

From February Forecast to Fall Finish

Verifying the 2025 Severe
Weather Season



August 14, 2025

Overview:

- By February 8th, 2025, Weather 20/20 had identified **five primary severe weather segments** in the 2024–2025 Lezak Recurring Cycle (LRC). These segments have repeated every **38–44 days (~41-day central cycle)**, producing severe weather in predictable time windows.
- We have updated this with three more risks identified.

Results of the 2024-2025 Severe Weather Year:

- **Over 90% of tornadoes in 2025** occurred in our predicted windows.
- **Less than 10%** occurred outside predicted dates.
- Each segment has verified in multiple cycles, often with deadly or high-impact events.

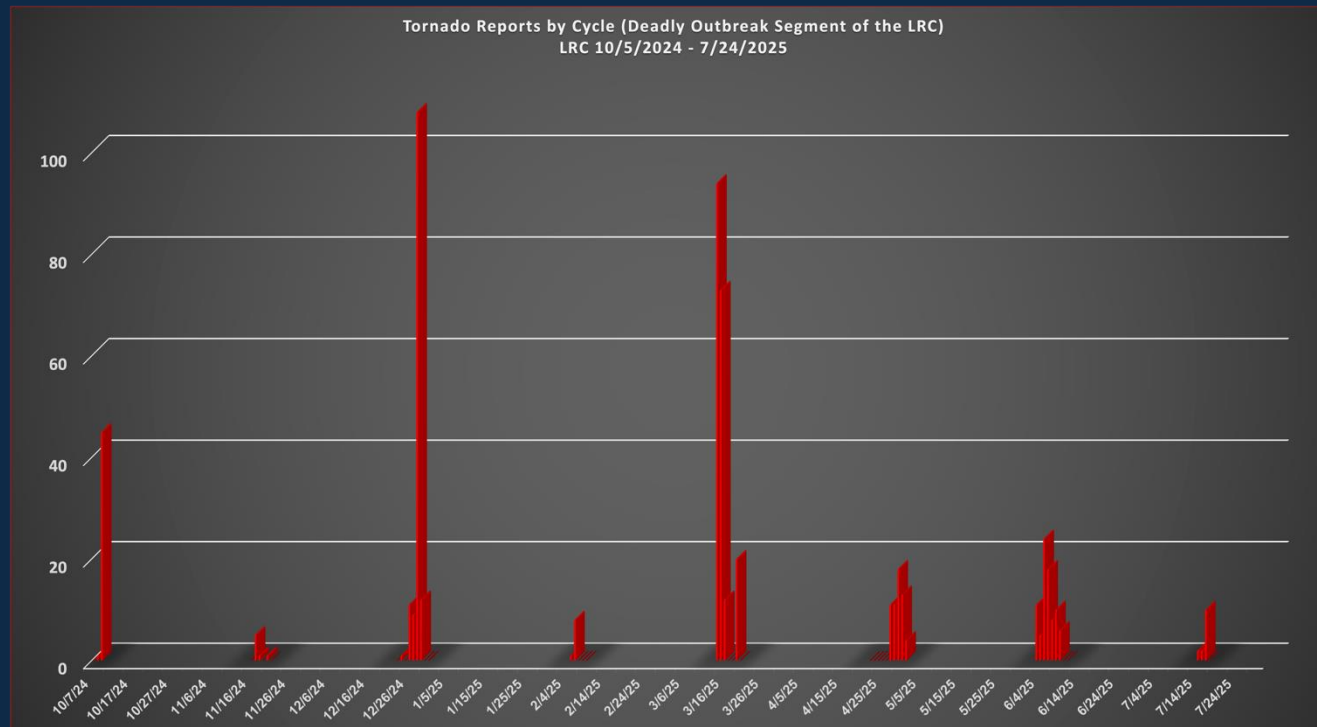
Segment A – Major Severe Weather Outbreak Segment Of The Cycling Pattern

• **Origin:** Early Weather Seed (October 6-9) – Severe Weather & Hurricane Milton

• **Key Verifications:**

- Dec 28, 2024 – Winter severe outbreak
- Feb 5–6, 2025 – Moderate outbreak
- Mar 14–17, 2025 – 150+ tornado reports, 30+ fatalities
- Apr 27–May 3 – Severe weather
- June 3–9 – Multiple systems, tornadoes
- July 10–18 – Severe storms, damaging winds

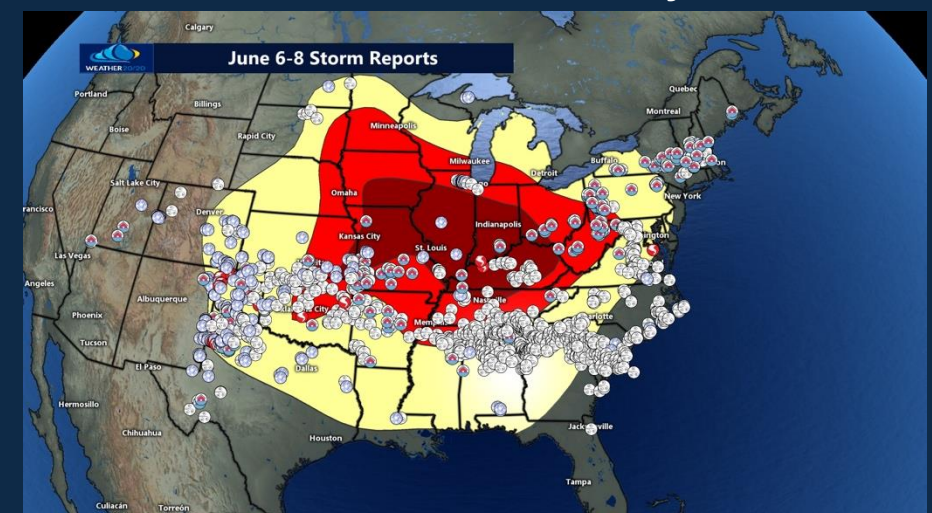
Next Due: Aug 21–28 & September 30 – October 4 Before New LRC Sets Up



• **Mid-March Deadly Tornado Outbreak Verified**



• **June 6-8 Tornadoes Over 120-Day Prediction**



Segment B – The KC Blizzard Segment With Severe Weather In Each Cycle

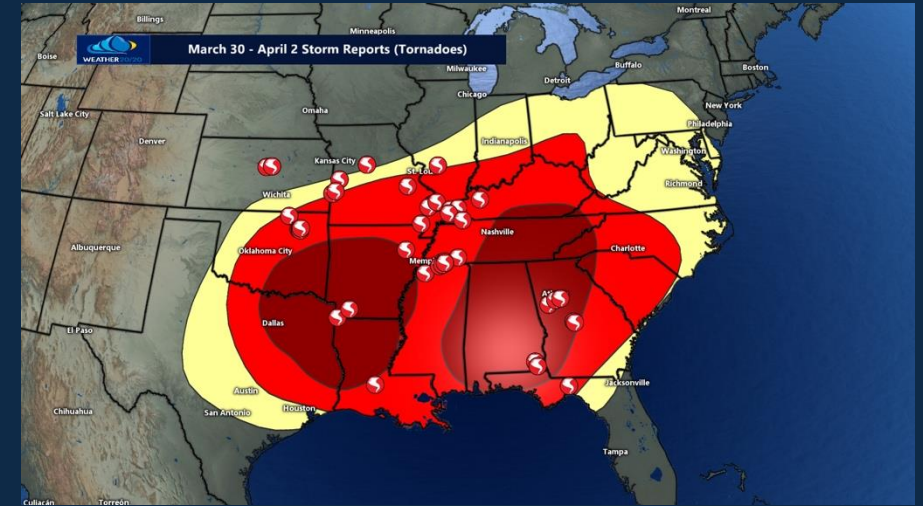
• **Origin:** Cycle 3 Weather Seed – January 5th Blizzard & Severe Weather Outbreak

• **Key Verifications:**

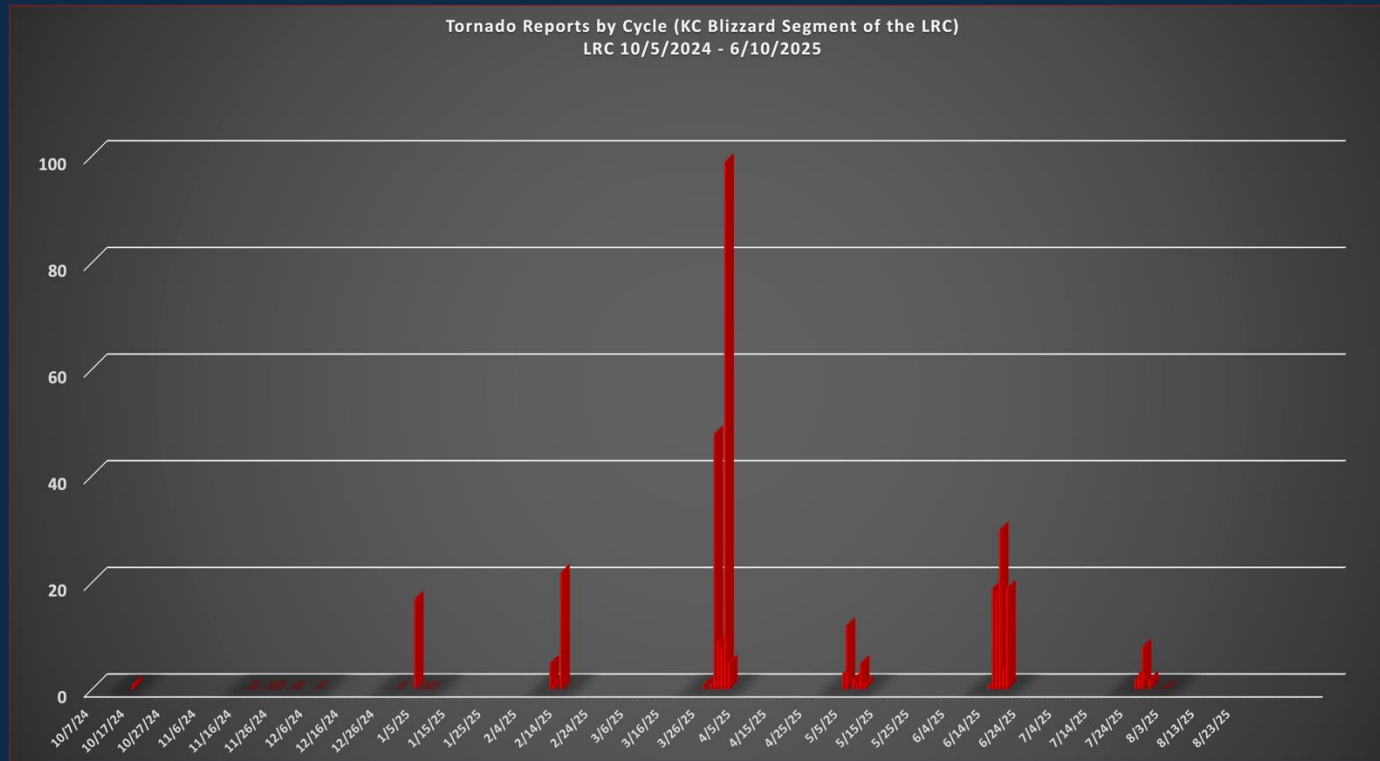
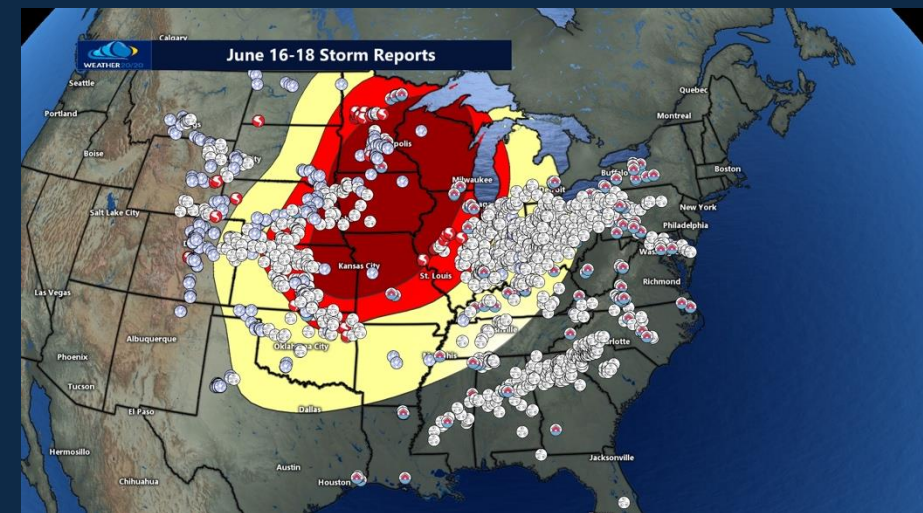
- Jan 5, 2025 – Blizzard in KC + severe weather south
- Feb 14–15 – Severe + snow
- Mar 29–April 3 – Severe storms
- May 5-12 – Severe weather
- June 15–20 – Multiple severe events – Derecho/Tornadoes/Fatalities
- July 28–Aug 5 – Level 4 risk, multiple severe reports – Return of Derecho

Next Due: September 5-10

• **Tornadoes Reported Over 50-Day Forecast**



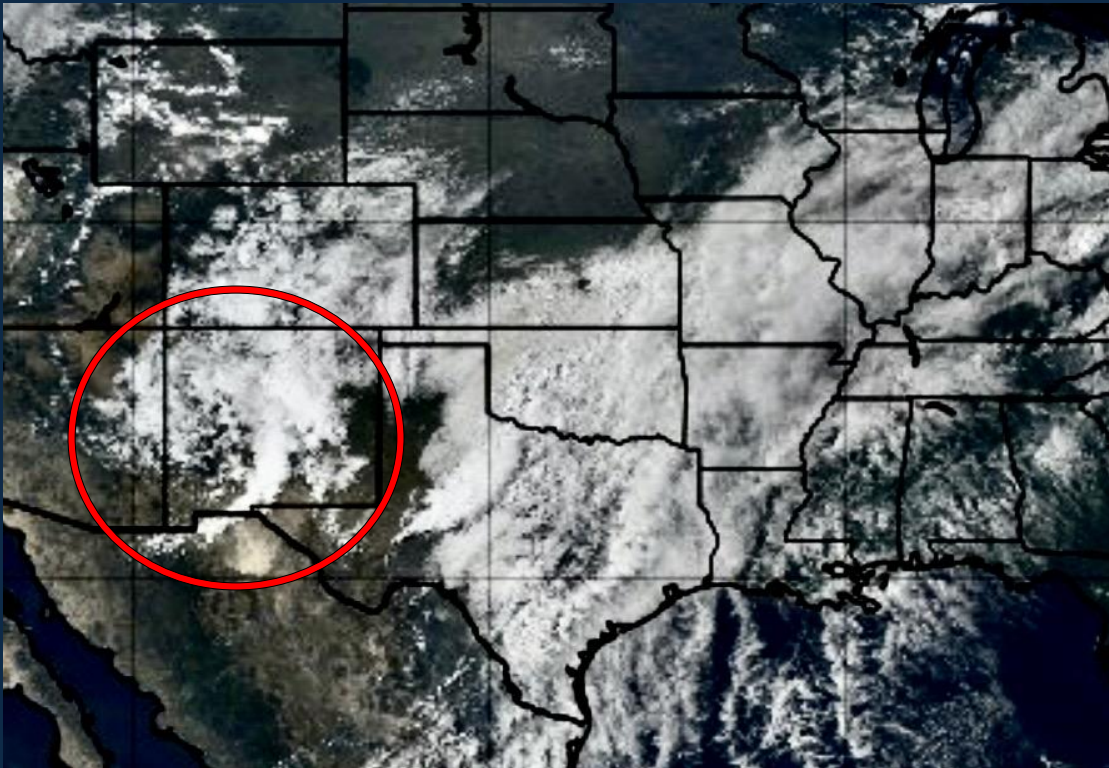
• **June 16-18 Reports Over 130-Day Forecast**



Segment C – The Part Of The LRC Related To The Texas Flood Disaster

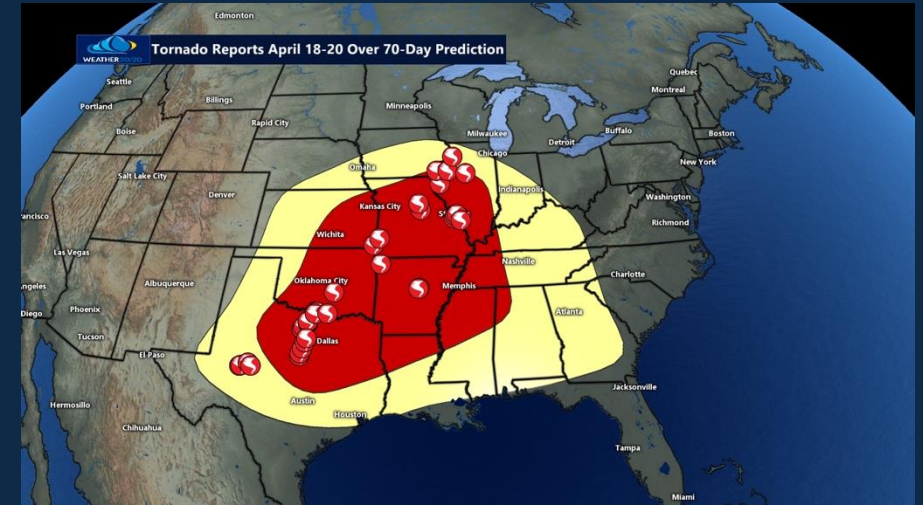
- **Origin:** Cycle 1 Weather Seed – October 30, 2024, Severe Weather
- **Key Verifications:**
 - March 3 - 7– Severe weather
 - April 14–20 – Multi-day severe event
 - May 24–30 – Severe weather
 - July 4–9 – Severe storms – Texas Flood Disaster Around The Same Time

Next Due: August 15-20 & September 26-30

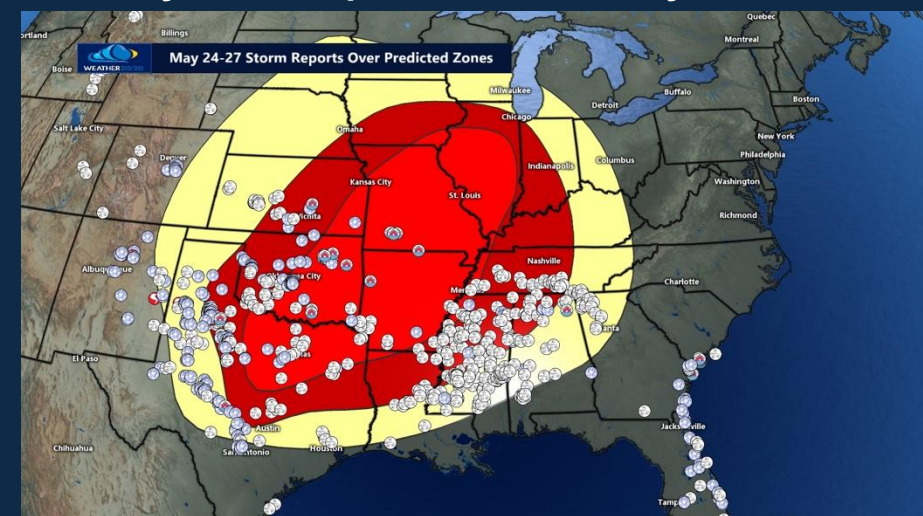


The Storm Approaching On April 19th

•Tornadoes Reported Over 70-Day Forecast



•May 24-27 Reports Over 105-Day Forecast



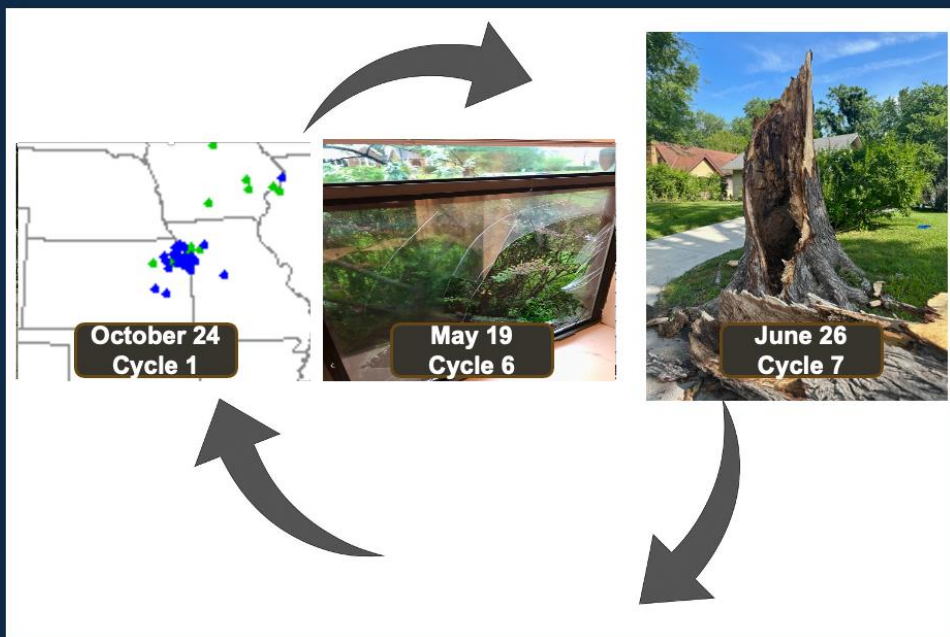
Segment D – Severe Weather In Each Cycle – Trees Down In KC Several Times

• **Origin:** October 24, 2024, Localized Plains severe event

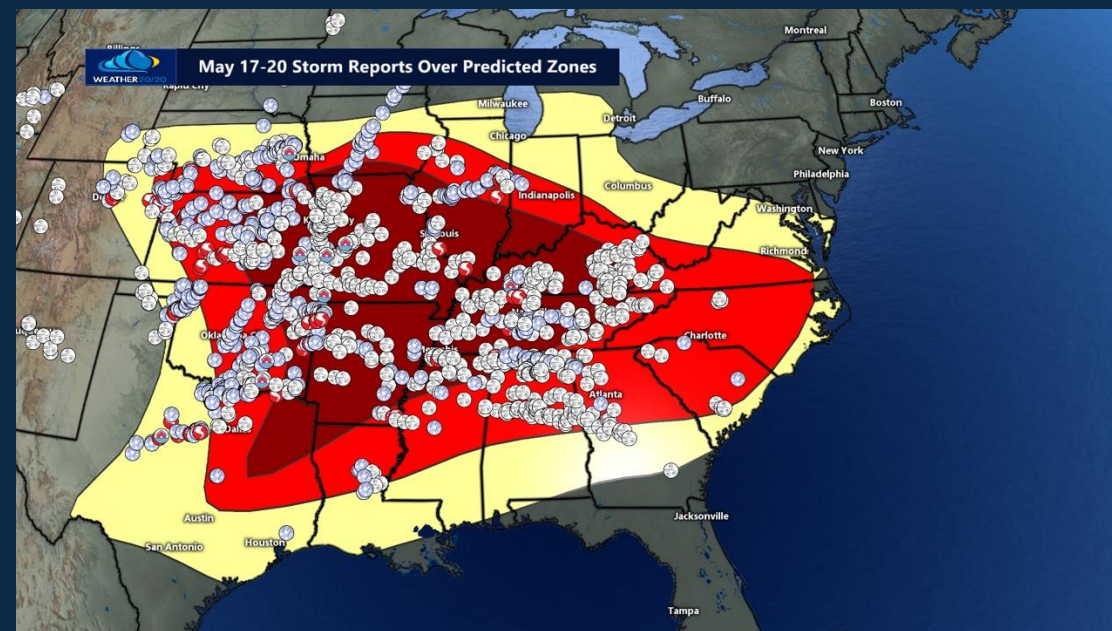
- **Key Verifications:**
- April 4-7 Severe Outbreak over several days
- May 16-21 – Deadly outbreak St. Louis to Kentucky
- June 25-27 – Severe Weather Trees Down
- August 5-8 – Summer Severe Weather

Next Due: September 15-18

KC Hit In Three Cycles – The Same Tree Causes Damage In Two Different LRC Cycles



• **100-Day Prediction Verified**



Segment E – Tornadoes in Each Cycle – California Severe Weather As Well

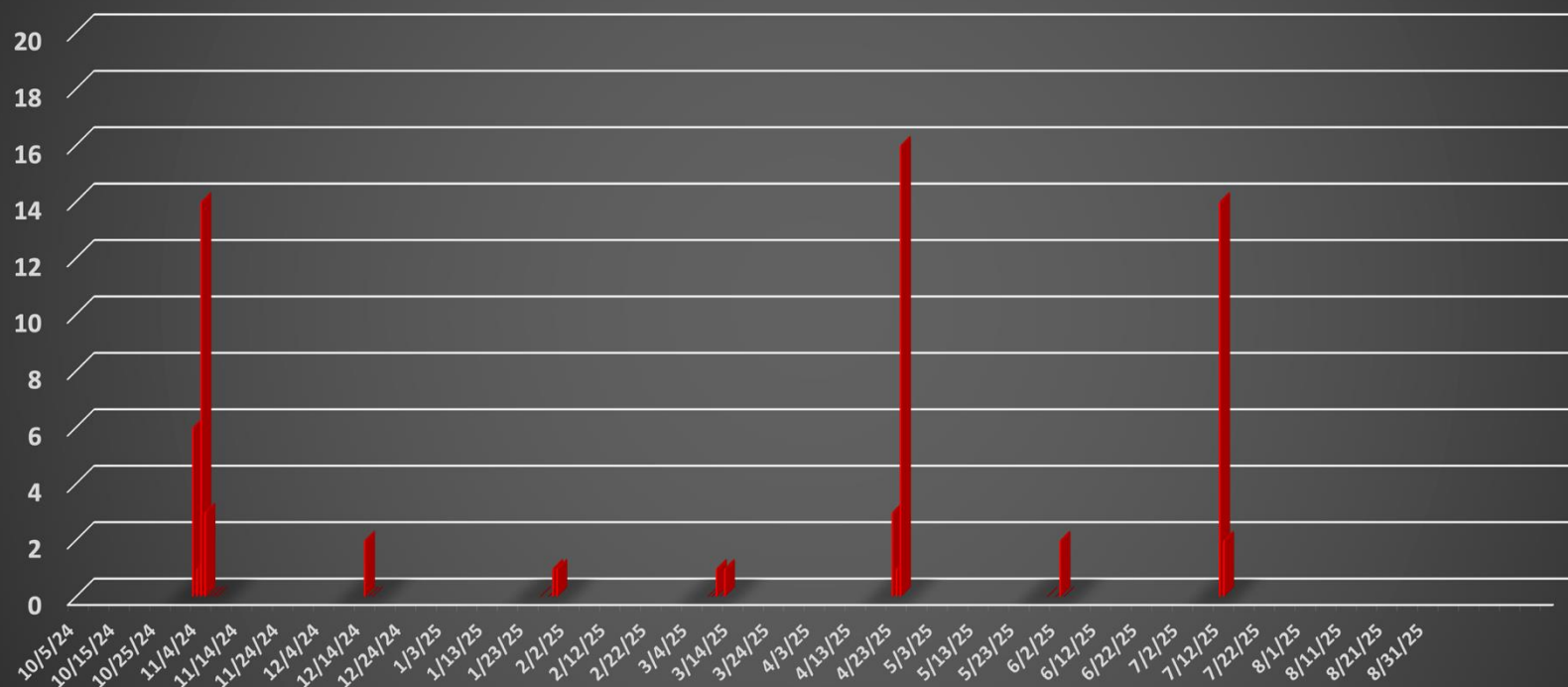
• **Origin:** November 2-5, 2024, Localized Plains severe event

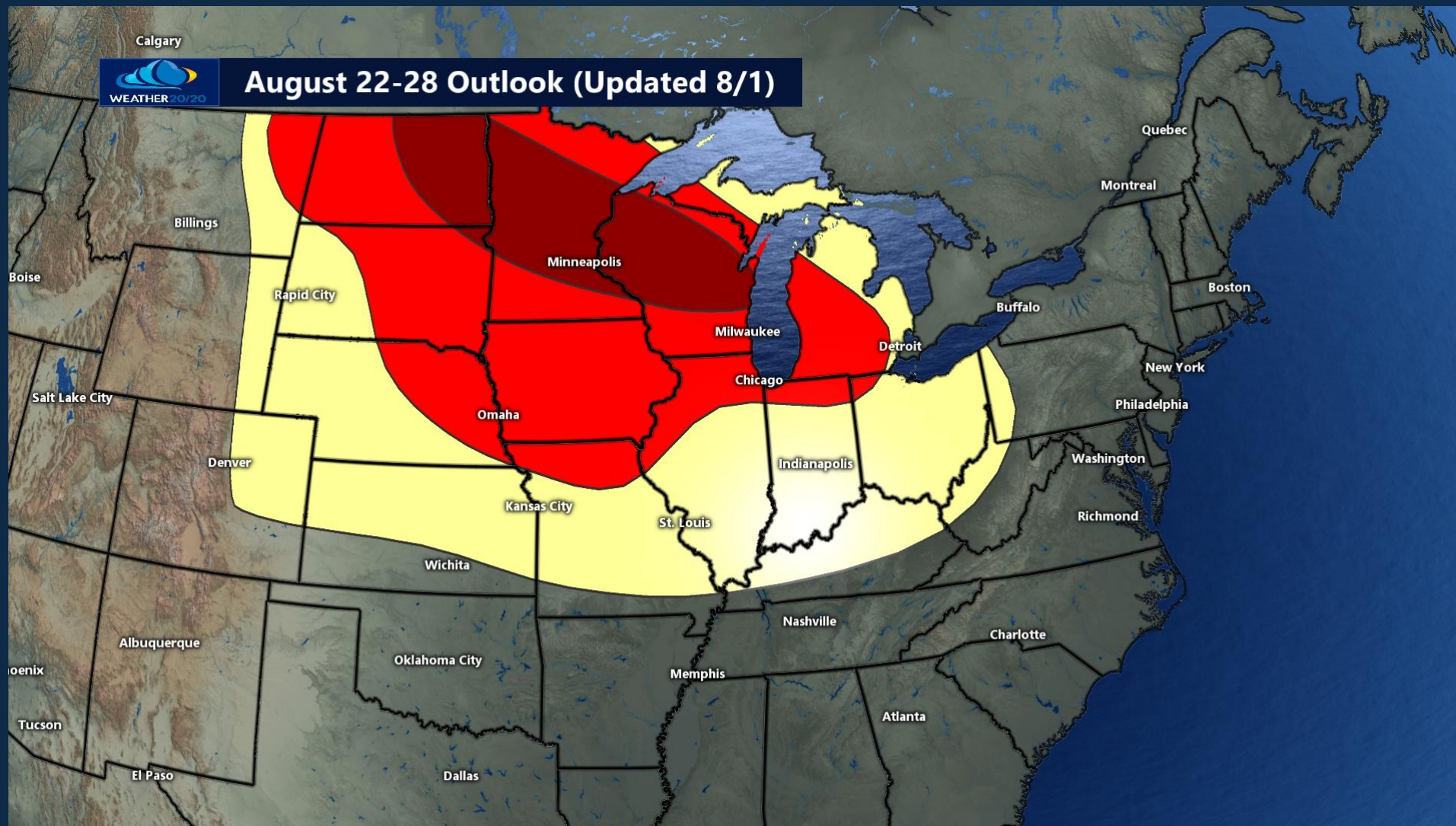
• **Key Verifications:**

- November 2-5 – Southern Plains tornadoes
- December 14 – **California** - Small December event
- Jan 30 – Small event Mississippi
- March 12 – **California**
- April 22-24 - Western Plains
- June 2-3 - **California**/Nevada & Plains/KC severe weather
- July 12-13 - KC region to Iowa

Next Due: August 24

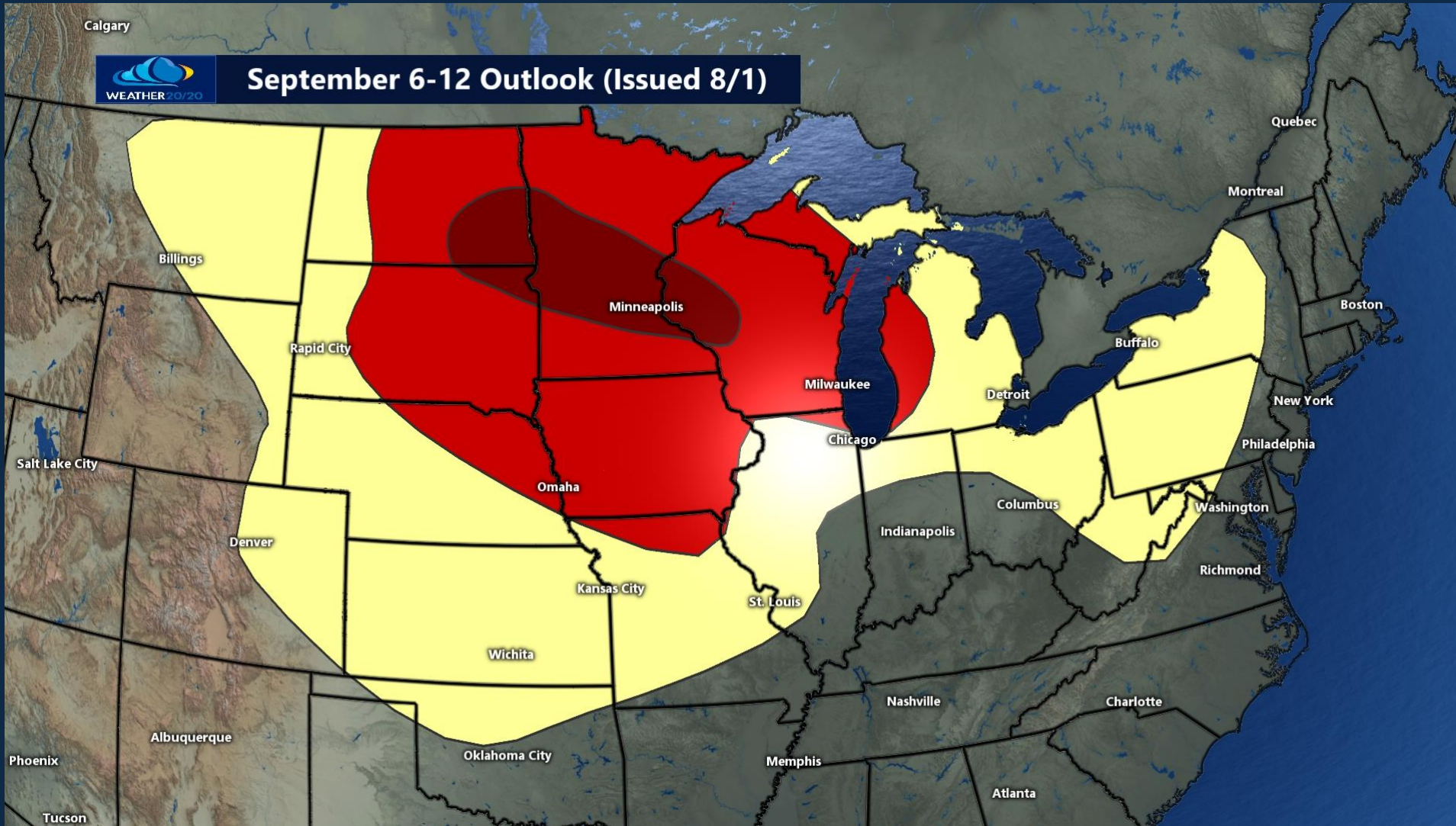
Tornado Reports By Cycle (Segment E)
LRC 10/5/2024 - 8/31/2025





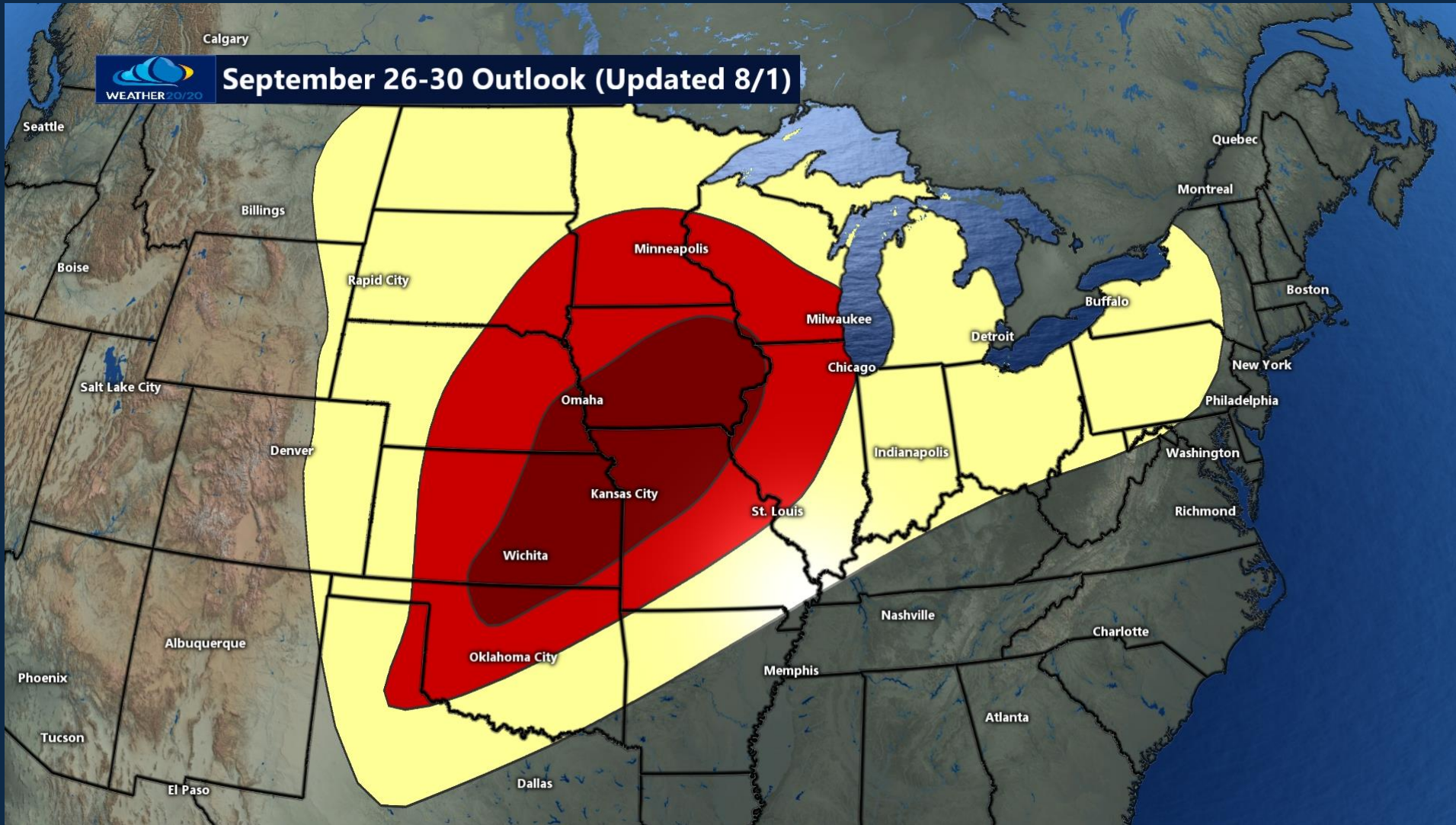
- This segment of the LRC produced the largest severe weather outbreak so far in this cycling pattern
- The December 28th outbreak was large for a winter outbreak.
- This segment of the LRC also produced the deadly mid-March outbreak.
- It has produced tornadoes in every cycle: The first 8 cycles.
- We will be moving into the 9th and final cycle of this year's LRC as this part of the pattern begins in late August

The KC Blizzard Segment Of The LRC Cycles Through One More Time



- This segment of the LRC produced a severe weather outbreak on January 5th while a major winter storm was in progress over the plains
- This part of the LRC also produced on November 20th and December 31st right after the major December 28th outbreak
- The jet stream will be strengthening slowly as we get to the middle of September, and this may increase a bit of strength to the west coast energy. This may impact the regions affected by this risk.

Late September Risk



- The fall jet stream will be strengthening as we move into the wetter/stormier phase of the 2024-2025 LRC. Before the pattern fades and evolves as the new LRC sets up in October, we are forecasting an impacting severe weather and flooding event for late September/early October.
- This segment of the LRC produced severe weather in early November, mid-December, and a set up for severe weather in January
- This segment of the LRC also produced in California three times. Will it do it again?

Frequently Asked Questions

- **What do the colors represent on the Weather 20/20 Forecasts**
 - ✓ Just like on the Storm Prediction Center forecasts, the yellow is a level 1-2 risk, with the brighter red being a level 3 risk, and the darker red indicating a much bigger severe risk at level 4. If it does go to level 5, then the SPC risk will turn brighter purple/pink
- **Why is there a date range and what if it slightly falls out of the range?**
 - ✓ We do attempt to narrow the forecasts down to a series of dates and even try to specifically target a certain date at times.
 - ✓ The weather pattern is cycling regularly with in a range. The 2024-2025 season is cycling in the 38–44-day range. This means that the dates may slide a couple days earlier or later at times.
- **How accurate are these forecasts?**
 - ✓ The past two years, these forecasts have been over 90% accurate
- **Will we update these forecasts?**
 - ✓ The weather pattern is cycling so regularly that we will only adjust the forecasts as necessary. We plan to update the predictions every few weeks.
 - ✓ The dates may shift by a couple days at times, but we try to maintain the original forecast
 - ✓ This is the final update of 2025