

WEEKLY DELEK ENERGY WEATHER DISCUSSION

Climate Impact Company, Inc.

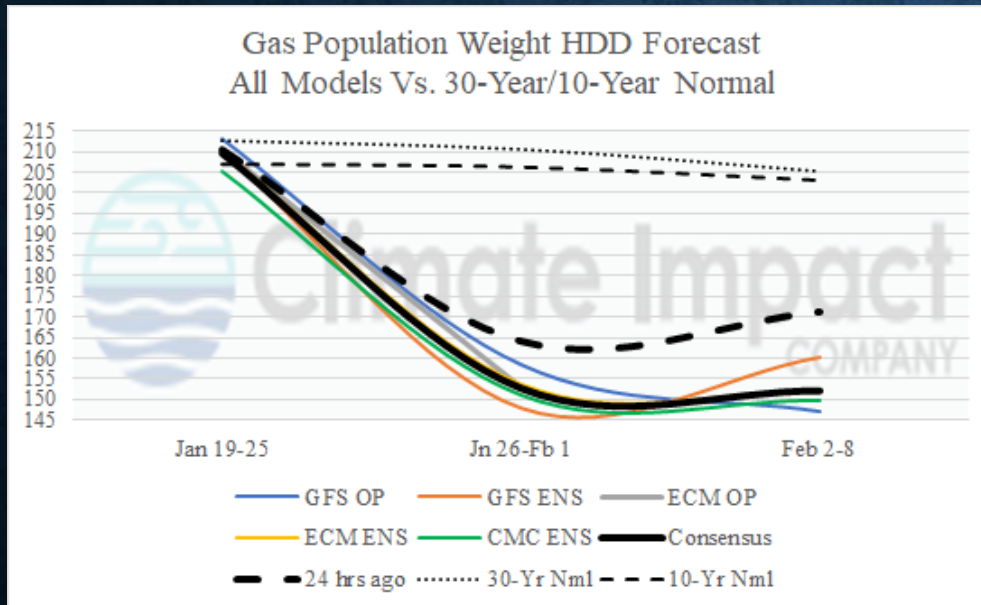
Tuesday January 23, 2024

TODAY'S SUMMARY

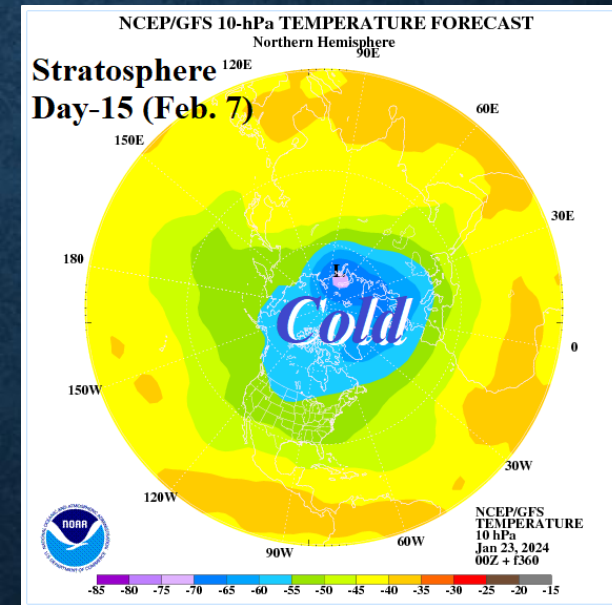
- Energy market news.
 - Is U.S. winter over?
 - Panama rains.
 - El Nino comment.
- Local weather issues.
 - Ice and fog abating.
 - Heavy rain and flooding the new issue.
- Looking ahead...Week 2-4 outlook.
 - “Atmospheric river” pattern generates.
 - Causes (record?) warm North America pattern.

IS UNITED STATES WINTER OVER?

HDD forecasts indicate plummeting heating demand.

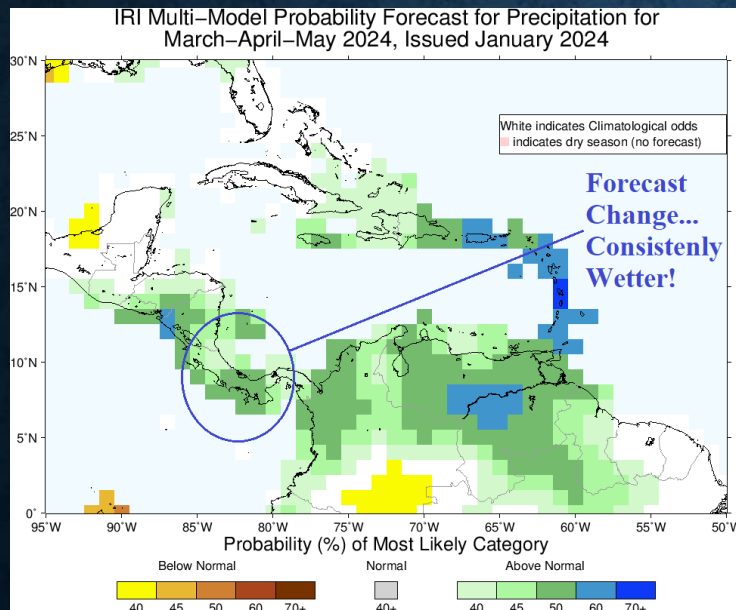


Cold stratosphere in 15 days = No new arctic air generation.

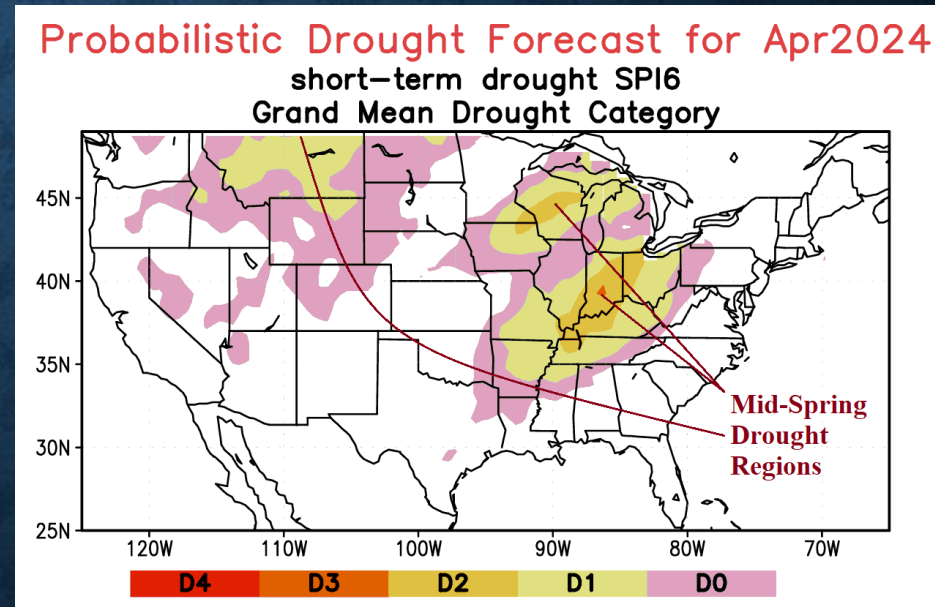


IMPORTANT DROUGHT RISKS

Panama probabilistic rainfall
climate forecasts are wetter!

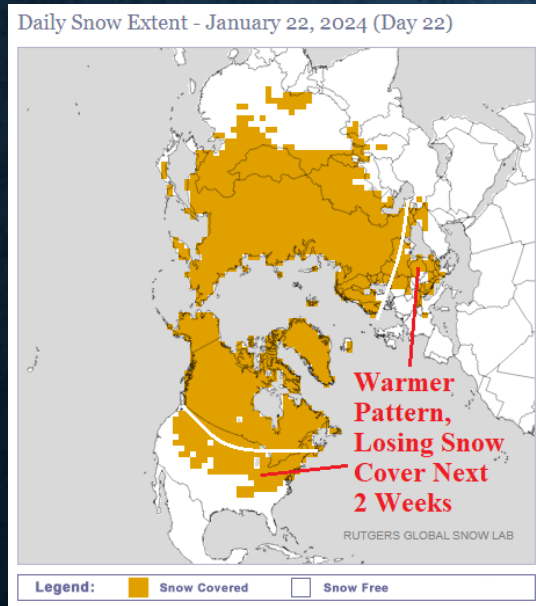


NOAA projecting a drought issue in
U.S. Corn Belt in spring.

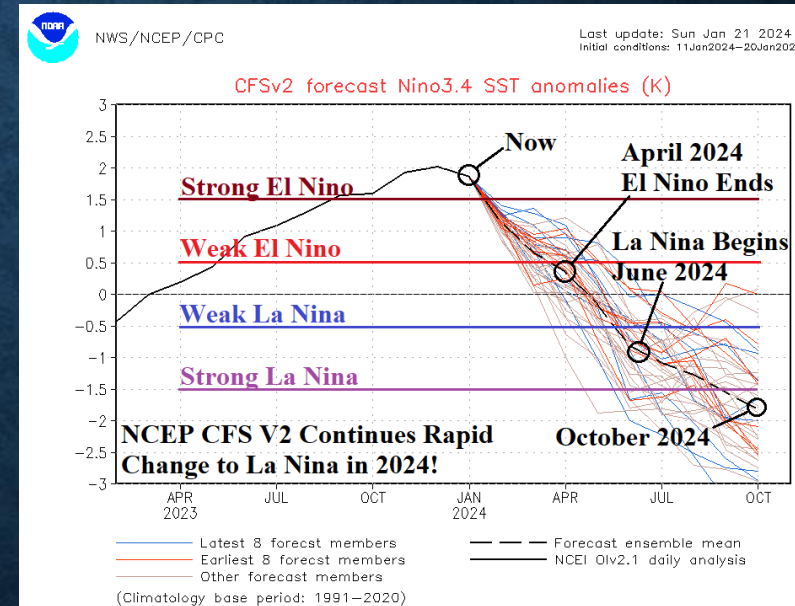


SNOWCOVER EROSION & ENSO OUTLOOK

Warm pattern ahead, expect large snow cover erosion.

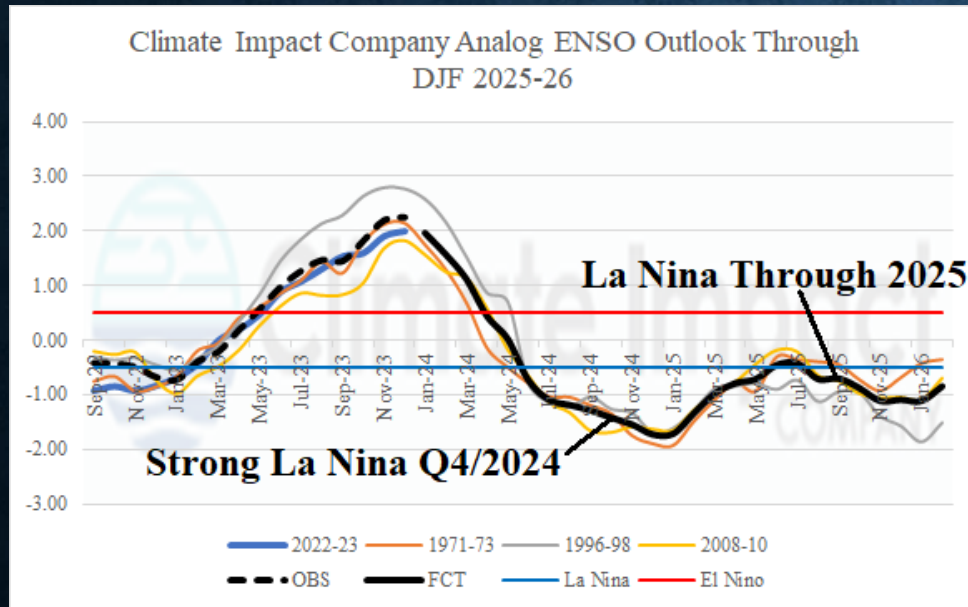


NCEP CFS V2: ENSO reversal from El Nino to La Nina.

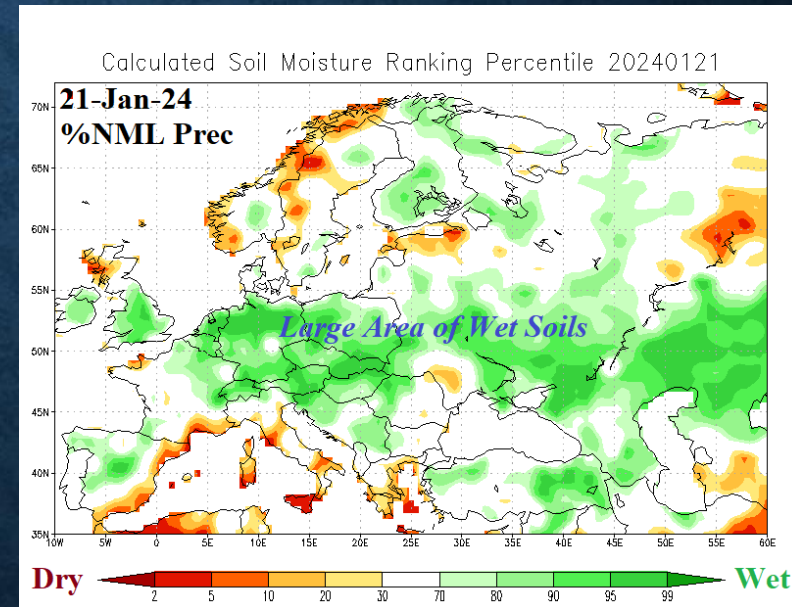


LONG-TERM ENSO & EUROPE DROUGHT RISK

IF NCEP CFS V2 is correct, long-duration La Nina ahead.

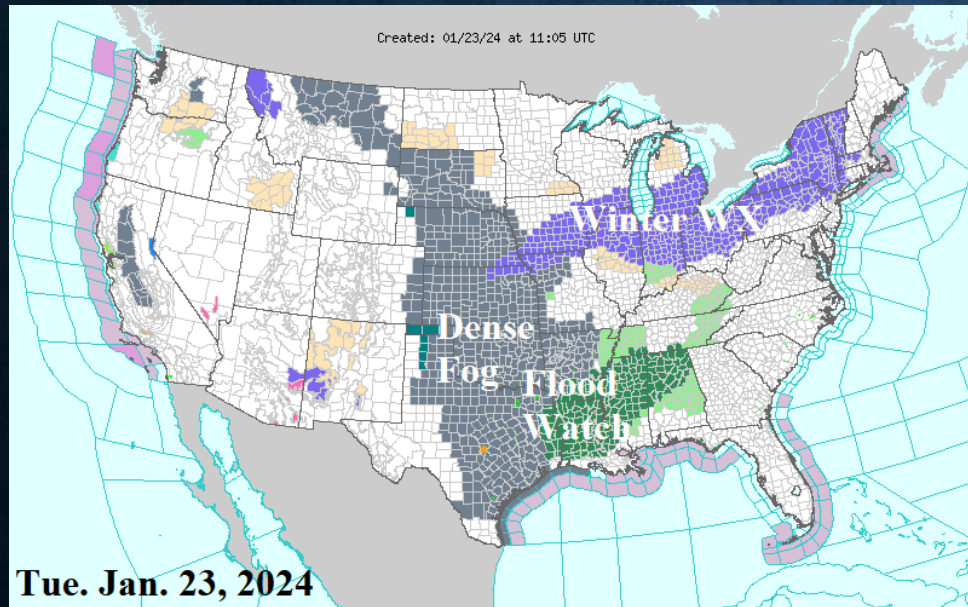


No Europe drought concerns (for now) heading toward summer.

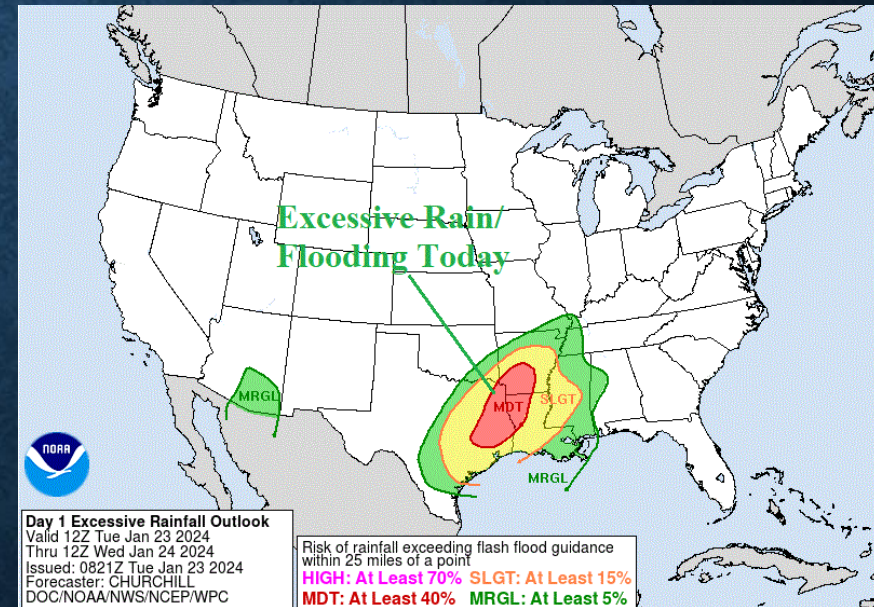


CLASSIC ARCTIC AIR EROSION DURING EL NINO

Major freezing rain episode
followed by widespread fog.

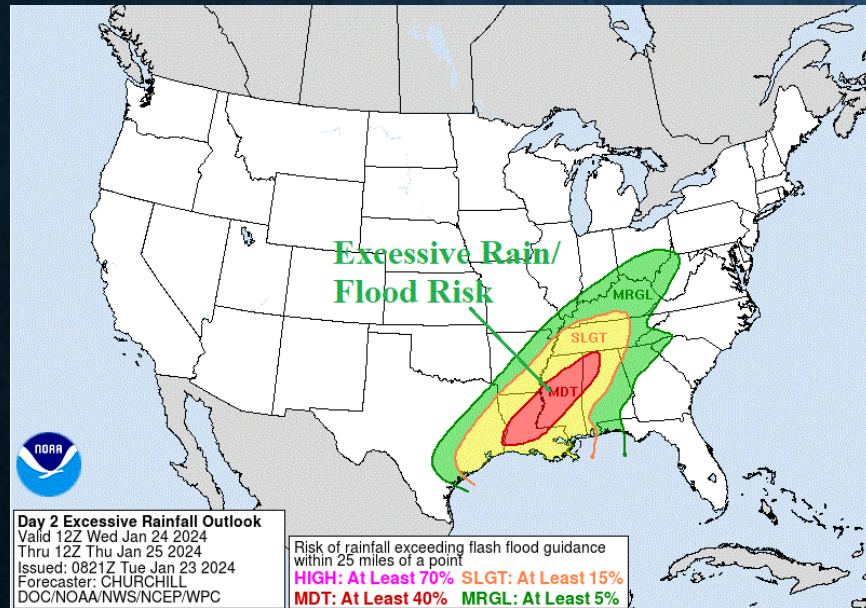


Excessive rains/flooding today.

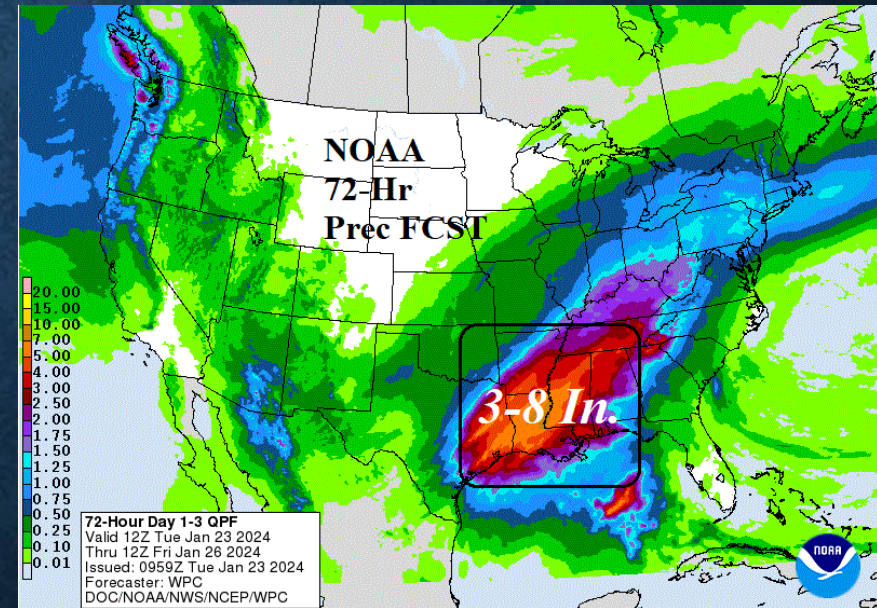


LOCAL WEATHER: HEAVY RAIN/FLOODING

Excessive rains/flooding tomorrow.

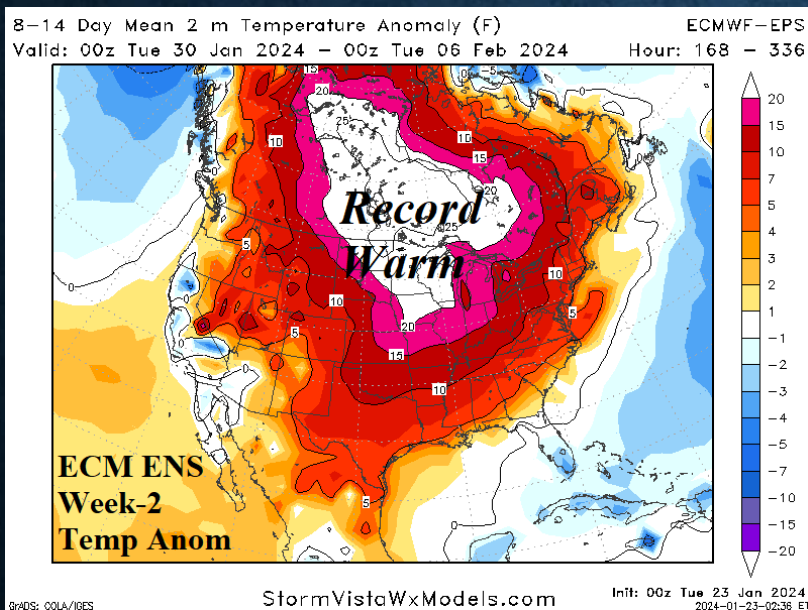


The TUE-THU 72-hour precipitation amount forecast.

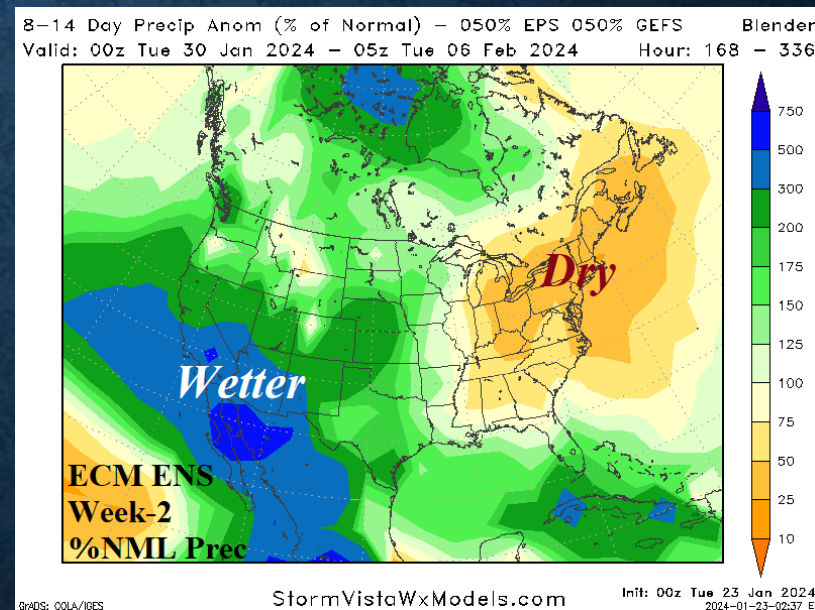


UNITED STATES WEEK 2-4 OUTLOOK

Next week: Record warmth mid-continent.

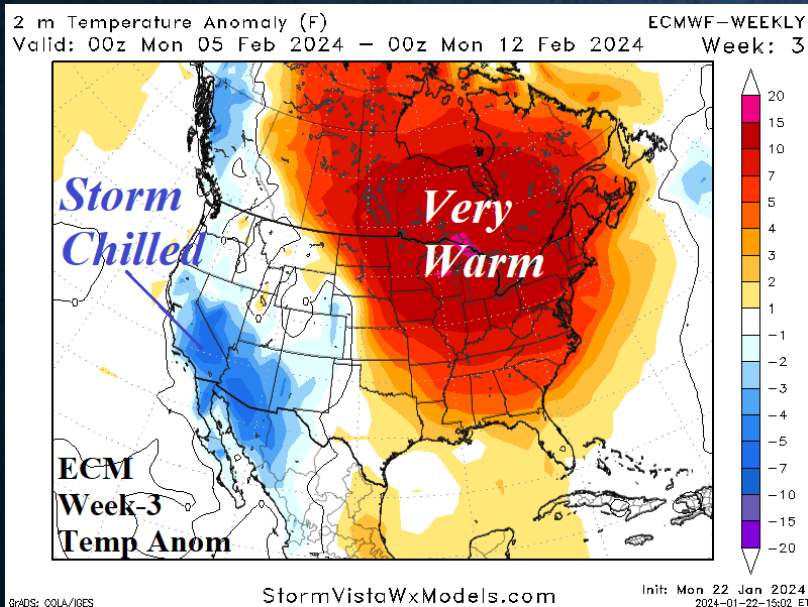


Atmospheric river pattern soaks Southwest U.S.

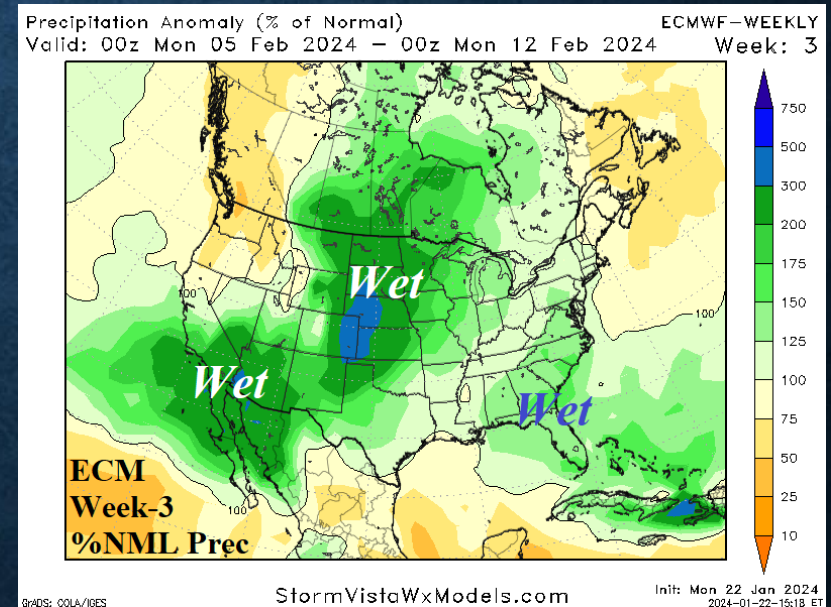


UNITED STATES WEEK 2-4 OUTLOOK

Week-3: Still very warm into the East.

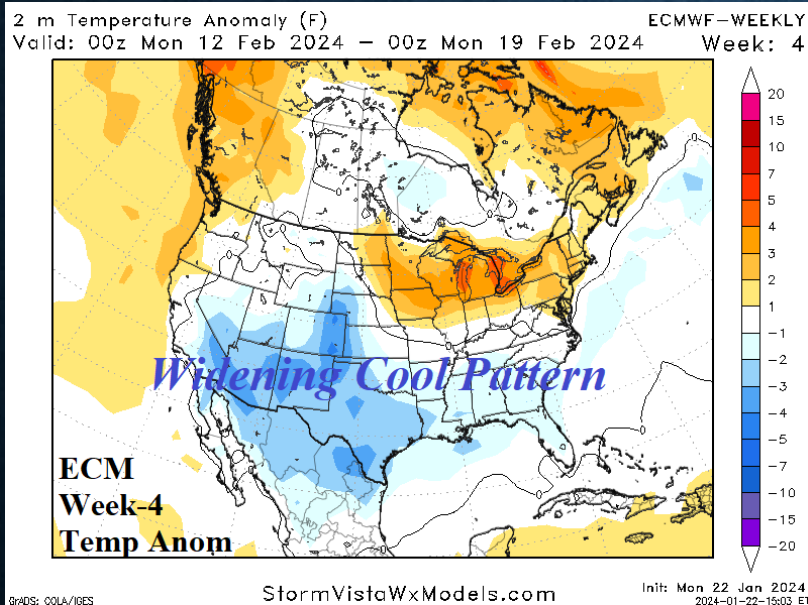


Atmospheric river storm track remains.



UNITED STATES WEEK 2-4 OUTLOOK

Week-4: Storm track settles southward; Southern U.S. cools.



Most of U.S. turns drier.

