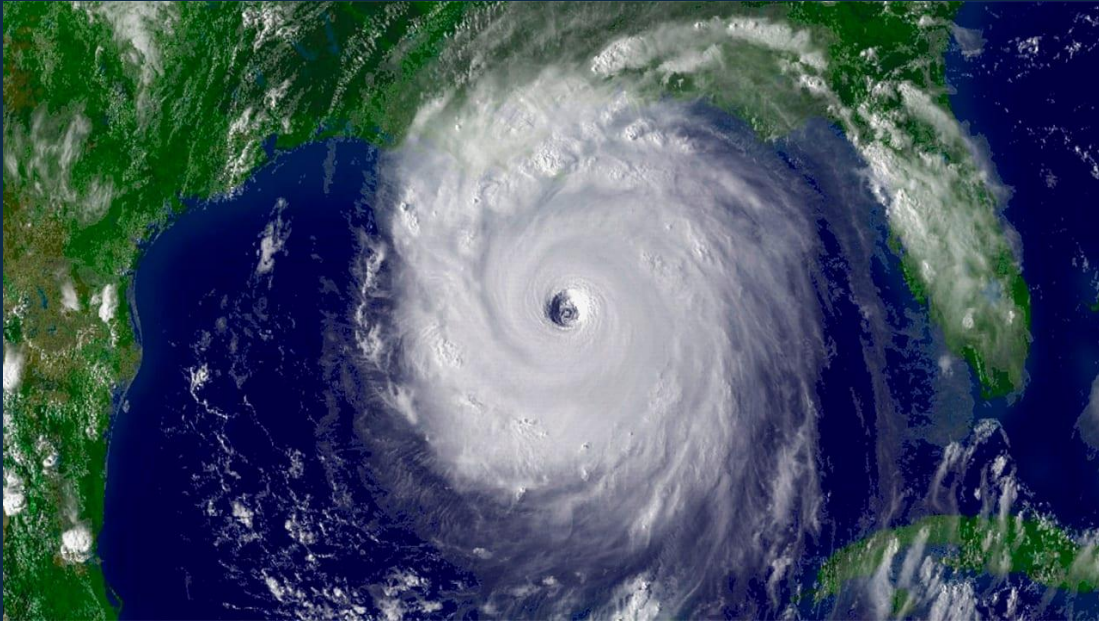


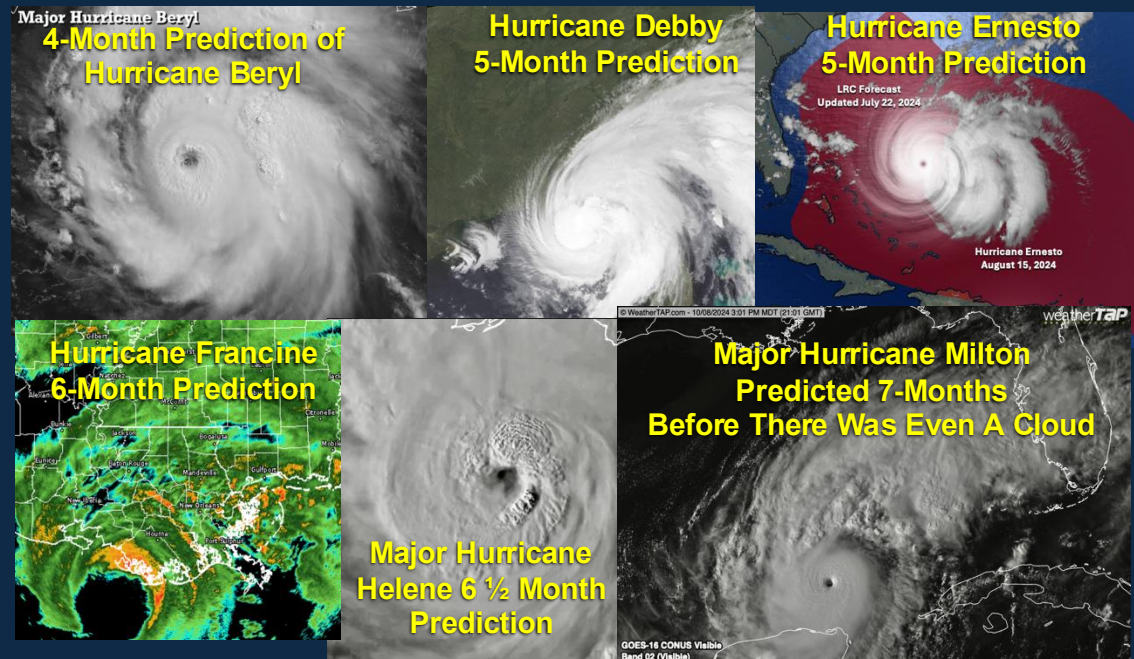
2025 Hurricane Season Forecast Guide Updated July 8, 2025



- Page 1: Introduction
- Page 2: LRC Accuracy
- Page 5: 2025 Forecast
- Page 6: Weather Seed Analysis For The Rafael Segment
- Page 7: Updated Names For The Season List
- Page 8: Hot Spots
- Page 9: Hurricane Season Predictions
- Page 21: Appendix – FAQs – Case Studies

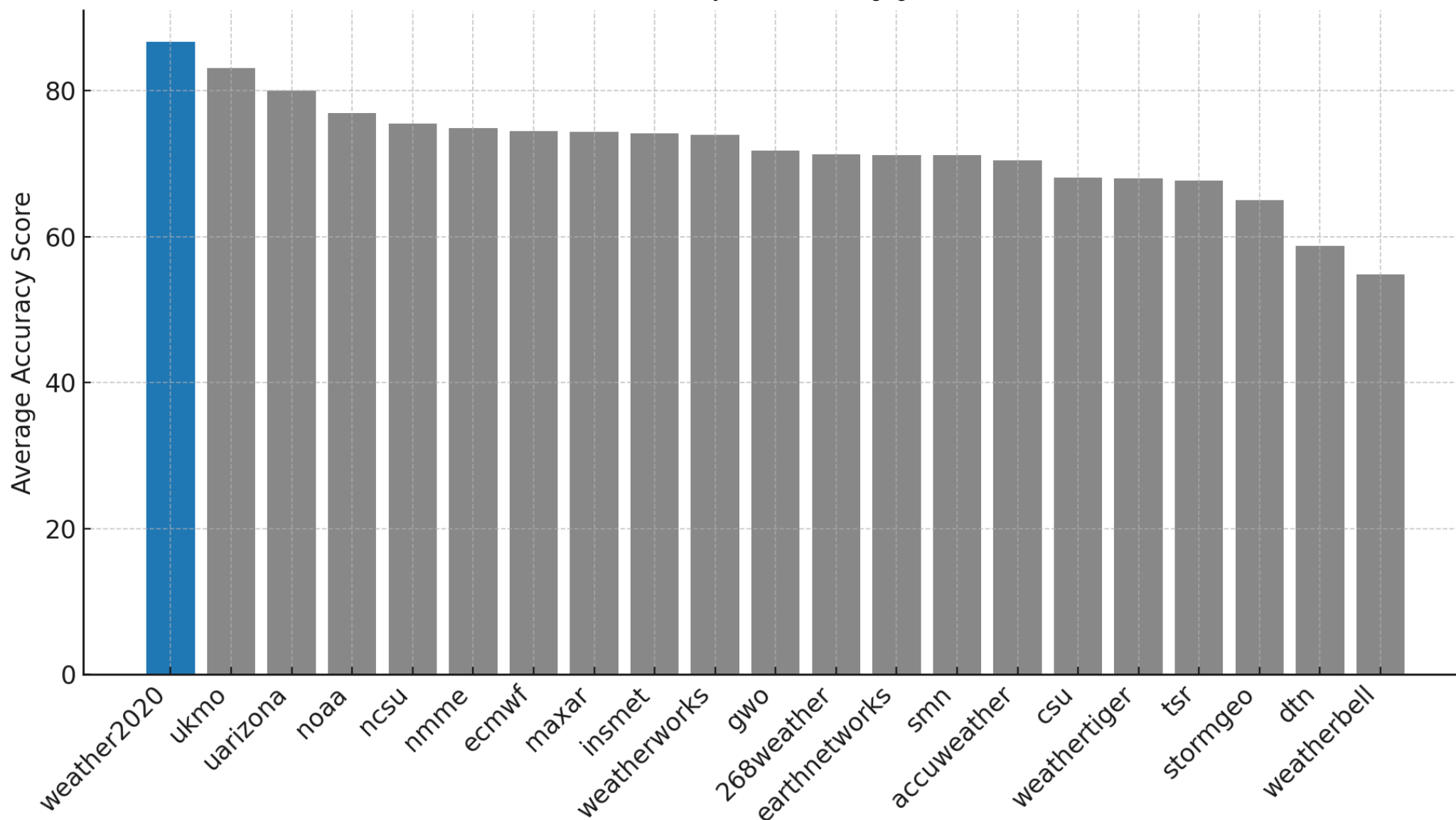
Forecasting Accuracy Using The LRC vs. Other Traditional Methods/Models

Forecast Type	LRC Verified Accuracy (15 to 300 Days)	Traditional Model Accuracy (15-Day Outlook)
LRC Pattern Itself	~100%	<20%
Severe Weather Setups	>90%	<20%
Tropical Storms from Weather Seeds	65%	Not Able to Predict
Recurrence of Named Storms	84%	Not Able to Predict
Winter Storms (1-2 cycles)	~80%	<20%
Algorithm-Only LRC Model	36-76%	<25%






3-Year (2022-2024) # of Named Storms Only: Hurricane Season Rankings

Data Tracked by the Barcelona Supercomputing Center
of Named Storms Accuracy Chart From Averaging 2022-2024



Weather 20/20 Is The Most Accurate In The World 3-Year Average (2022-2024)

 **Equal Weight 3-Year (2022-2024) Average (No Bonus)**
(25% each: Named Storms, Hurricanes, Majors, ACE)

Rank	Forecaster	Score
 #1	Weather 20/20	87.38
 #2	NOAA	74.22
 #3	Earth Networks	72.94
4	CSU	70.60
5	NMME	69.62
6	StormGeo	68.89
7	AccuWeather	68.80
8	268Weather	67.26
9	TSR	66.83
10	Weathertiger	65.94
11	WeatherBell	64.35
12	UArizona	61.19
13	GWO	59.54
14	UKMO	59.33

2025 Hurricane Season Forecast From Weather 20/20

	Weather 20/20 Forecast	Average Seasonal Total
# of Named Storms	20 (17-23)	14
# of Hurricanes	12 (9-14)	7
# of Major Hurricanes	5 (4-6)	3
ACE (Accumulated Cyclone Energy)	180 (155-205)	123

Weather Seed Analysis from Previous LRC Cycles for the Rafael Segment of the LRC



- **Cycle 1:** Rafael was a CAT 3 hurricane on November 8th in the middle of the Gulf of Mexico.
- **Cycle 2:** There was another weather seed on December 16 close to where Rafael organized in the Caribbean Sea near Hispaniola
- **Cycle 3:** Upper Highs over the Caribbean Sea
- **Cycle 4:** A match of the pattern from March 10th to June 2nd
- **Cycle 5:** April 25th seed
- **Cycle 6:** June 2, 3, 4 aligning with March 10

Forecast: This part of the pattern will cycle through during the first half of July, late August, and possibly one more time in early October before the new LRC sets up



2025 Hurricane Season Names

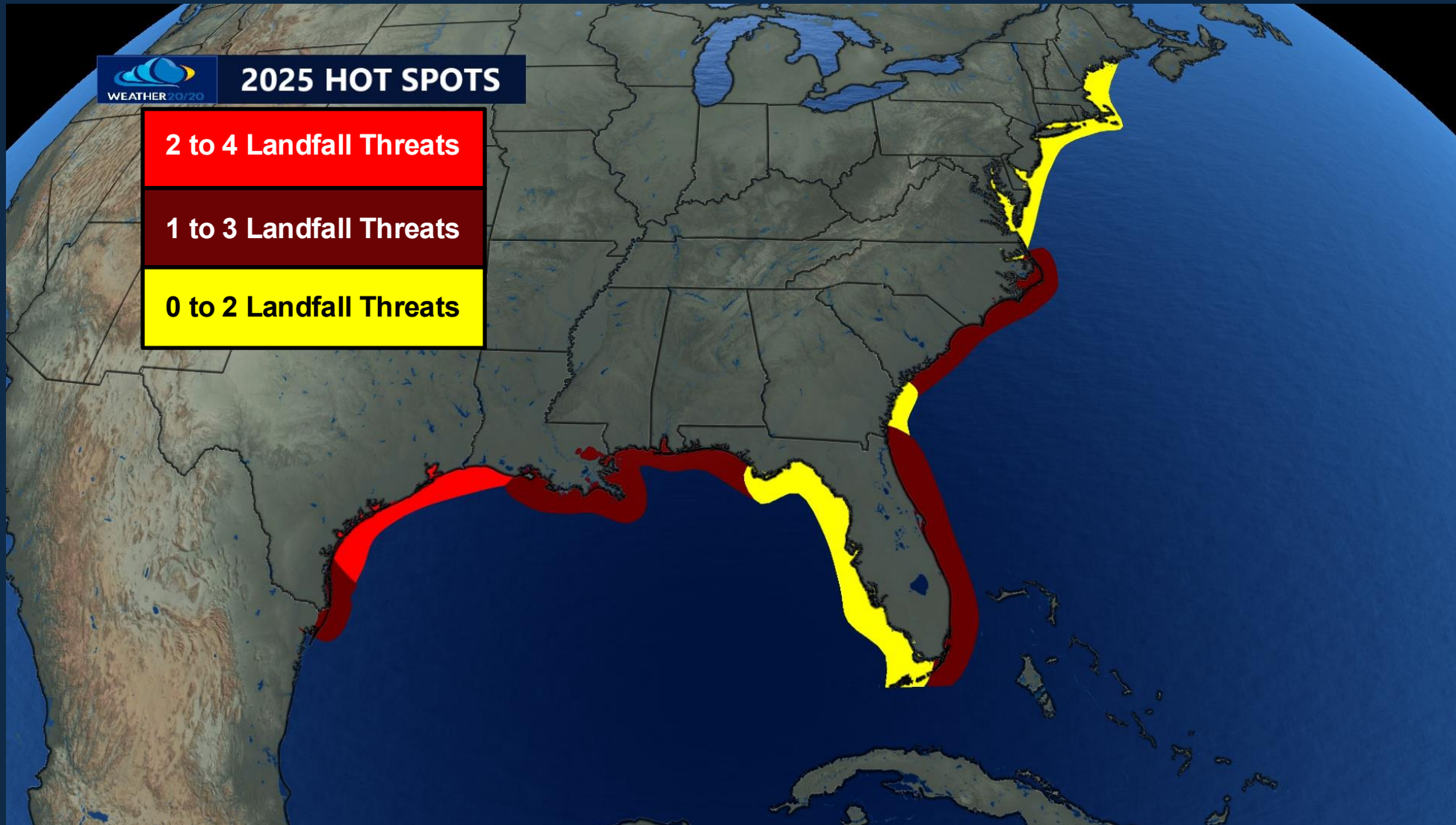
Tropical Storm

Hurricane

Major Hurricane

Andrea	Humberto	Olga
Barry	Imelda	Pablo
Chantal	Jerry	Rebekah
Dexter	Karen	Sebastian
Erin	Lorenzo	Tanya
Fernand	Melissa	Van
Gabrielle	Nestor	Wendy

Forecast Hot Spots – Number of Landfall Threats

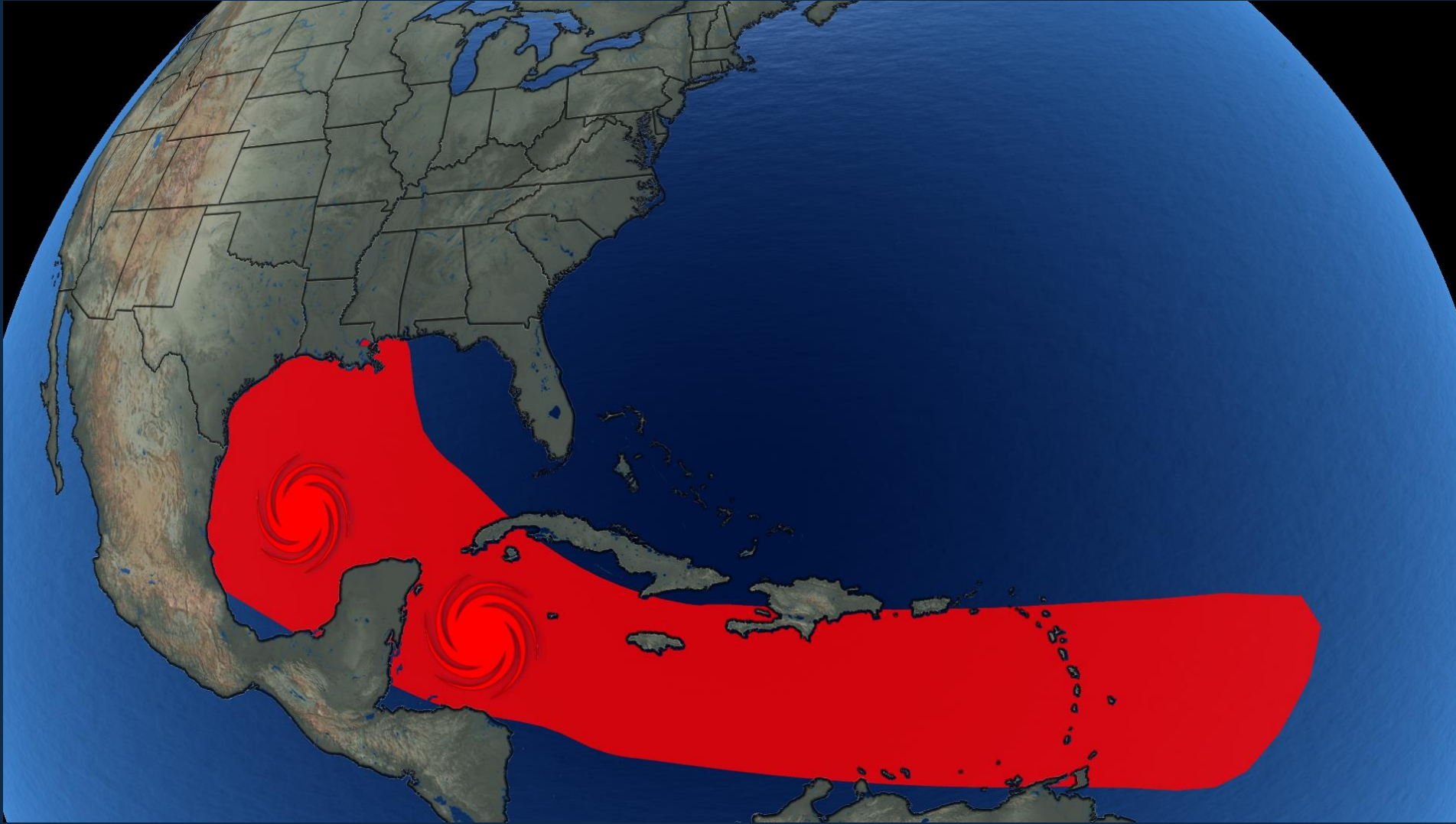


- This is the hot spot forecast
- By February we had already identified the most likely region to have the most threats this season
- The biggest hot spot has been identified over a large part of the Texas coast and adjoining areas of the Louisiana Gulf coast
- After a very active 2024 season, northwest Florida to the Keys is more likely to have a lower # of threats this season



Peak Hurricane Season Predictions

September 2 – 16 Risk: This Is The Tropical Storm Nadine & Barry Segment Of The LRC



- Tropical Storm Nadine organized around October 19-20, 2024.
- Tropical Storm Barry Began Developing in almost the same spot, within miles, of where Nadine formed
- Barry moved inland over Mexico south of Texas and then drifted north and it added moisture and a disturbance to what became a horrific flood disaster near the Guadalupe River. Over 100 people were killed.
- We are monitoring late July into the first week of August and **September 2-16 near peak season** for potential development, a reflection of Barry & Nadine.

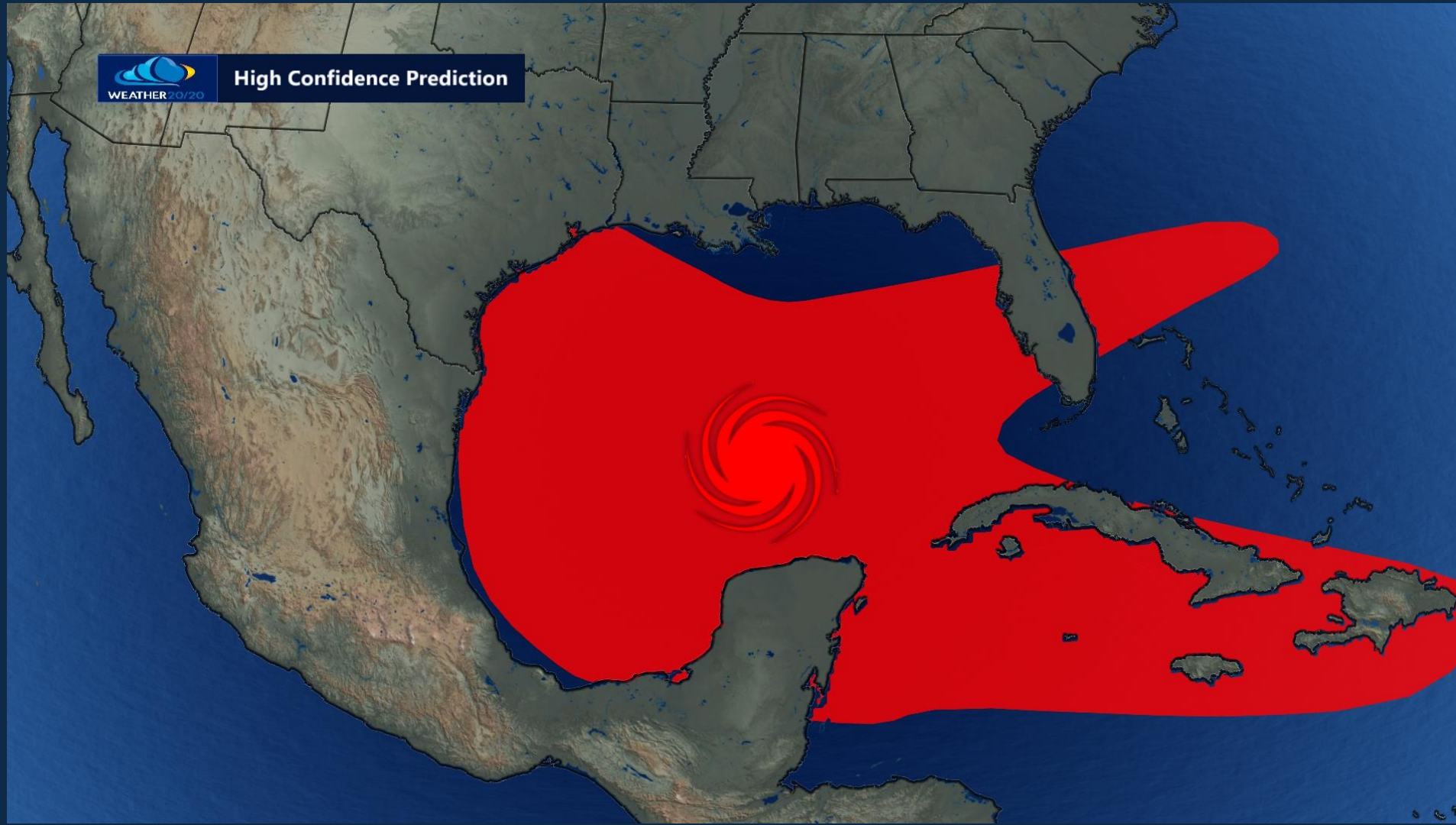
Landfall Potential – August 15– September 1 (August 20-24 is highest probability)

(This part of the cycling pattern will also return just before the new pattern sets up in October)



- Rafael became a Category 3 hurricane on November 8th, deep into the first full cycle of this year's LRC, signaling a high-confidence risk for a repeat system during the 2025 season
- Based on the LRC cycle length, an organized tropical system is likely to develop and threaten the Texas-Louisiana coastline, potentially becoming one of the strongest of the season
- Key dates to watch for possible development are in late May to early June, and around mid-July

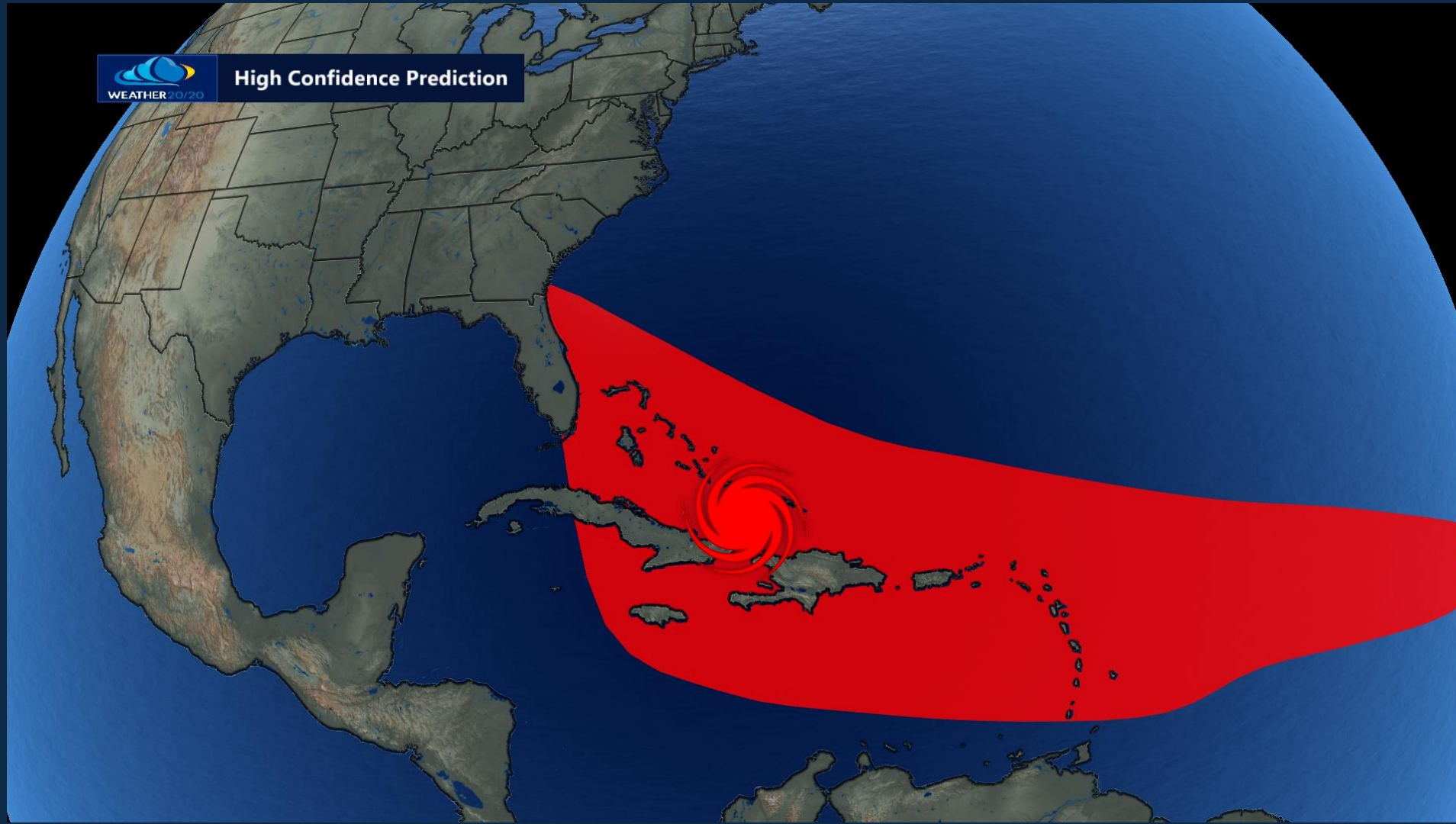
August 25 – September 9 Risk: Hurricane Milton & Tropical Storm Sara Part of the LRC



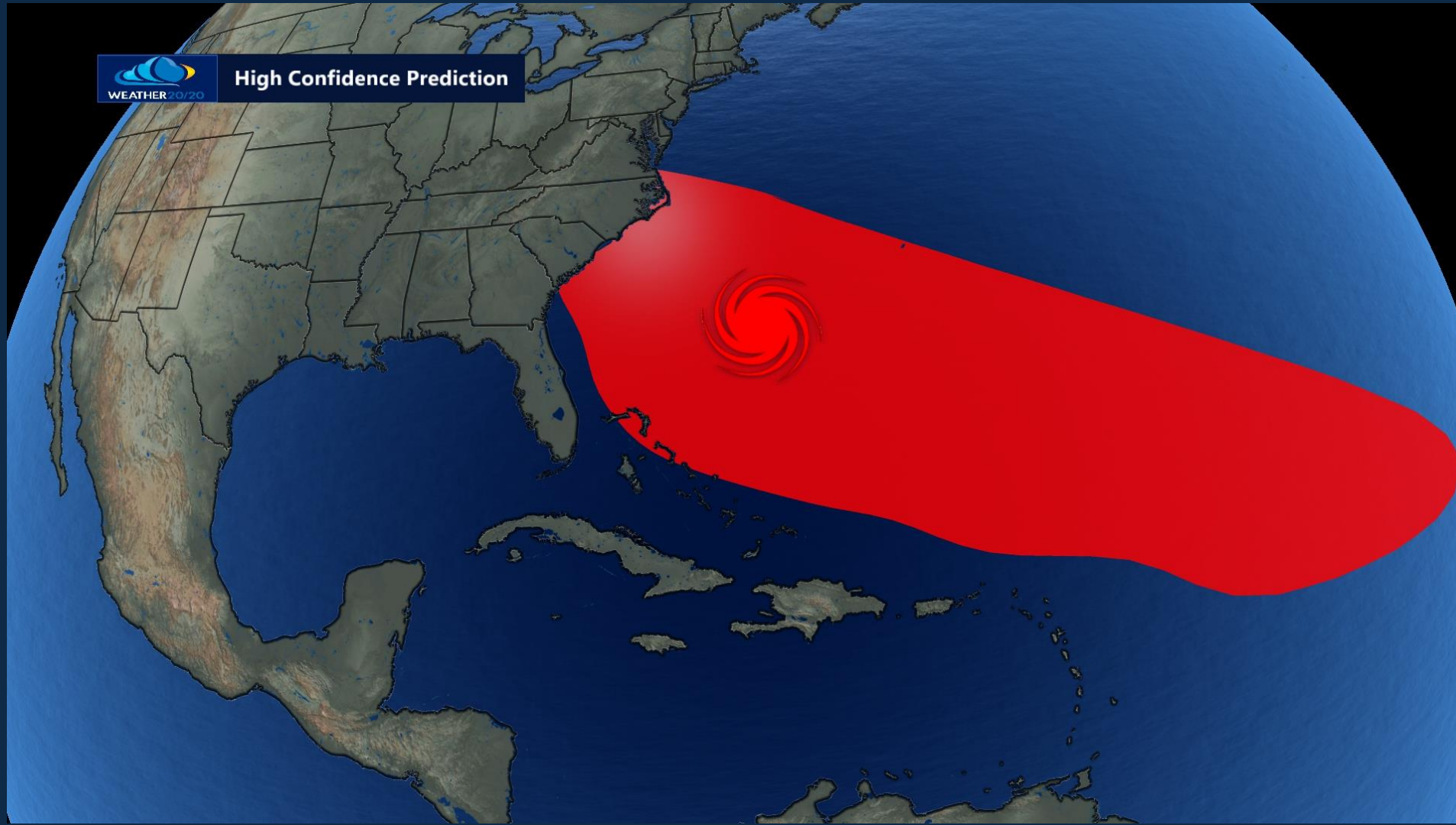
The Story behind this prediction:

- Hurricane Milton, one of the most powerful hurricanes in recent history, developed over the western Gulf just as the new LRC was setting up in early October.
- As Milton weakened and approached Florida's west coast, it triggered a major tornado outbreak, a signature LRC event.
- Roughly six weeks later, Tropical Storm Sara followed a similar Gulf track, the remnants of Sara survived, reinforcing the validity of this prediction
- Using October 8th as the central anchor date we are projecting reflections and impact dates from Early-Mid June, Mid-Late July, and most **likely late August to early September**

September 6 – 20 risk: Oscar Part Of The Cycling Pattern



September 15-30 risk: Tropical Storm Chantal Segment Of The Cycling Pattern



- Tropical Storm Chantal & Atlantic East Coast Weather Seeds (October 21-24) & Tropical Development July 4
- The primary impact zone appears to be the coastal regions of South Carolina and North Carolina.
- Forecast Windows to monitor: **Mid-August, and around September 15-30** near or just after peak season.



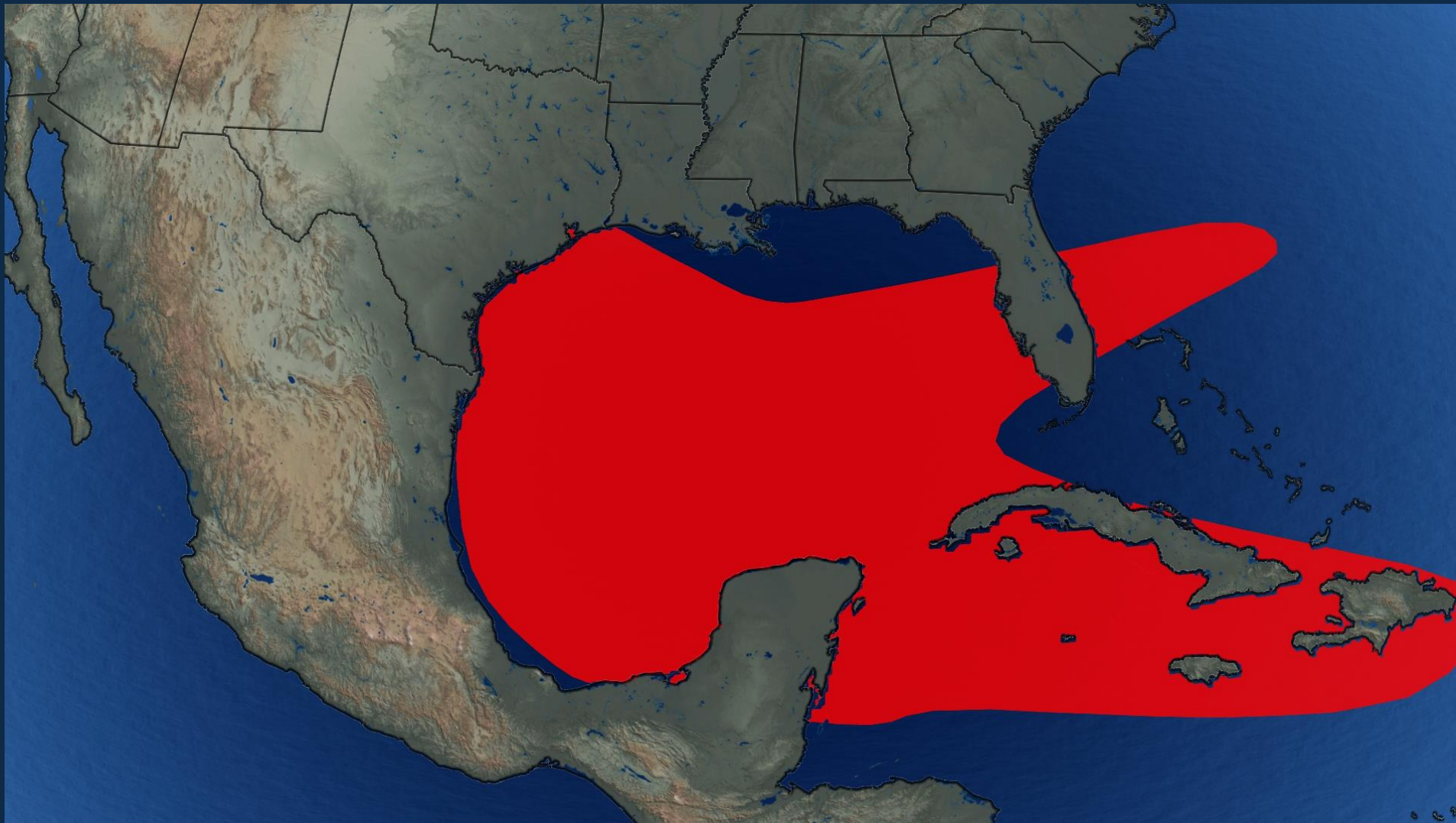
Mid-Season Dates To Monitor

Early to Mid July Risk: This Part Of The Cycling Weather Pattern Is Related to Hurricane Rafael



- Rafael became a Category 3 hurricane on November 8th, deep into the first full cycle of this year's LRC, signaling a high-confidence risk for a repeat system during the 2025 season
- Based on the LRC cycle length, an organized tropical system is likely to develop and threaten the Texas-Louisiana coastline, potentially becoming one of the strongest of the season
- Key dates to watch for possible development are in late May to early June, and around **mid-July**

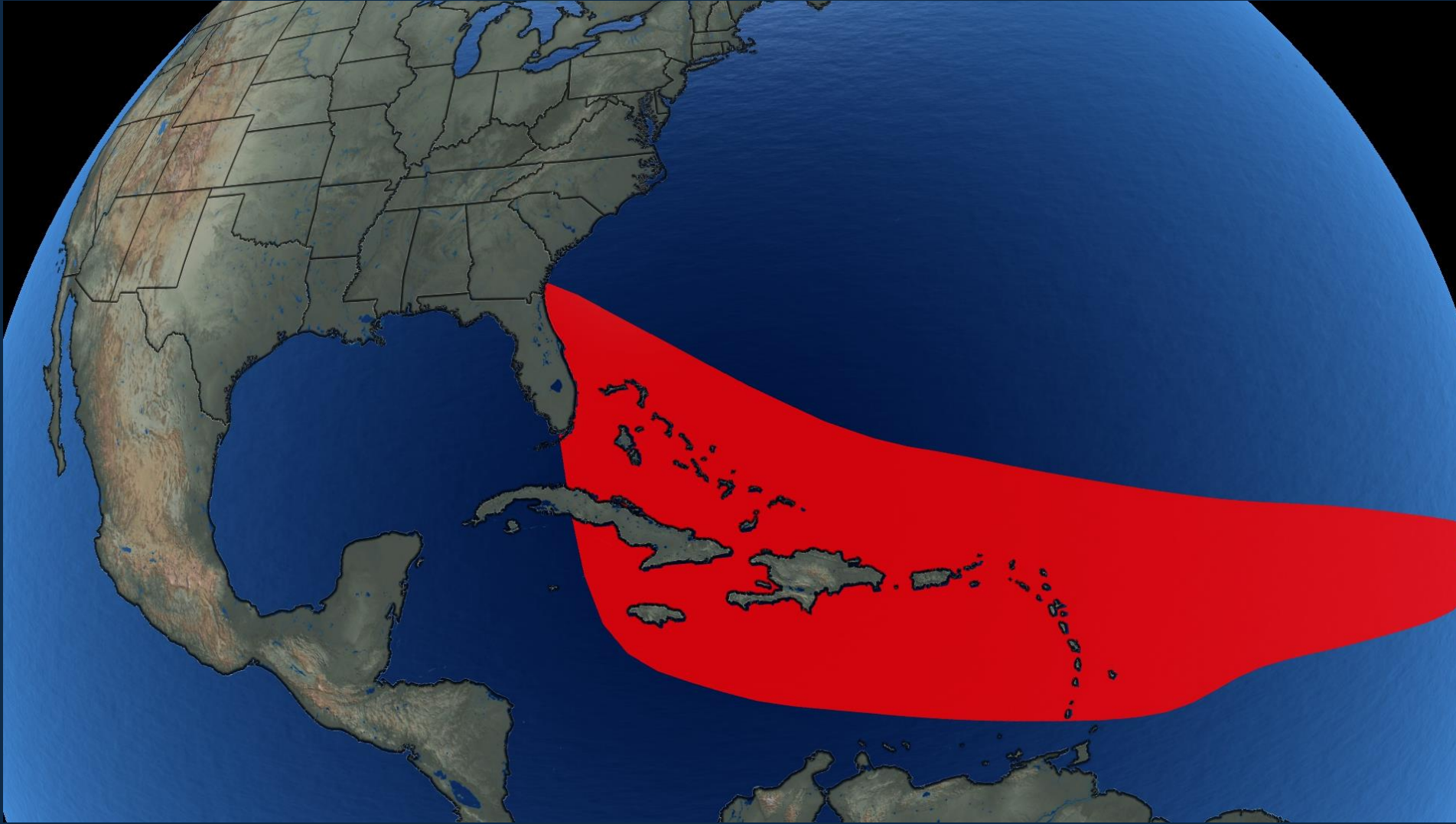
Mid-July Risk: Hurricane Milton Part of the Cycling Weather Pattern



The Story behind this prediction:

- Hurricane Milton, one of the most powerful hurricanes in recent history, developed over the western Gulf just as the new LRC was setting up in early October.
- As Milton weakened and approached Florida's west coast, it triggered a major tornado outbreak, a signature LRC event.
- Roughly six weeks later, Tropical Storm Sara followed a similar Gulf track, the remnants of Sara survived, reinforcing the validity of this prediction
- Using October 8th as the central anchor date we are projecting reflections and impact dates from Early-Mid June, **Mid-Late July**, and most **likely late August to early September**

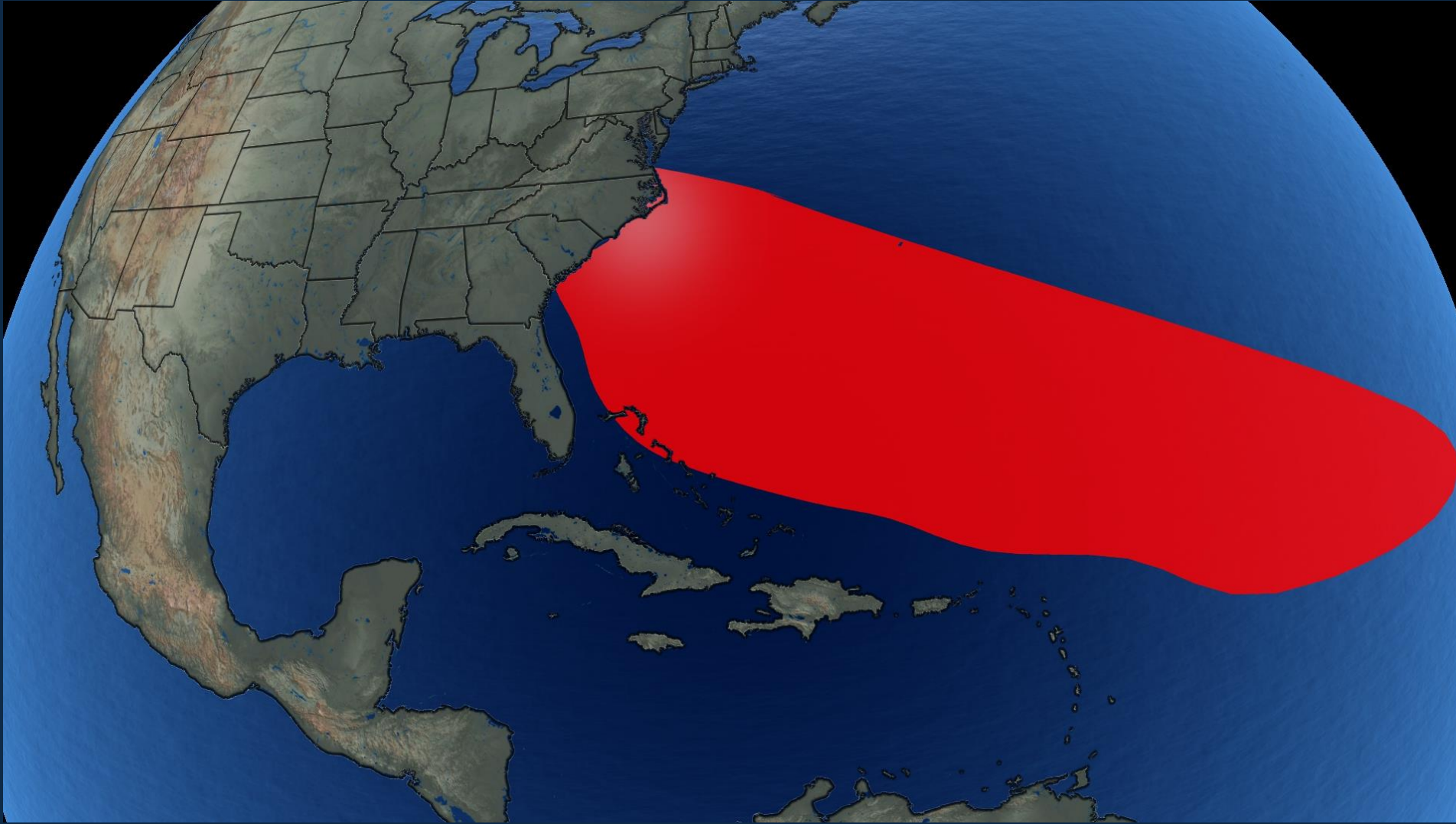
Early – Mid - August Risk: This Is The Oscar Part Of The Cycling Pattern



Tracking the Oscar segment of the LRC

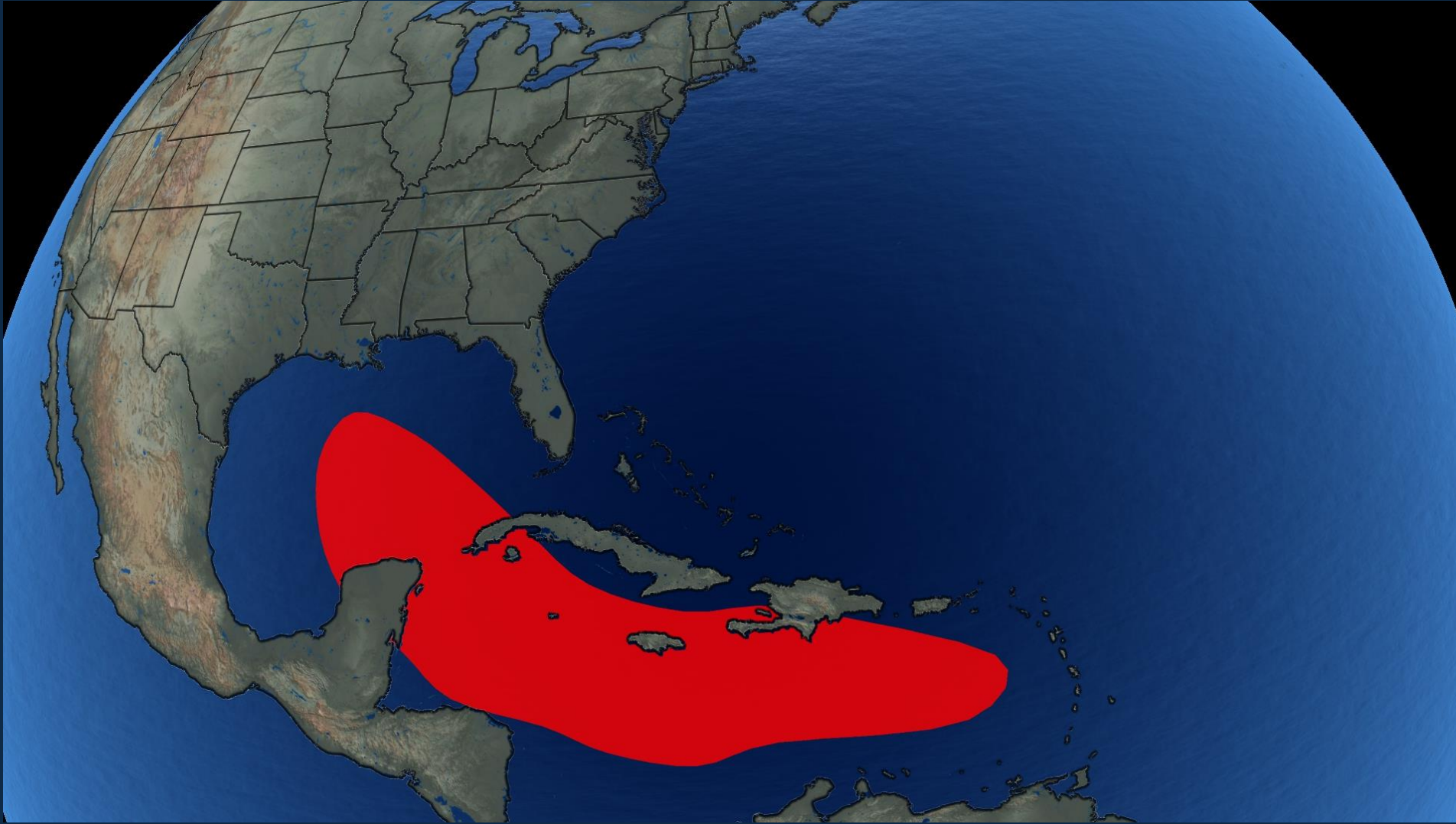
- Hurricane Oscar originated as a disturbance off the west coast of Africa and slowly tracked across the Atlantic.
- The system did not organize into a named storm until October 19, 2024, when it intensified between Hispaniola and Cuba.
- The primary threat in the upcoming cycle is to the outer islands and then targeting the east coast of Florida, with the potential for impacts extending farther north along the Southeast U.S. coastline.
- There is also a secondary risk of a system forming and curving into the Gulf of Mexico (America).
- Timing is adjusted to early –Mid **August**, and near peak hurricane season around the second w to third week of September

Mid August Risk: Weather Seeds Identified Off The Southeast Coast In October



- Tropical Storm Chantal & Atlantic East Coast Weather Seeds (October 21-24) & Tropical Development July 4
- The primary impact zone appears to be the coastal regions of South Carolina and North Carolina.
- Forecast Windows to monitor: **Mid-August, and around September 15-30** near or just after peak season.

Late July – Early August Risk: Related To Tropical Storm Nadine



- Tropical Storm Nadine organized around October 19-20, 2024.
- This is something we will monitor near or just after peak hurricane season
- There are other systems being monitored in this segment of the LRC.
- This system is a bit lower confidence than the other higher confidence predictions and we will monitor the early-to-mid-season cycles for more evidence of this part of the LRC producing an organized tropical system
- The earlier dates to monitor are near mid-June and again **late July into early August**

Appendix & Case Studies

FAQs (Frequently Asked Questions)

- **Why does it look like the higher confidence predictions are in the same spot as the early-to-mid-season predictions?** Answer: The weather pattern is cycling according to the LRC and this year's cycle is close to six weeks long. This means if we have identified a higher confidence risk of an organized tropical system around September 1st, then we will be looking for a reflection of that September 1st system around six weeks and around 12 weeks earlier, or around June 11th and July 22nd. These are those early to mid-season risks that will end up related to the higher confidence storm.
- **What is a Weather Seed?** Answer: We used to call these Weather Seeds "Early Indicators". We identify parts of the cycling pattern that may be an upper level low at the 500 mb level, or a few surface features that may blossom into tropical systems in future cycles of the LRC.
- **What is the LRC?** Answer: The LRC stands for Lezak Recurring Cycle, and it was named in 2003 by the bloggers of the Action Weather Blog after Gary Lezak starting making accurate predictions of winter storms, severe weather outbreaks, and other significant weather events. A unique cycling weather pattern sets up every fall and a cycle becomes established and the full cycle repeats until the new pattern sets up the following fall.
- **How accurate are these predictions?** Answer: Through a 24-year analysis of previous hurricane seasons when a weather seed is identified, these sprout into tropical systems with an accuracy rate of 65%. If there is an earlier season named storm, the probability increases to 84%.



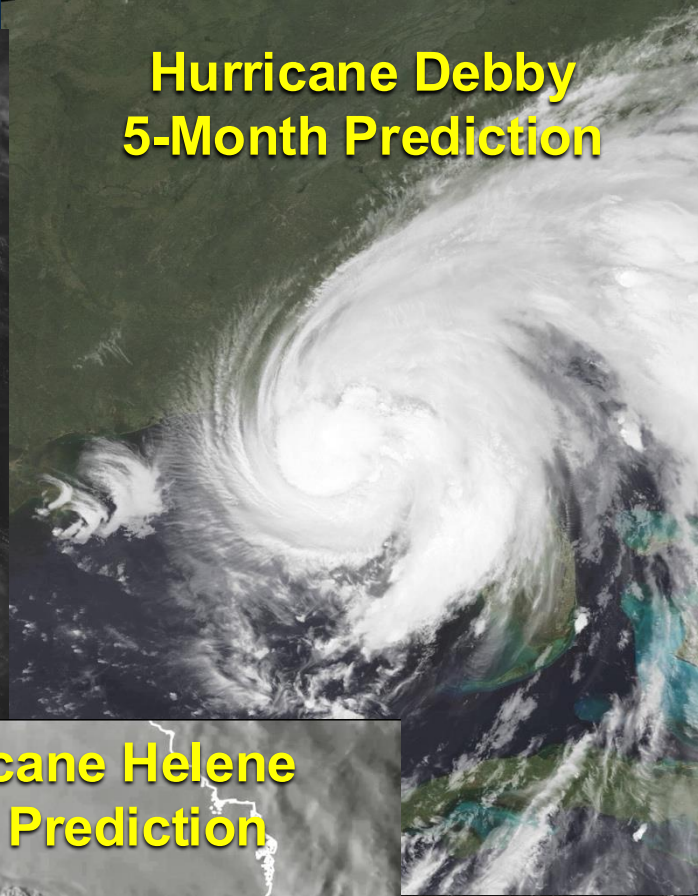
The 2024 Hurricane Season Accuracy Story

2024: All Five Landfalling USA Named Storms Predicted By The LRC

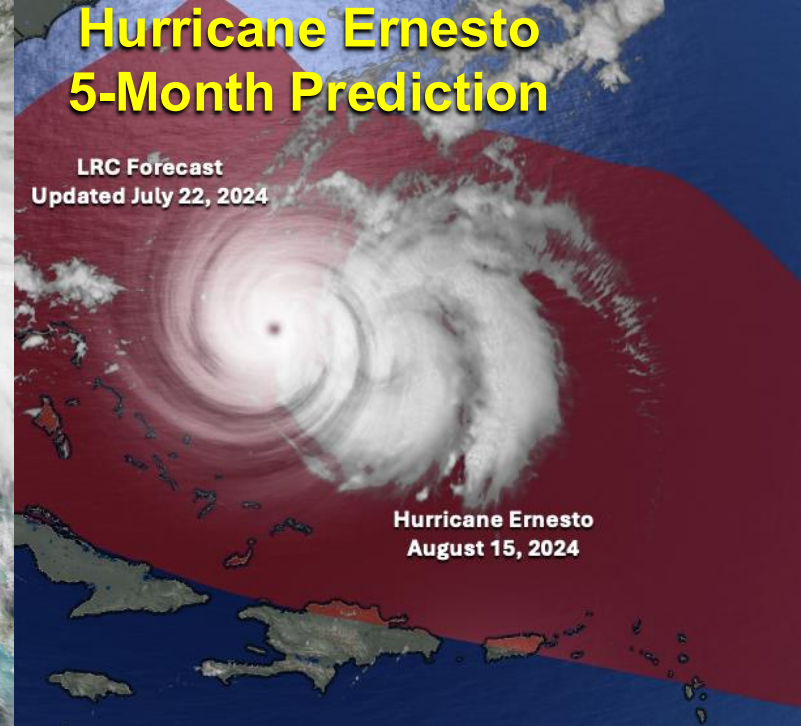
✓ **Major Hurricane Beryl**
4-Month Prediction



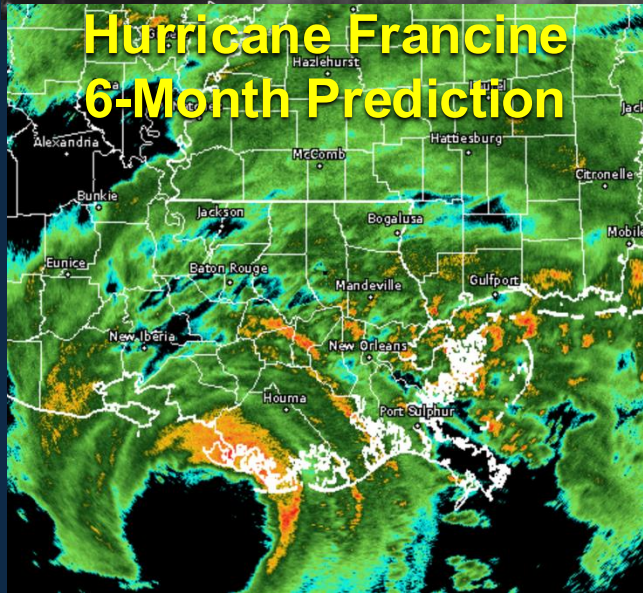
Hurricane Debby
5-Month Prediction



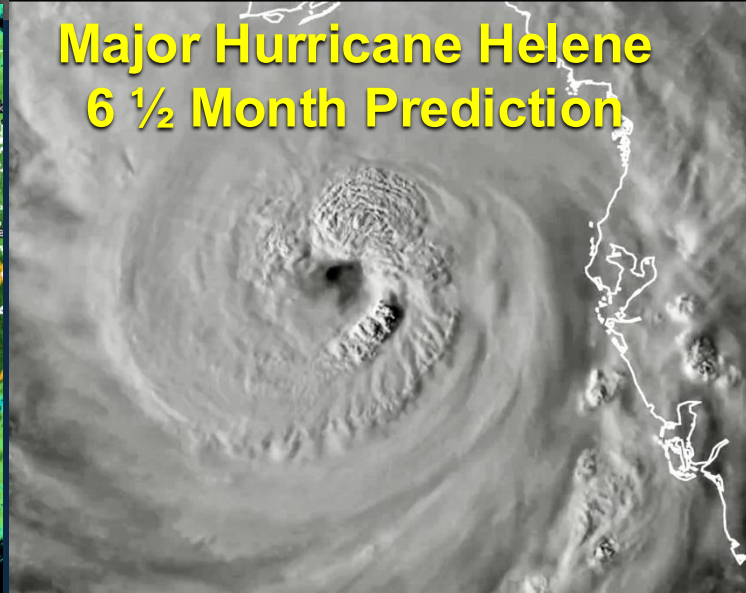
Hurricane Ernesto
5-Month Prediction



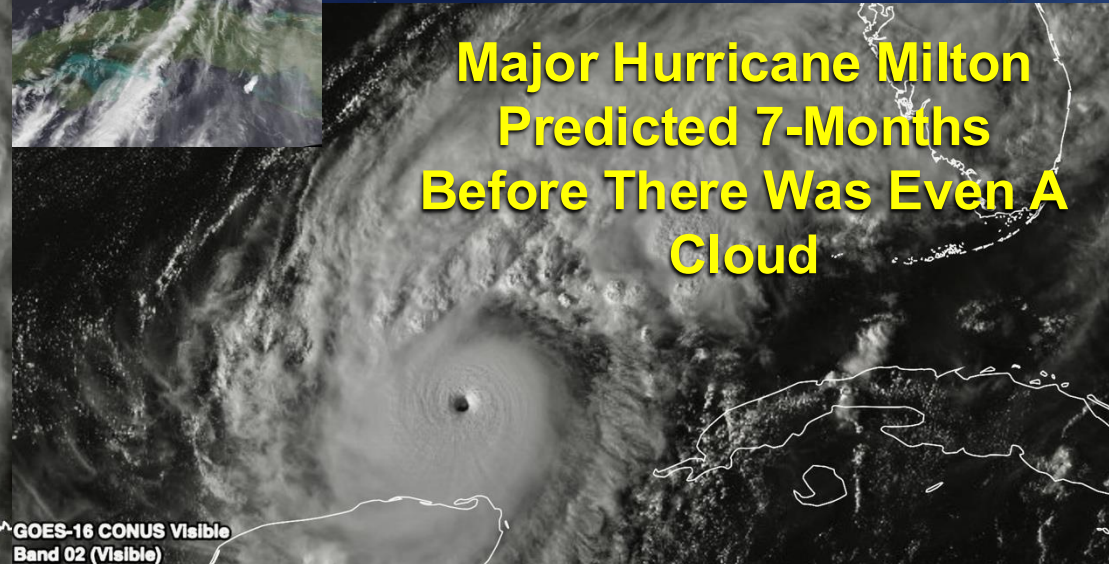
Hurricane Francine
6-Month Prediction



Major Hurricane Helene
6 ½ Month Prediction



Major Hurricane Milton
Predicted 7-Months
Before There Was Even A
Cloud





2024 Hurricane Season Prediction Comparisons

– Tracked By The Barcelona Supercomputing Center

Actual (As of November 11)	ACE 161.6	# of Named Storms 18	Major Hurricanes 5	Hurricanes 11
Weather 20/20	150 (125-175 Predicted 3/3)	17 (14-19)	5 (4-5)	9 (7-10)
Weather Bell	220 (200-240) Predicted 4/30)	28 (25-30)	7 (6-8)	15 (14-16)
Colorado State University	230 (200-260 Updated 8/3)	23 (20-26)	6 (4-7)	12 (10-14)

All Five USA Landfalling Named Storms Predicted By The LRC Method



Accurate Prediction
Inaccurate Prediction
N/A

- When: Within one week of prediction date
- Where: In Forecast Region For That Part of the pattern
- Track/Landfall: Was it close to the predicted track
- Hot Spot: Was it within the hot spot predictions

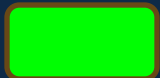
Overall

Beryl



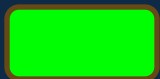
- ☐ 4-Month Prediction for When & Where Beryl Would Form In A Potential Early Hurricane – The Track was a bit to the left of our prediction due to the early formation in late June/July

Debby



- ☐ 5-Month Prediction of The Date Range (August 3-7) & Landfall

Ernesto



- ☐ 4-Weeks Before Ernesto Formed Weather 20/20 Predicted Almost The Exact Spot It Tracked Over In The Atlantic

Francine



- ☐ 6-Month Prediction Of When It would Form and Where It would form, but the track and landfall were west of our prediction

Helene



- ☐ 6 ½ Month Prediction of the biggest disaster of 2024

Milton



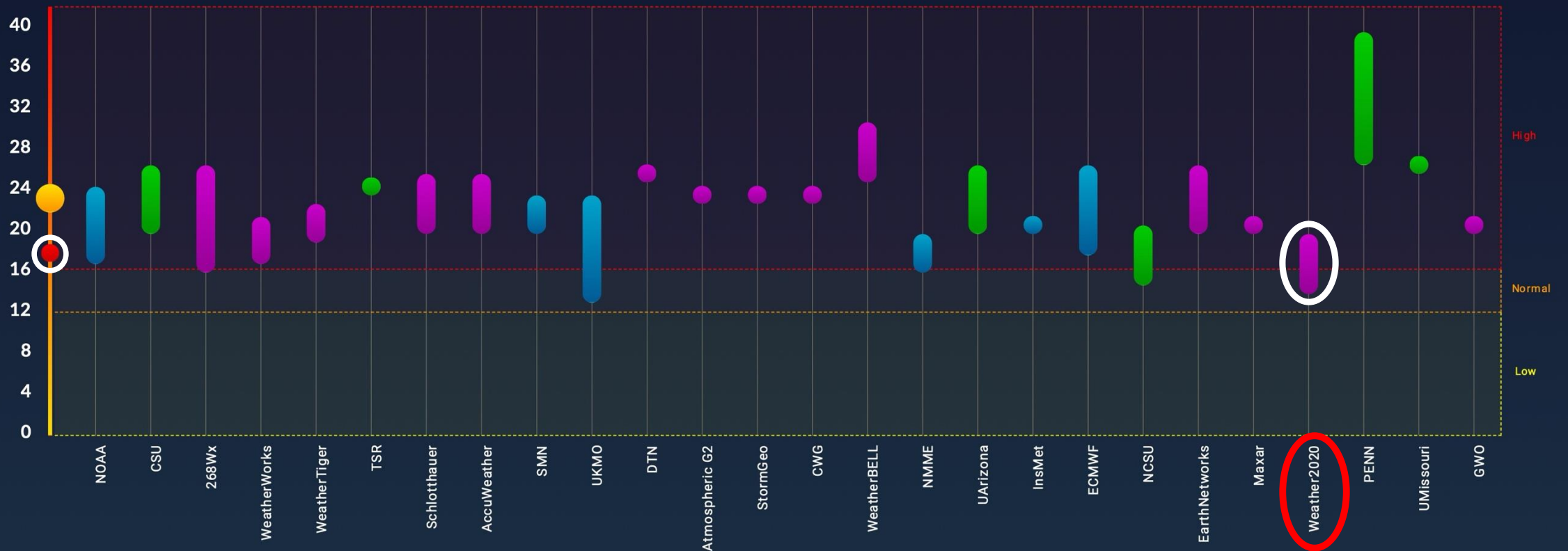
- ☐ 7-Month Prediction of where & when, but the landfall threat on the central west Florida coast was a bit out of our prediction zone

Hurricane Season 2024 – Named Storms Predicted

FORECAST 2024

● SEASON TO DATE ● AVERAGE PREDICTION — UNIVERSITY — PRIVATE ENTITY — GOVERNMENT AGENCY

NAMED STORMS

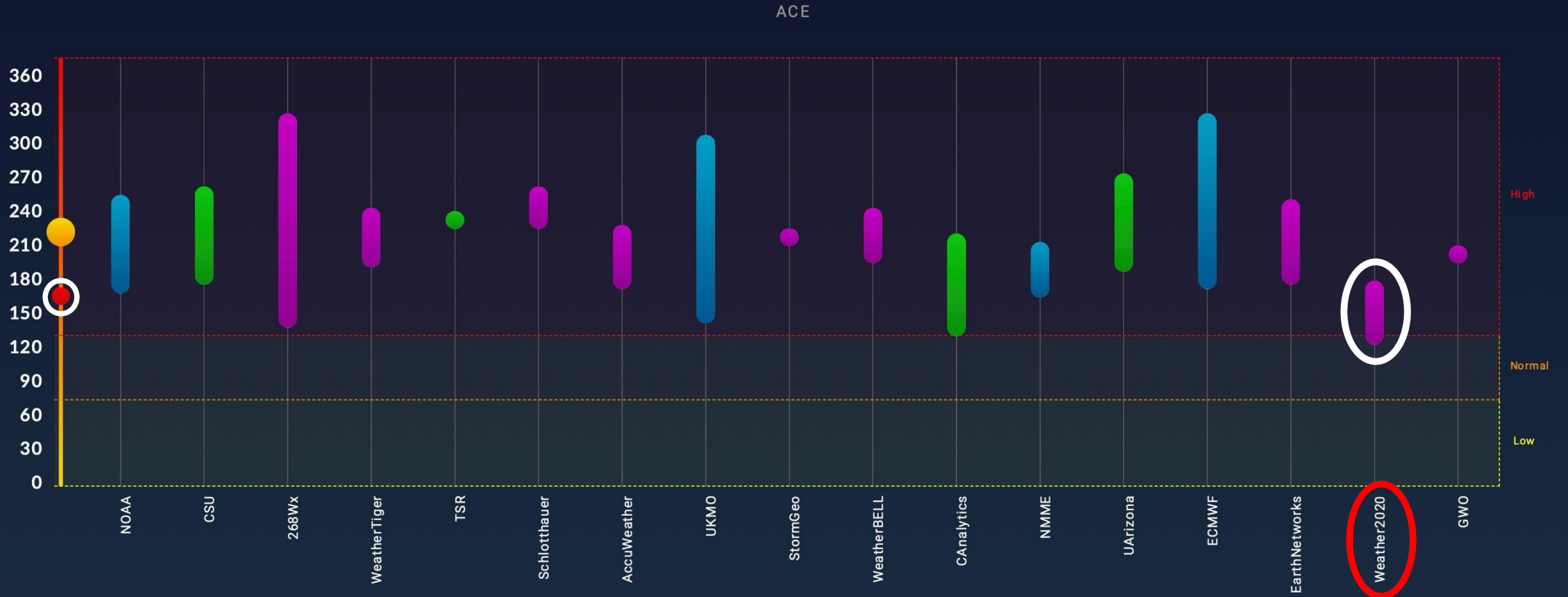


Most recent tropical cyclone forecasts (April-December) from each of the forecasting centers. The three categories (low, normal and high) correspond to the tercile distribution based on 1991-2020 activity, except for ACE where the tercile distributions from 1951 to 2020 are used (NOAA standard).

Hurricane Season 2024 – Accumulated Cyclone Energy (ACE)

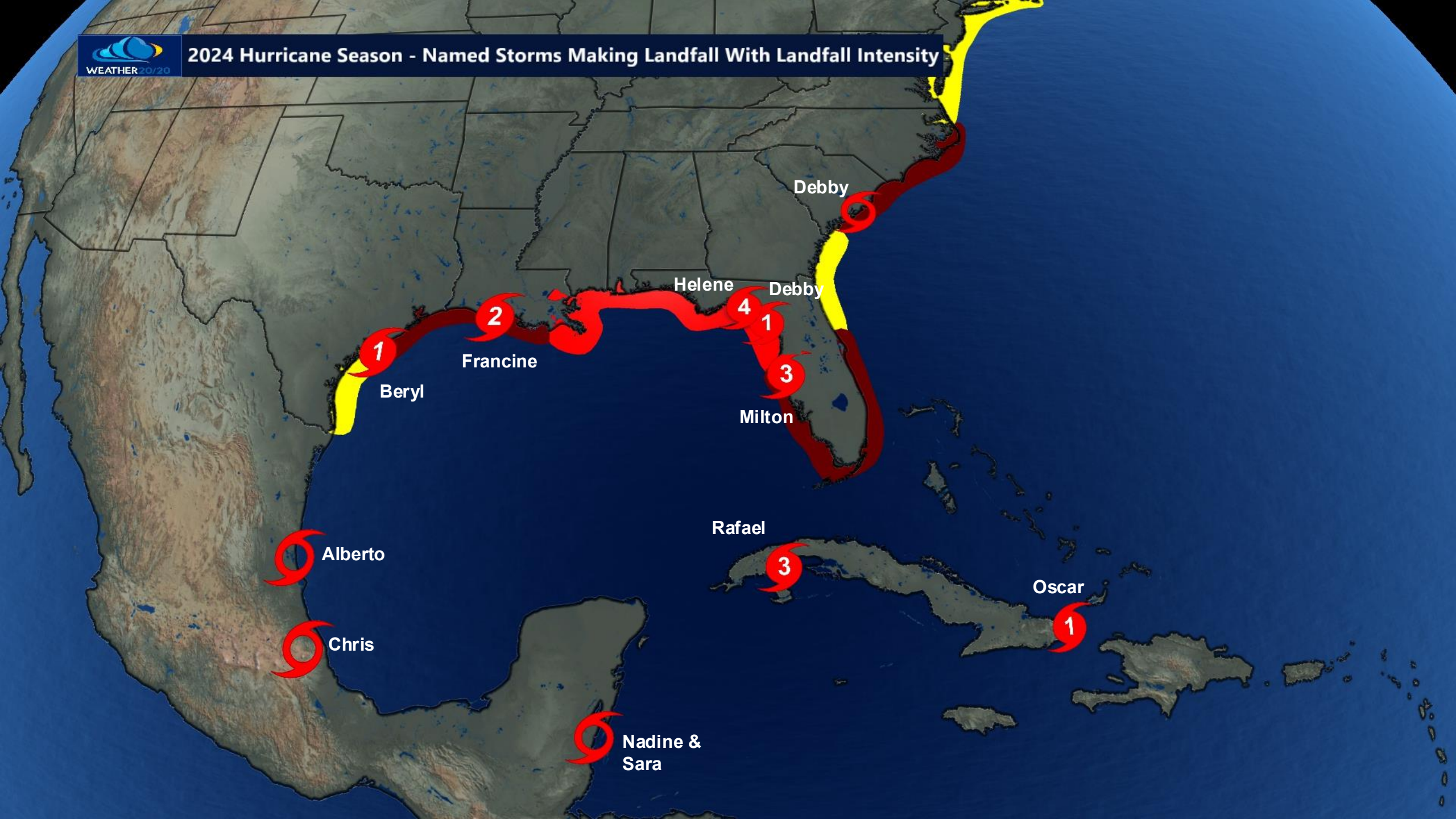
FORECAST 2024

● SEASON TO DATE ● AVERAGE PREDICTION — UNIVERSITY — PRIVATE ENTITY — GOVERNMENT AGENCY



Most recent tropical cyclone forecasts (April-December) from each of the forecasting centers. The three categories (low, normal and high) correspond to the tercile distribution based on 1991-2020 activity, except for ACE where the tercile distributions from 1951 to 2020 are used (NOAA standard).

2024 Hurricane Season - Named Storms Making Landfall With Landfall Intensity



Weather 20/20 Had The Most Accurate ACE Prediction in 2022

2022 HURRICANE SEASON VERIFICATIONS

ENDING NOVEMBER 30, 2022

PARAMETER	Colorado State (Forecast)	Weather 20/20 (Forecast)	30-Year Average	Verification
Named Storms	20	12	14	14
Hurricanes	10	5	7	8
Major Hurricanes	5	2	3	2
ACE (Accumulated Cyclone Energy)	180	75 (50-110)	123	95

- Weather 20/20's forecast to be a below average ACE in 2022 looked like an outlier to many, but it ends up being by far the most accurate prediction that was tracked by the Barcelona Supercomputing Center.
- Nearly 30 other private companies, Universities, and Government Agencies were tracked
- The ACE ended up below average as predicted by Weather 20/20

Weather 20/20 Has Most Accurate Prediction Again In 2023

2023 HURRICANE SEASON VERIFICATIONS

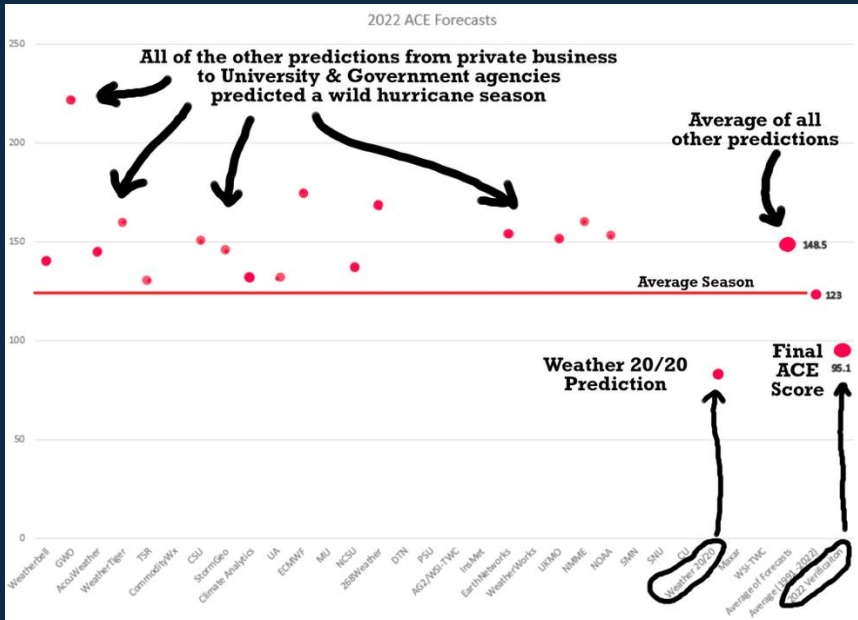
ENDING NOVEMBER 30, 2023

PARAMETER	Colorado State (Forecast)	Weather 20/20 (Forecast)	30-Year Average	Verification
Named Storms	10-16	14-18	14	20
Hurricanes	6	7	7	7
Major Hurricanes	2	3	3	3
ACE (Accumulated Cyclone Energy)	100 (57-153)	130 (120-140)	123	143

- For the second year in a row, Weather 20/20 arguably made the most accurate ACE prediction as tracked by the Barcelona Supercomputing Center (Nearly 30 organizations around the world had their predictions tracked)

2022 Hurricane Season Predicted

Weather 20/20 is applying the LRC weather prediction technique to provide actionable data & information for businesses around the world.



The Barcelona Supercomputing Center in association with Colorado State University plotted and tracked the 2022 Hurricane Season predictions from Universities, Government agencies, and private sector companies from around the world.

ACE (Accumulated Cyclone Energy) is the best way to measure for how active it was during hurricane season.

- Weather 20/20 is the only source tracked that predicted a below average ACE in 2022. The ACE score of 85 predicted was close to the 95.1 ACE for the season
- 2 major hurricanes predicted and only 2 occurred

The weather pattern is cycling according to the Lezak Recurring Cycle (LRC®). Weather 20/20 applied the LRC technology & methodology to make the accurate prediction of the 2022 hurricane season.

- The strongest hurricane of the season, Major Hurricane Disaster Ian, was predicted 6-months in advance.
- Texas & Louisiana were predicted to not have any significant risks of a landfalling named storm in 2022, and there was not one threat.
- 2-4 USA landfalls (1/2 to 1/4 of the number from 2021) were predicted and there were three named storms that made landfall

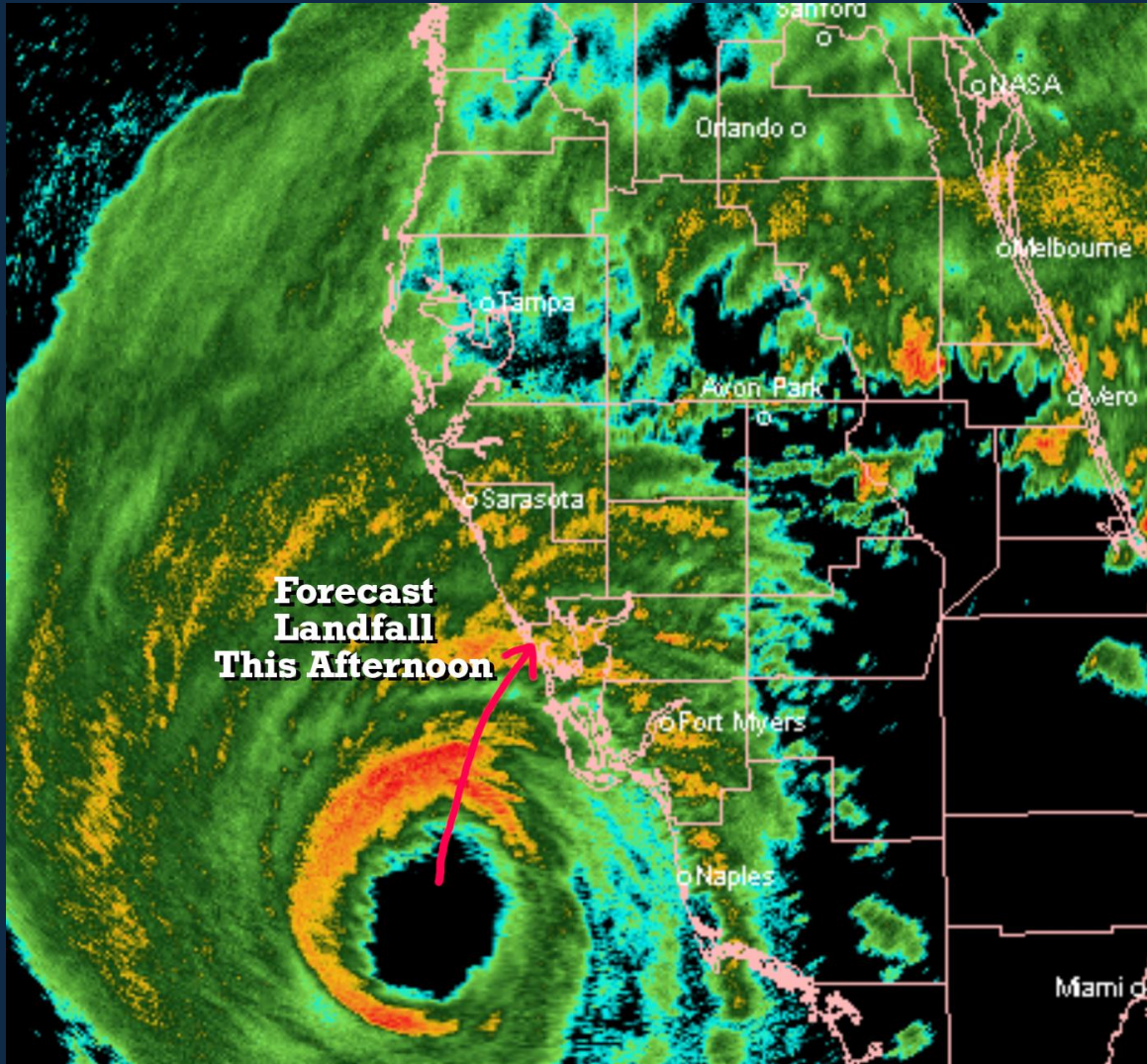


When the weather pattern sets up each fall, according to the LRC®, there are signs of what will happen during the following hurricane season. As the weather pattern set up in the fall of 2021, going into the 2022 season, it suddenly got very quiet in the tropics.

As you can see and hear, in the video attached above, David Bernard discusses how Weather 20/20's ACE prediction was lower than 95% of the companies being tracked, and he asks why?

Weather 20/20 is providing the information, data for access into your team's analytics, and tracking to help businesses generate revenue and in the effort to save lives worldwide from weather disasters!

10-Month Prediction Of Hurricane Ian – A Case Study

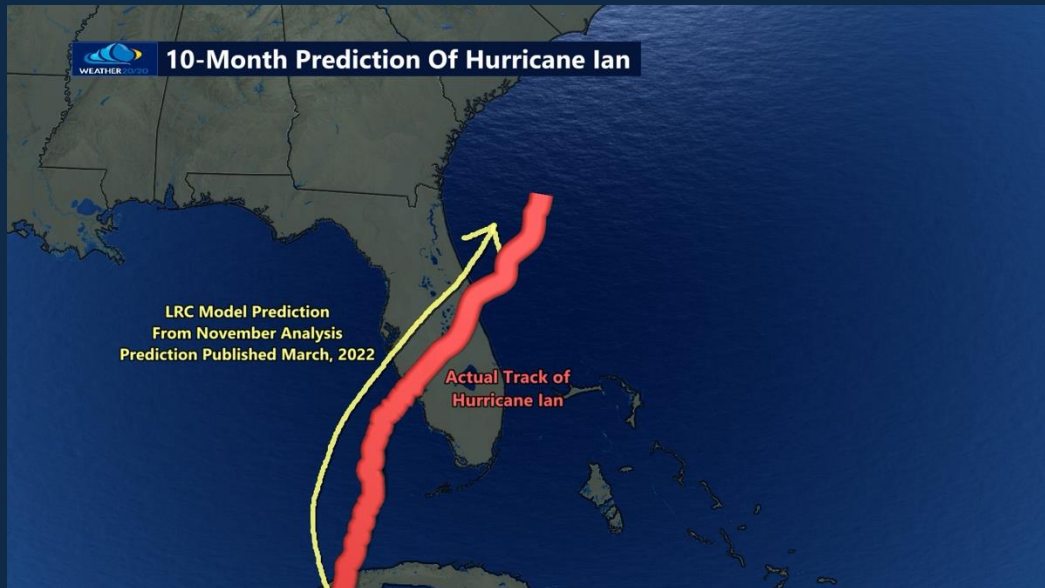


Prediction Of Hurricane Ian Time-Line

- November 5-6, 2021: A storm forms southwest of Fort Myers, FL on November 5. It crosses Florida and intensifies off the northeast Florida coast. Weather 20/20 identifies this storm is one to monitor in the 2022 hurricane season
- Mid-December 2021: It is identified that there is a 63-65-day cycle in the 2021-2022 LRC® season
- January: We predicted that mid-late September is the best chance for a named tropical storm or hurricane to make landfall on the west coast of Florida with the most likely landfall between Fort Myers and Tampa, Florida
- March: Weather 20/20 issues its hurricane season forecast with this target being one of our top two of the season
- March: Weather 20/20 predicts a below average hurricane season with just 2 to 4 landfalls, much less than the 8 from the previous year
- September: Hurricane Ian forms and tracks across the projected prediction from way back in the previous November, or 10-months before

10-Month Prediction of Hurricane Ian

Businesses will be better prepared, and lives will be saved as the LRC® technology/methodology is applied to data analytics and preparation plans.



There are early indications of tropical storms & hurricanes way before hurricane season officially starts (June 1 of each year according to the National Hurricane Center). These “early indicators”, as described by Weather 20/20, LLC, provide clues to what will happen months later. So, hurricane season really starts in the fall of the previous year, goes dormant, and then emerges in the late spring months as water temperatures rise.

10-months before the worst hurricane of 2022, one of these strong signatures (early indicator) developed southwest of the west coast of Florida and tracked to off the northeast coast of Florida.

Weather 20/20 applied the LRC technique and methodology and predicted that there were two main threats to make a USA landfall during the 2022 hurricane season, and this was one of those top two.

Operation Barbeque Relief, one of Weather 20/20s customers was prepared. Here is how Operations Manager Joey Rusek experienced the benefits of knowing that a major disaster was coming with months to prepare:



"We have been working with Weather 20/20 for the past three years & Weather 20/20 had us prepared for Hurricane Ida (Louisiana in 2021), the flooding disaster in Kentucky (2022), and then the incredible prediction of Hurricane Ian this past late September."

The LRC is that accurate, reliable. Weather 20/20 even predicted almost the exact date. We had our mobile field kitchens, supplies, and equipment in place ready to go in as soon as the weather allowed".



Weather 20/20 has been making these tropical storm & hurricane prediction for years. The LRC® showcases the Order In Chaos as published in this Meteorological Technology International magazine publication.

Schedule a demo today to begin mitigating losses and generating revenue for your organization. Here is the link: <https://calendly.com/garyweather/30min>

Case Study – The Accurate 2022 Prediction Of No Threats in TX & LA

How Weather 20/20 Made This Accurate Prediction

Weather 20/20 has developed the patent-pending LRC® methodology & technology to make these accurate predictions of tropical storms, severe weather outbreaks, winter storms, droughts, and floods around the world.

In the 2022 hurricane season, it was identified in the previous fall that it would be a quieter than normal season and that Texas & Louisiana may not even have any risks at all.

The Benefit of Knowing Far In Advance

Weather 20/20 customers are prepared with a plan months before a disaster happens. Supplies are purchased early, and losses are prevented. The teams are prepared far in advance. And, when there is no risk, there are huge benefits in staffing, vacation plans, and supply placement to other regions.

From David Bernard Podcast On August 1, 2022: “you won’t even have a threat”

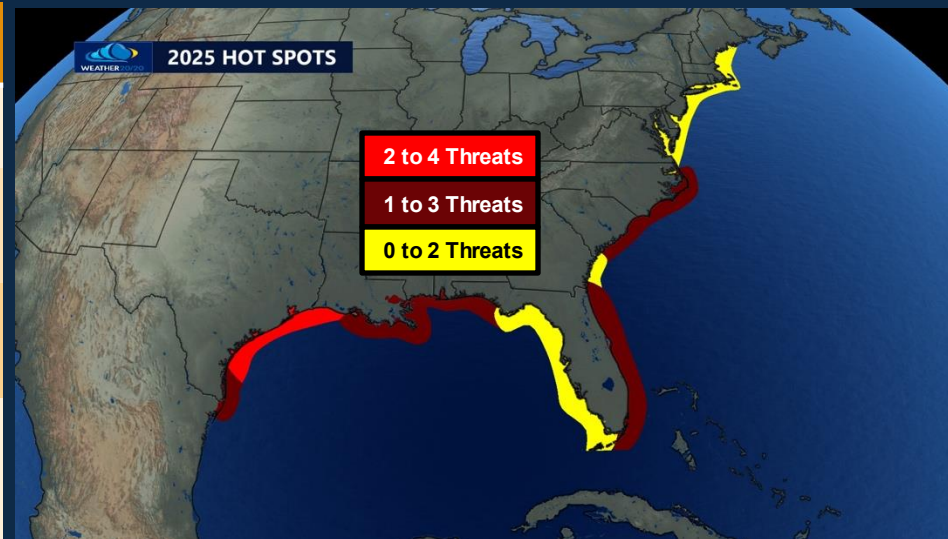


Weather 20/20 Hurricane Season Predictions

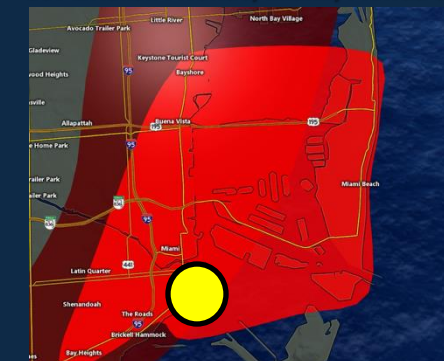
- March 23, 2022: Weather 20/20 issues its hurricane season forecast predicting that Texas & Louisiana will likely not have any serious threat of a landfalling storm the entire season
- There was not even one tropical threat in 2022 even close to Texas & Louisiana
- Three landfalling hurricanes hit the targeted region in the forecast issued in March, over Florida and the southeast coast

2025 Hurricane Risk Outlook - Powered By The LRC

	Weather 20/20 Forecast	Average Seasonal Total
# of Named Storms	20 (17-23)	14
# of Hurricanes	12 (9-14)	7
# of Major Hurricanes	5 (4-6)	3
ACE (Accumulated Cyclone Energy)	180 (155-205)	123



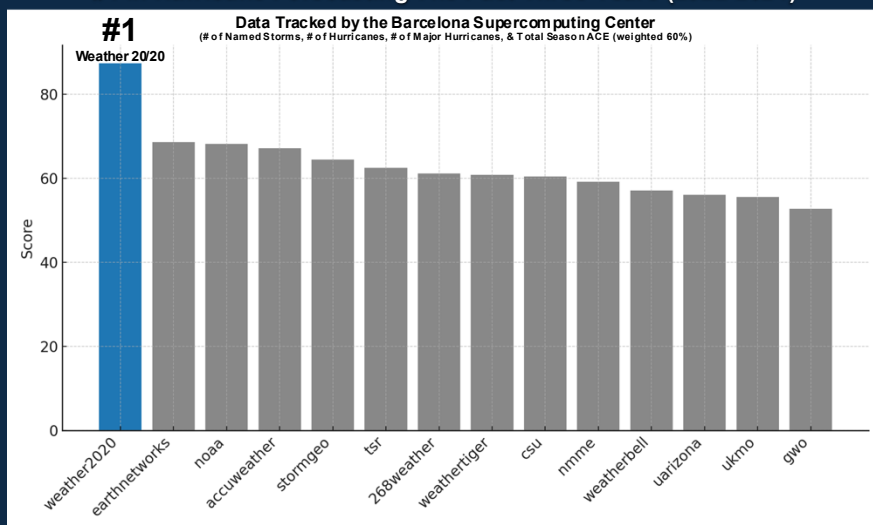
801 Brickell Avenue, Miami, Florida 33131



(Based on Weather 20/20's LRC-Powered Forecast Model)

- This property lies within a 1-3 landfall threat zone for the 2025 Hurricane Season
- A high confidence risk window is forecast between September 6-20, associated with a recurring pattern segment that produced Hurricane Oscar (Cycle 1)
- These threats are not based on historical analogs – they are tied to this year's unique atmospheric pattern, already cycling back
- Weather 20/20s proprietary model forecasts storm return winds 40-100+ days in advance, helping facility teams prepare before traditional models even identify a system
- Use this information to prioritize:
 - Maintenance timelines
 - Emergency planning drills
 - Staff & vendor readiness
 - Insurance and service contracts tied to seasonal exposure
- Weather 20/20 is the #1 ranked hurricane season forecaster (2022-2024), as independently verified by the Barcelona Supercomputing Center
- To request a property-level seasonal forecast, multi-building dashboard access and consultation, contact us at:
 - Bryce@Weather2020.com – Weather2020.com

#1 In Hurricane Forecasting The Past Three Years (2022-2024)



September 6-20 Risk: High Confidence Oscar Analog

