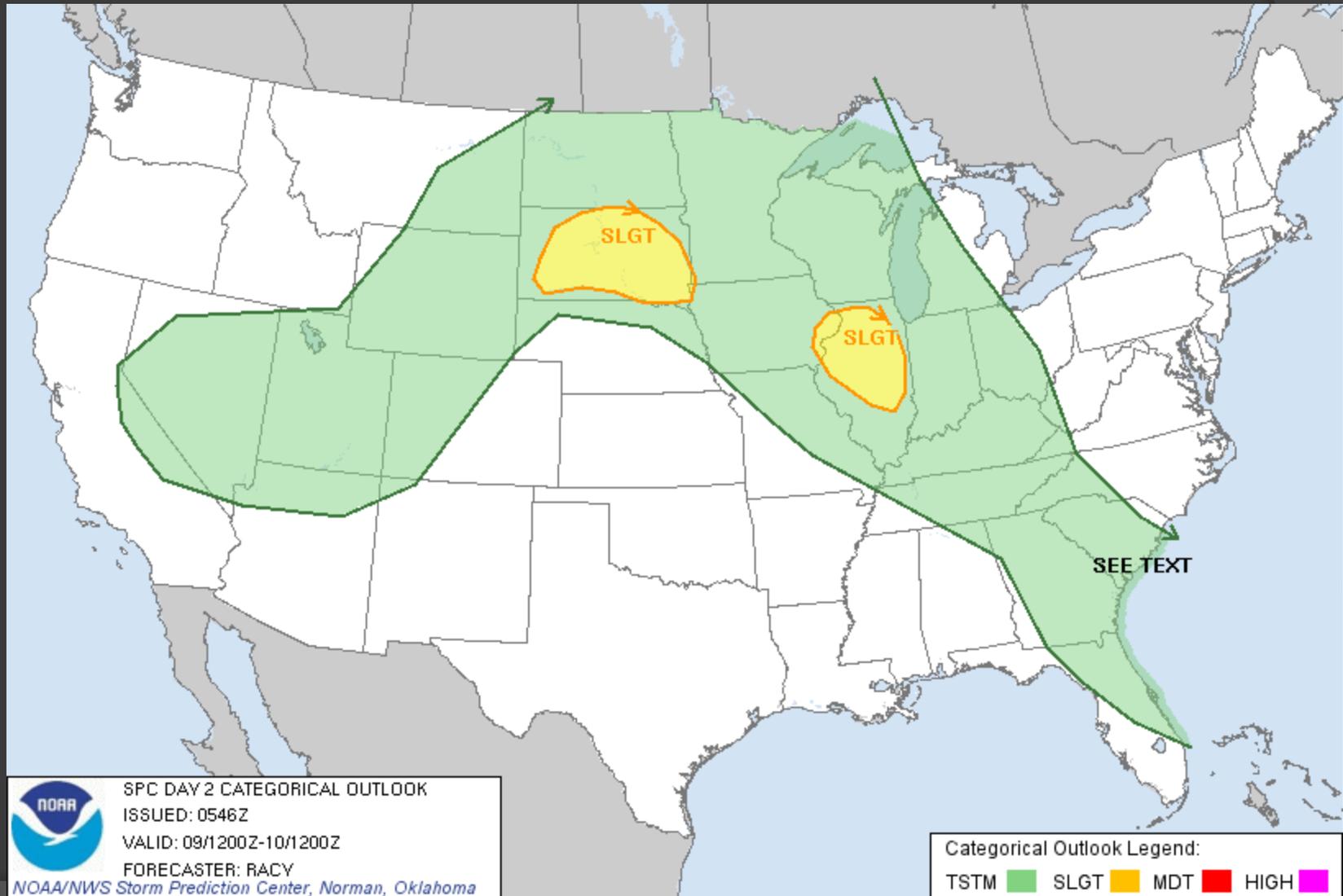
NAM Sounding | 21 UTC Mon 09 May 2011 | Lat 36.4897 | Lon -97.4913



GFS Sounding | 21 UTC Mon 09 May 2011 | Lat 36.5000 | Lon -97.5000



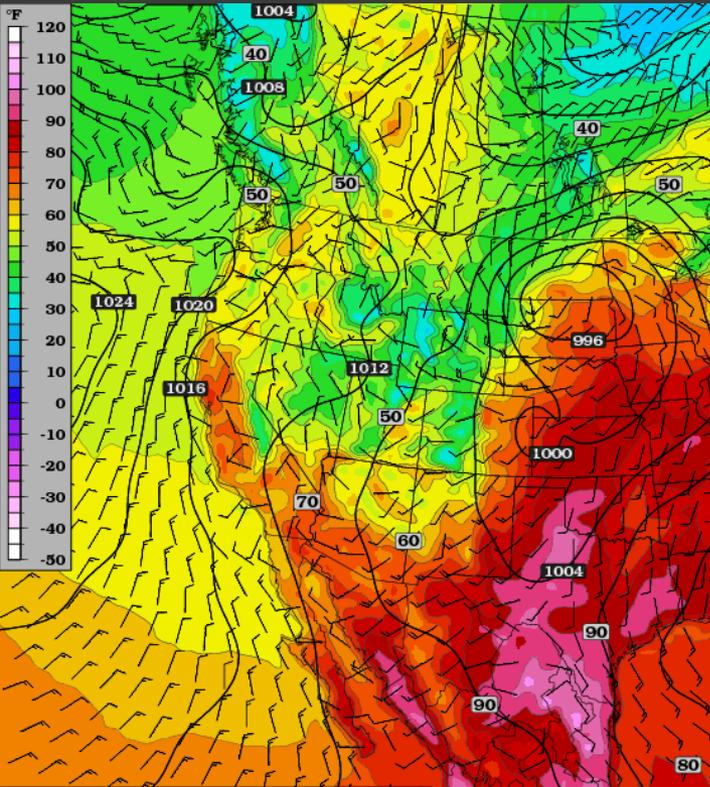
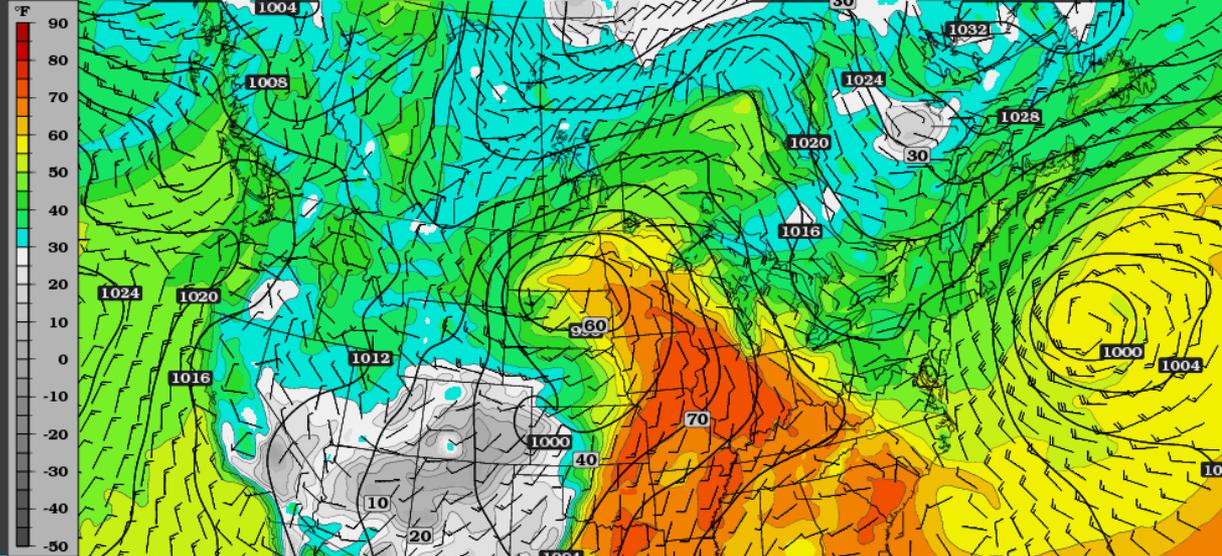
Day 1



Day 1 Recap

- Still some signs of initiation around 21UTC if we can heat enough
- Vorticity pulse appears a bit better timed with regard to best convective potential hours
- Still, quite low probability of precipitation

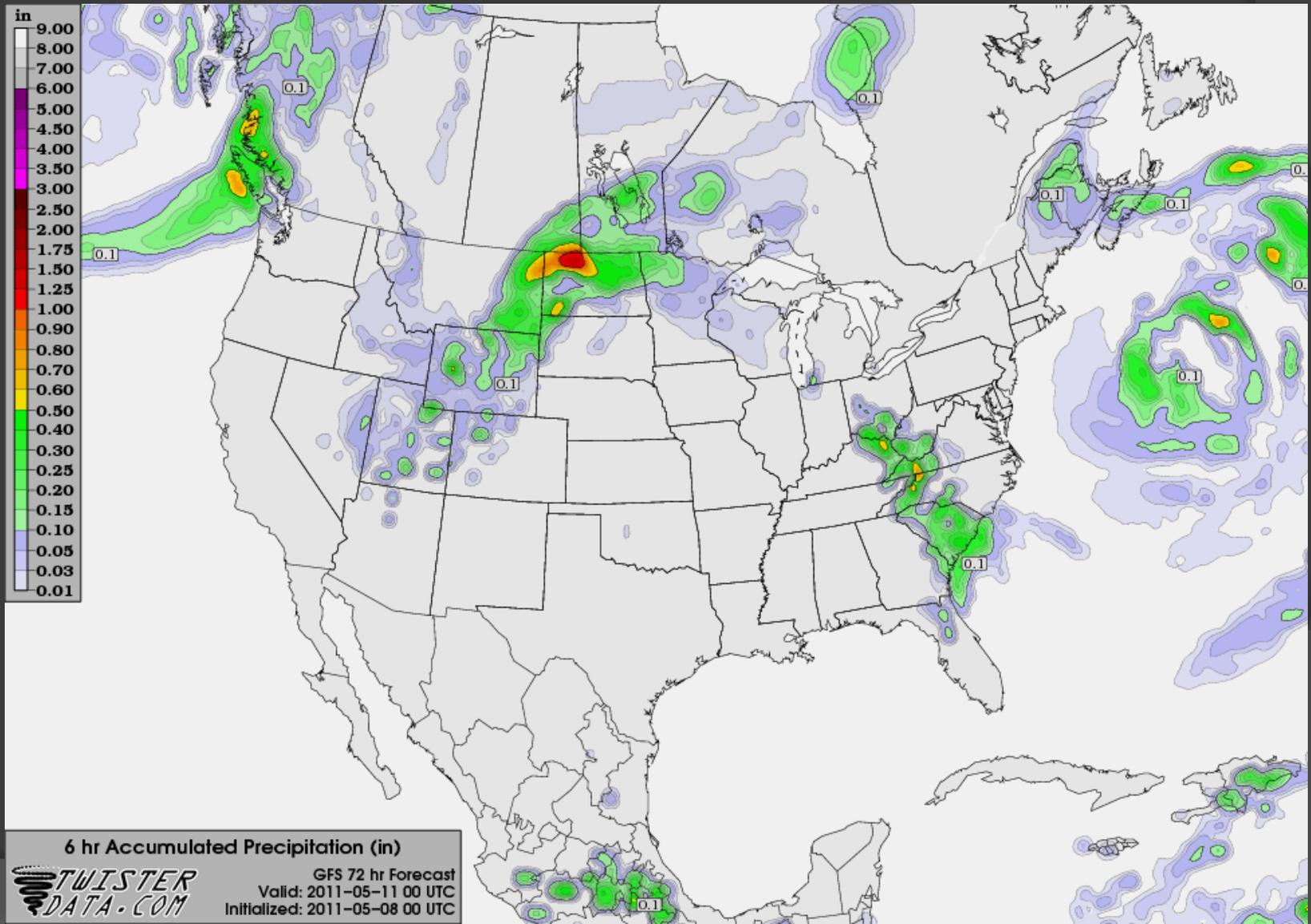
Day 2



10 m Wind (kt); 2 m Dewpoint (°F); MSLP (mb)
TWISTER
DATA.COM
GFS 66 hr Forecast
Valid: 2011-05-10 18 UTC
Initialized: 2011-05-08 00 UTC

10 m Wind (kt); 2 m Temp. (°F); MSLP (mb)
TWISTER
DATA.COM
GFS 66 hr Forecast
Valid: 2011-05-10 18 UTC
Initialized: 2011-05-08 00 UTC

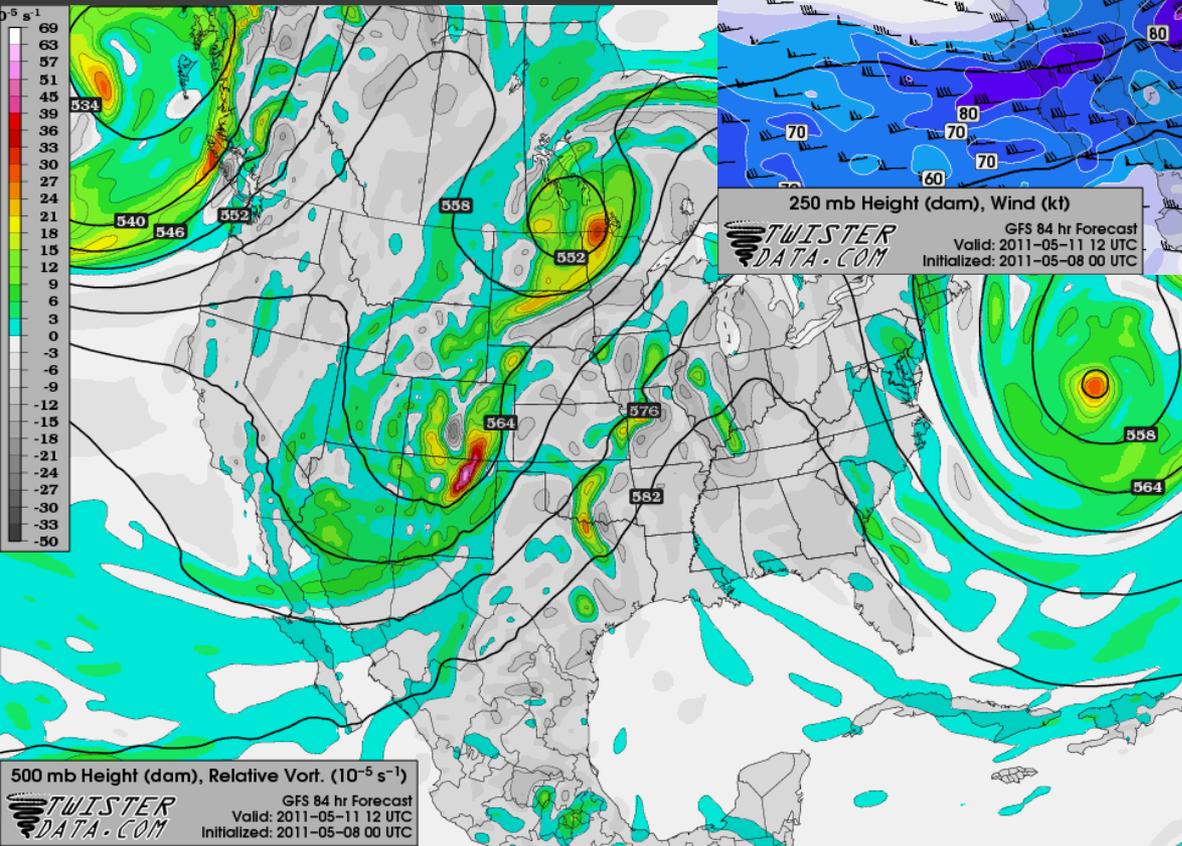
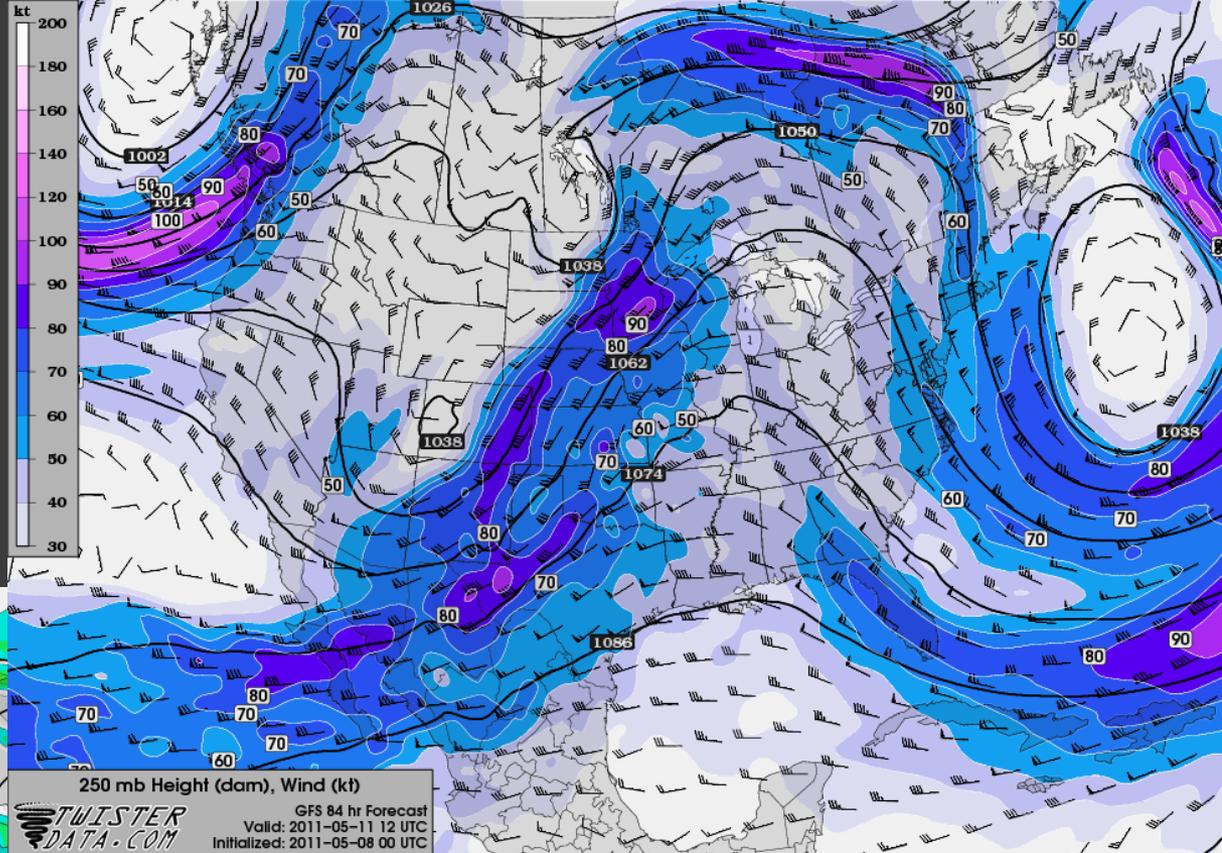
Day 2



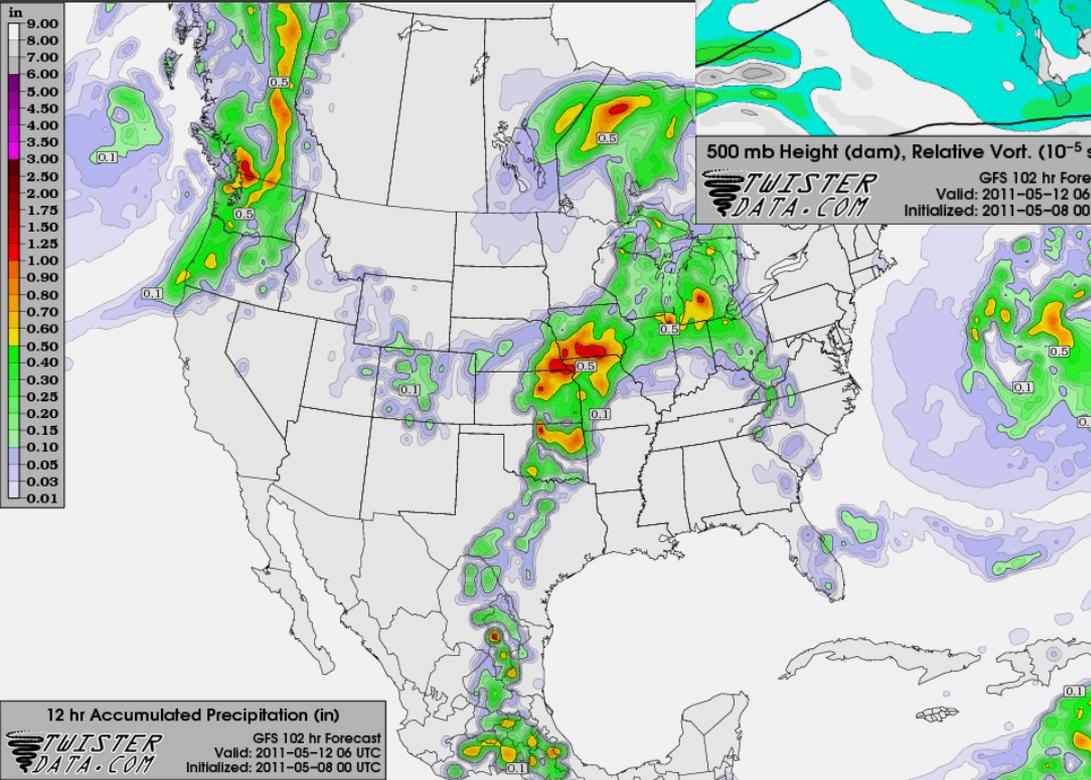
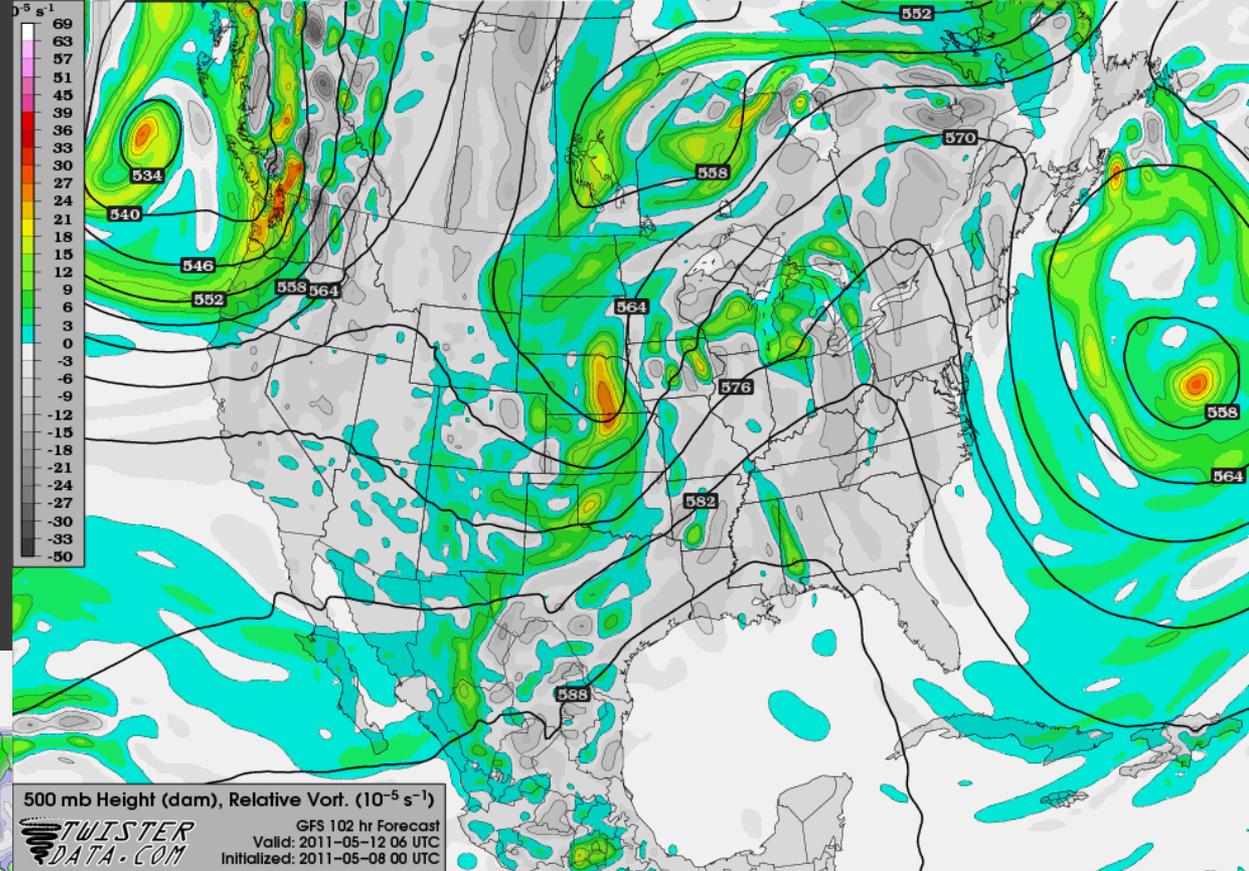
Day 2 Recap

- No apparent pulses of vorticity as primary vort max begins motions eastward
- Better forcing from the jet than Day 0 or 1
- Looks most day unlikely for convection

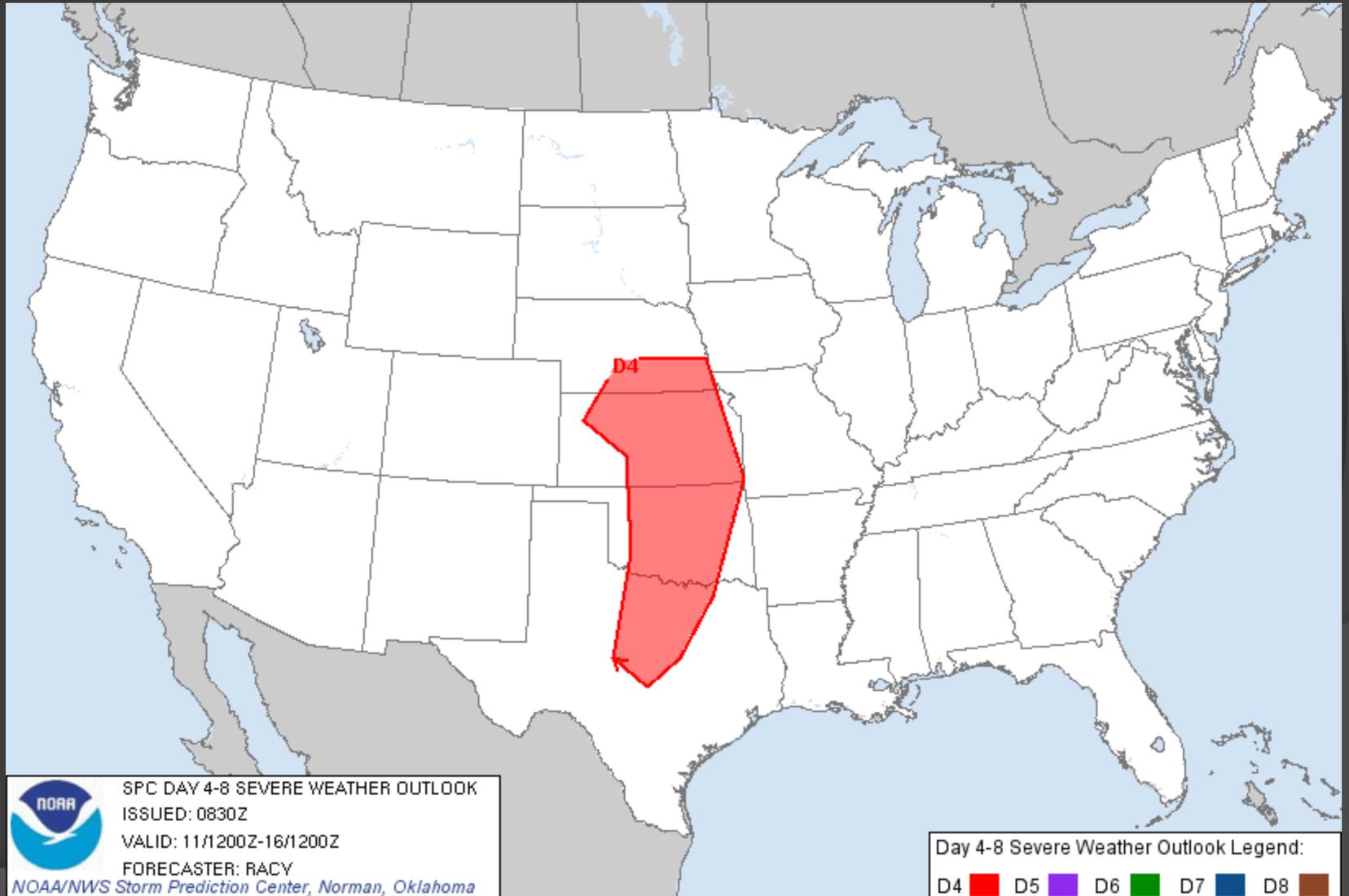
Extended



Extended



Extended



Recap

- ⦿ Day 0 looks less probable than past few days
- ⦿ Day 1 has some potential with weak 500 hPa vorticity pulse pushing through, though still unlikely
- ⦿ Day 2 looks like the least likely day for precipitation
- ⦿ Day 3 brings the vorticity passage and a high likelihood of precipitation – need to carefully watch for precip in Offutt too