

Updated: 1:45 PM CT, Tuesday, September 14, 2021

- **As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.**

Trigger Thresholds for Houston Pilots Boarding Station:

Trigger met at:	Sustained winds 39+ MPH	Consistent Waves of 6 Feet+	Expected time when trigger will end + hours remaining
Victor	N/A	N/A	N/A
Whiskey	N/A	N/A	N/A
X-Ray	N/A	N/A	N/A
Yankee	N/A	N/A	N/A
Zulu	N/A	IN EFFECT	TUE 9/14/21 @ 8 PM CT

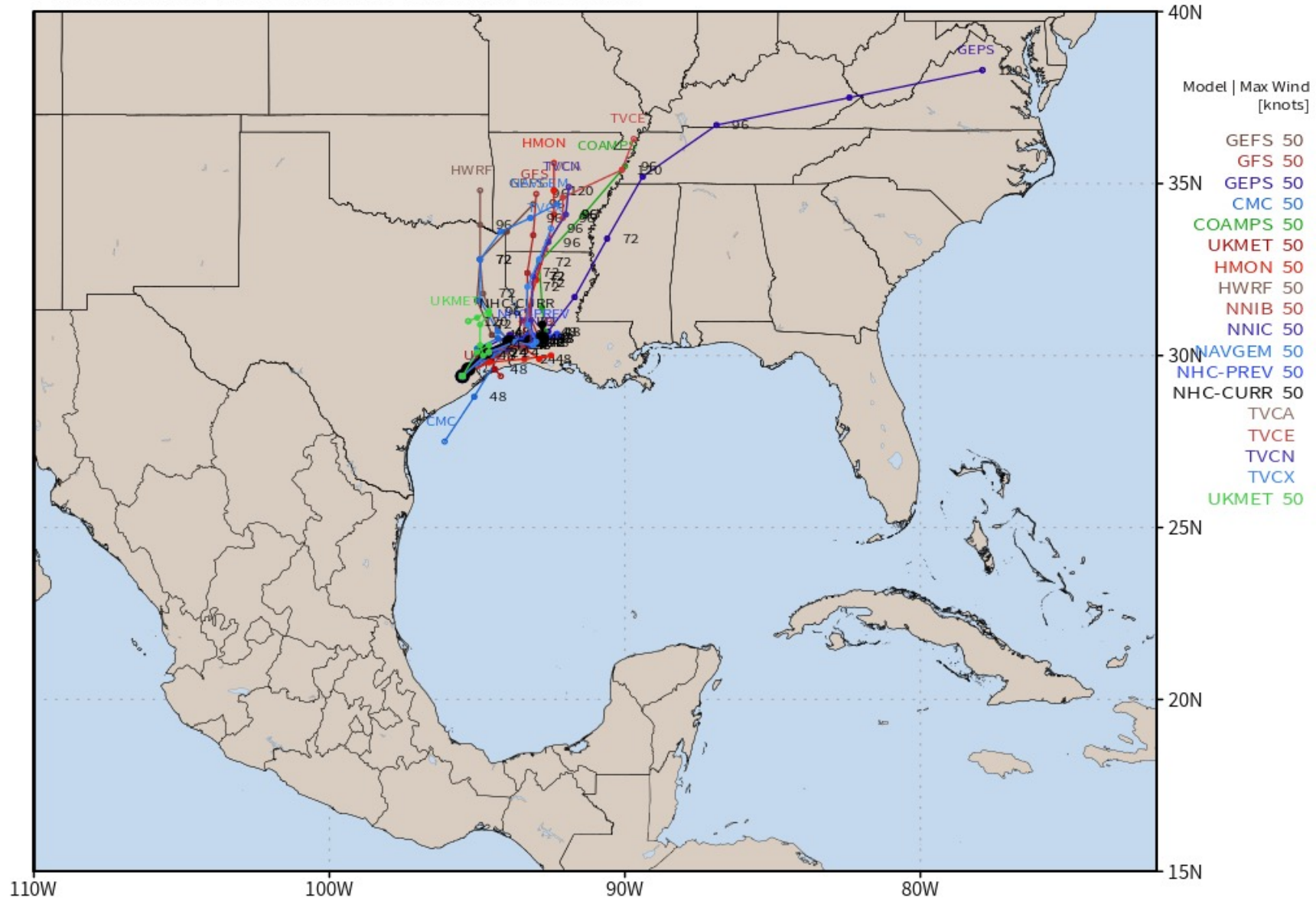
Port Condition	Definition Of Triggers	Trigger Reached
Victor	Hurricane entering or developing in the Gulf of Mexico	NO
Whiskey	72 hrs. prior to predicted sustained winds 39+ MPH	NO
X-Ray	48 hrs. prior to predicted sustained winds of 39+ MPH OR 6' wave height	YES
Yankee	24 hrs. prior to predicted sustained winds of 39+ MPH OR 6' wave height	YES
Zulu	12 hrs. prior to predicted sustained winds of 39+ MPH OR 6' wave height	YES

• We remain in Zulu due to ongoing wave heights over 6 feet, but tropical storm force winds have passed. The most recent buoy observation showed wave heights lingering near at least 9 feet close to the boarding station and latest indications are the waves can remain above 6 feet through at least 4PM CT and near 6 feet through at least 7PM. Given this, we are going to stick with our 8PM call to end the trigger Zulu with higher confidence of wave heights consistently below 6 feet at that time.

Tropical Update:

TS Nicholas Tracks

AL14 NICHOLAS Guidance valid: 2021091412



Note: This map includes model data from 6 or 12 hours prior. Consult NHC Official Forecasts. Model guidance only expert interpretation required. Source: <https://weathermodels.com>

- Nicholas made landfall at 12:30AM CT as a Hurricane (max winds were 75 MPH) on the eastern part of the Matagorda Peninsula. The system has since been downgraded back to a Tropical Storm category with maximum winds sustained at 45 MPH. Nicholas should weaken to a tropical depression later today.
- Both wave heights and winds are anticipated to start lessening their impacts for the HOU / Galveston area deeper into the PM hours.
- The core of the precipitation is working off to the east now, with the main low overhead allowing stronger winds to pass north and south of the Houston area.



Visibility Report

Tuesday, September 14, 2021

HOURLY VISIBILITY BREAKDOWN (in miles)

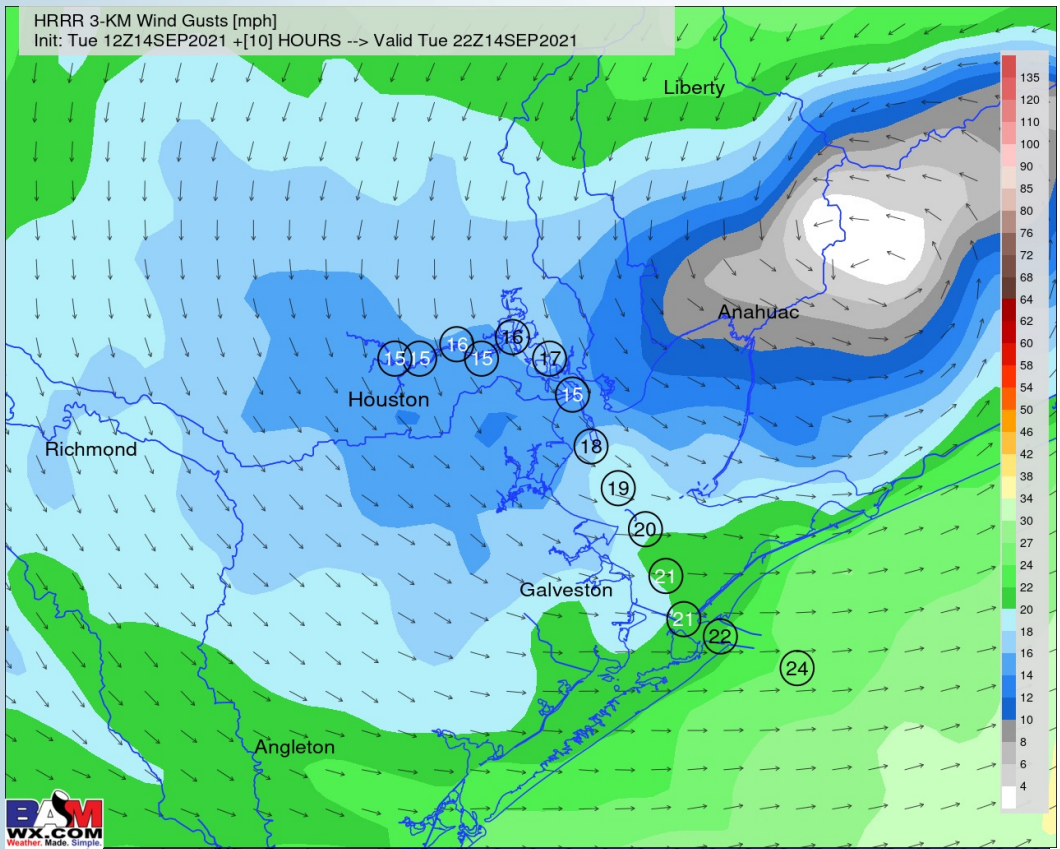
Time	09-14-2021 Tue 12pm	09-14-2021 Tue 1pm	09-14-2021 Tue 2pm	09-14-2021 Tue 3pm	09-14-2021 Tue 4pm	09-14-2021 Tue 5pm	09-14-2021 Tue 6pm	09-14-2021 Tue 7pm	09-14-2021 Tue 8pm	09-14-2021 Tue 9pm	09-14-2021 Tue 10pm	09-14-2021 Tue 11pm	09-15-2021 Wed 12am	09-15-2021 Wed 1am	09-15-2021 Wed 2am	09-15-2021 Wed 3am	09-15-2021 Wed 4am	09-15-2021 Wed 5am	09-15-2021 Wed 6am	09-15-2021 Wed 7am	09-15-2021 Wed 8am	09-15-2021 Wed 9am	09-15-2021 Wed 10am	09-15-2021 Wed 11am	09-15-2021 Wed 12pm	09-15-2021 Wed 1pm	09-15-2021 Wed 2pm	09-15-2021 Wed 3pm	09-15-2021 Wed 4pm	09-15-2021 Wed 5pm	09-15-2021 Wed 6pm	09-15-2021 Wed 7pm	09-15-2021 Wed 8pm	09-15-2021 Wed 9pm	09-15-2021 Wed 10pm	09-15-2021 Wed 11pm	
Houston Pilots I - 610 Bridge	2.914	2.956	2.914	2.958	3.948	3.948	3.948	3.948	4.321	4.931	4.931	5.248	5.565	5.565	5.536	5.936	9.715	10.000	10.000	10.000	6.955	6.937	8.988	9.715	8.988	6.964	6.955	8.988	10.000	8.629	10.000	6.212	7.595	10.000	10.000	10.000	10.000
Houston Pilots M - Kinder 1	2.912	2.956	2.912	2.958	3.948	3.948	3.390	3.948	3.948	4.931	4.931	5.305	5.678	5.678	5.649	6.118	8.695	10.000	10.000	10.000	6.955	6.660	8.695	8.695	8.695	6.964	6.955	8.695	10.000	7.661	10.000	5.996	7.462	9.786	10.000	10.000	10.000
Houston Pilots L - Greens Bayou	2.799	2.799	2.914	2.916	3.948	3.948	3.649	3.948	3.948	4.931	4.931	5.248	5.565	5.565	5.536	6.118	7.954	10.000	10.000	8.988	6.834	6.752	7.573	8.133	8.133	7.312	7.312	8.133	8.988	8.133	8.988	7.312	8.017	8.133	10.000	10.000	10.000
Houston Pilots K - Shell Crude	2.531	2.721	2.792	2.916	3.948	3.948	2.916	3.948	3.948	4.931	4.931	5.305	5.678	5.678	5.693	6.300	7.954	10.000	10.000	8.988	8.033	8.033	8.033	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	10.000	10.000
Houston Pilots J - Lynchburg Ferries	2.643	2.797	2.852	2.914	3.948	3.948	3.657	3.948	3.948	4.931	4.931	5.436	5.436	5.436	6.441	6.441	7.954	10.000	10.000	8.988	8.033	8.033	8.033	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	10.000	10.000
Houston Pilots I - Exxon 3	2.914	2.516	2.516	2.914	3.948	3.948	2.914	3.948	3.948	4.931	4.931	5.436	5.436	5.436	6.441	6.441	7.954	10.000	10.000	8.033	8.033	8.033	8.033	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	10.000	10.000
Houston Pilots H - Morgans Point	2.914	2.516	2.714	2.914	2.914	3.948	2.914	3.948	3.948	4.931	4.931	5.436	5.436	5.436	6.441	6.441	7.954	10.000	10.000	8.033	8.033	8.033	8.611	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	10.000	10.000
Houston Pilots G - 75/76	2.914	2.687	2.914	2.914	3.473	3.948	2.914	3.948	3.948	4.931	4.931	5.436	5.436	5.436	6.441	6.441	7.954	10.000	10.000	8.033	8.033	8.033	8.099	8.988	8.988	8.988	10.000	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	10.000	10.000
Houston Pilots F - 63/64	3.948	2.914	2.914	2.914	3.948	3.948	2.914	3.948	3.948	4.931	4.931	5.436	5.436	5.436	6.441	6.441	7.954	10.000	10.000	8.033	8.033	8.033	8.033	8.988	8.988	8.988	10.000	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	10.000	10.000
Houston Pilots E - 51/52	3.948	2.914	2.914	2.914	3.948	3.948	2.914	3.948	4.902	4.931	4.931	4.931	4.931	4.931	5.936	5.936	8.033	8.033	10.000	8.033	8.033	8.033	8.033	8.988	8.988	8.988	10.000	8.988	8.988	8.988	8.988	8.988	8.988	8.988	10.000	8.988	9.081
Houston Pilots D - 37/38	3.948	3.948	3.948	3.948	3.948	3.948	3.948	3.948	4.902	4.931	4.931	4.931	4.931	4.931	5.936	5.936	8.988	8.782	8.863	8.033	8.033	8.033	8.033	8.988	8.988	8.988	10.000	10.000	10.000	10.000	8.988	8.988	8.988	10.000	10.000	8.988	
Houston Pilots C - 25/26	4.584	3.948	3.948	4.729	4.729	4.902	4.237	4.902	4.902	5.886	4.931	4.931	4.931	4.931	5.936	5.936	8.988	8.988	8.988	8.988	8.988	8.691	8.988	8.988	8.988	8.988	10.000	10.000	10.000	10.000	10.000	8.988	8.988	10.000	10.000	8.988	
Houston Pilots B - 11/12	4.902	3.948	3.948	4.902	4.902	4.902	4.902	4.902	4.902	5.886	4.931	4.931	4.931	5.598	5.936	5.936	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	10.000	10.000	10.000	10.000	10.000	8.988	8.988	10.000	10.000	8.988	
Houston Pilots A - 1 & 2 Bravo	4.902	3.948	4.400	4.902	4.902	4.902	4.902	4.902	4.902	5.886	4.931	4.931	5.384	5.886	5.936	5.936	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	10.000	10.000	10.000	10.000	10.000	8.988	8.988	10.000	10.000	8.988	

Tuesday, September 14th, 2021

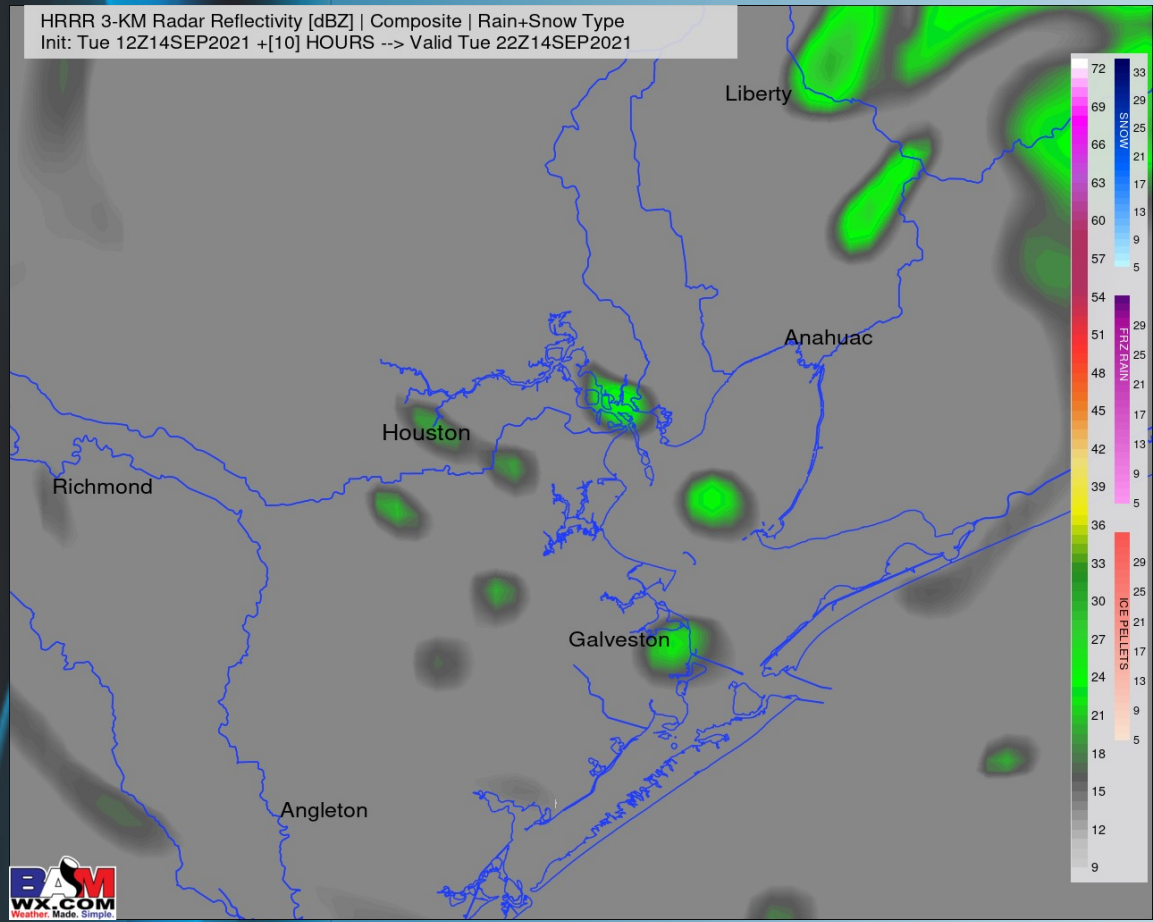
Short-Term Forecast Discussion

- The bulk of precipitation has moved east, but the light showers, mist and windy conditions continue at this hour with the deep tropical airmass in place. We expect that off/on showers will persist through the evening hours with increasing breaks in showers the further into the overnight hours that we go.
- The core of the broad tropical circulation is along and north of the area right now leading to lighter winds for northern stations and inland but continued gusts of ~30-35 MPH at the boarding station. We anticipate the strongest winds to continue to be near the boarding station throughout the rest of the day, but decreasing to 20-30 MPH into the evening persisting through the overnight hours.
- *No fog anticipated for today to tonight, but lower visibility (1-4 miles) will be possible this afternoon and evening due to the showers, wind and mist.*

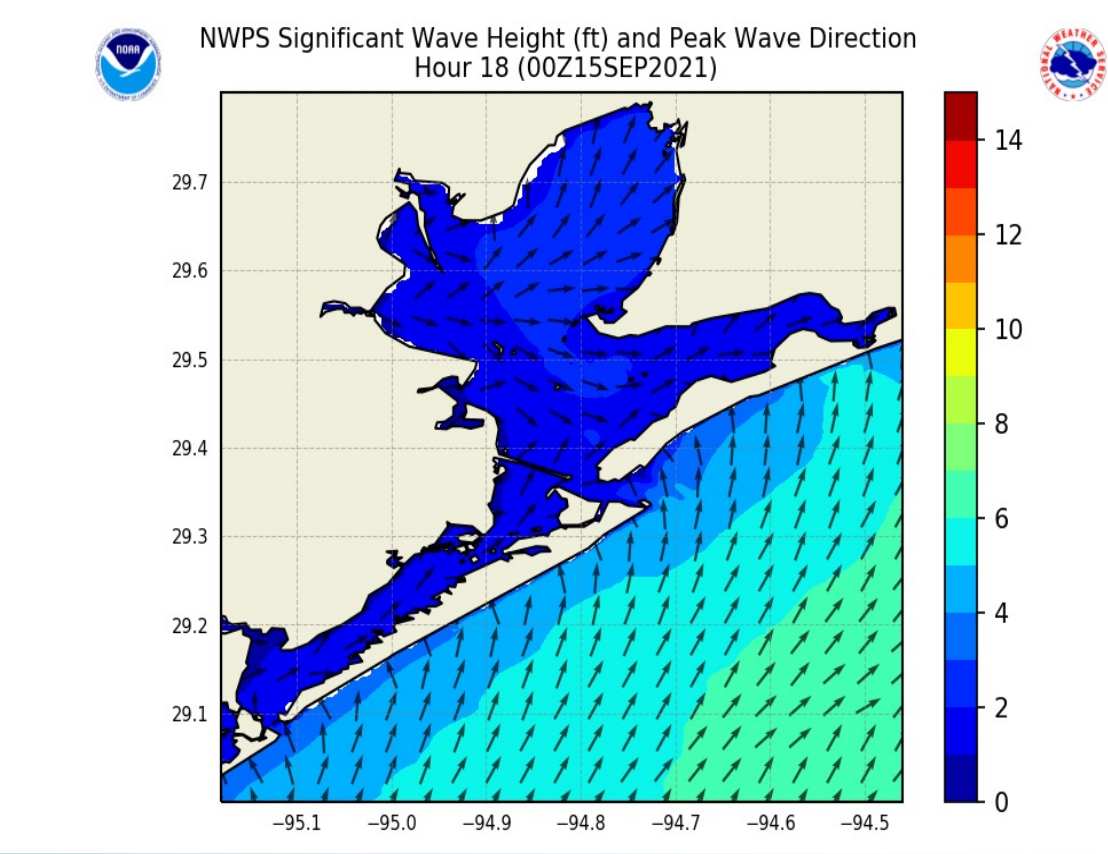
Sustained Winds (5 PM CT)



Simulated Radar Snapshot (5PM CT)



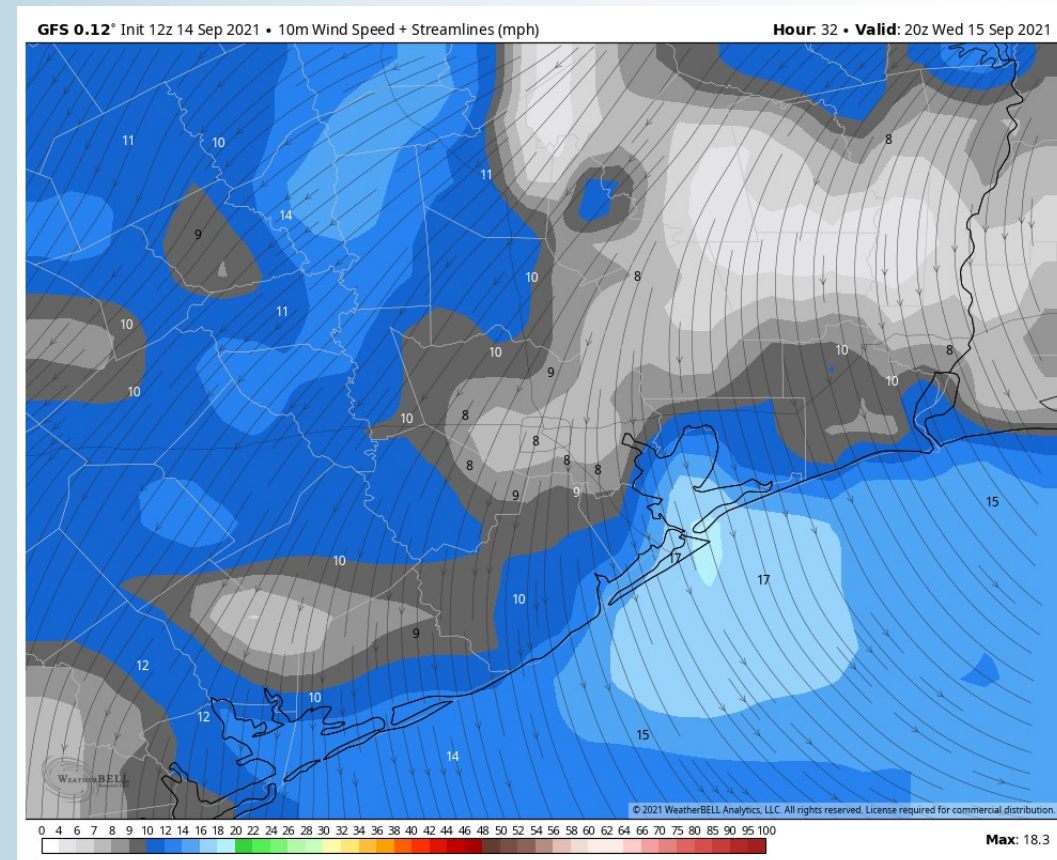
Wave Heights: 8 PM CT



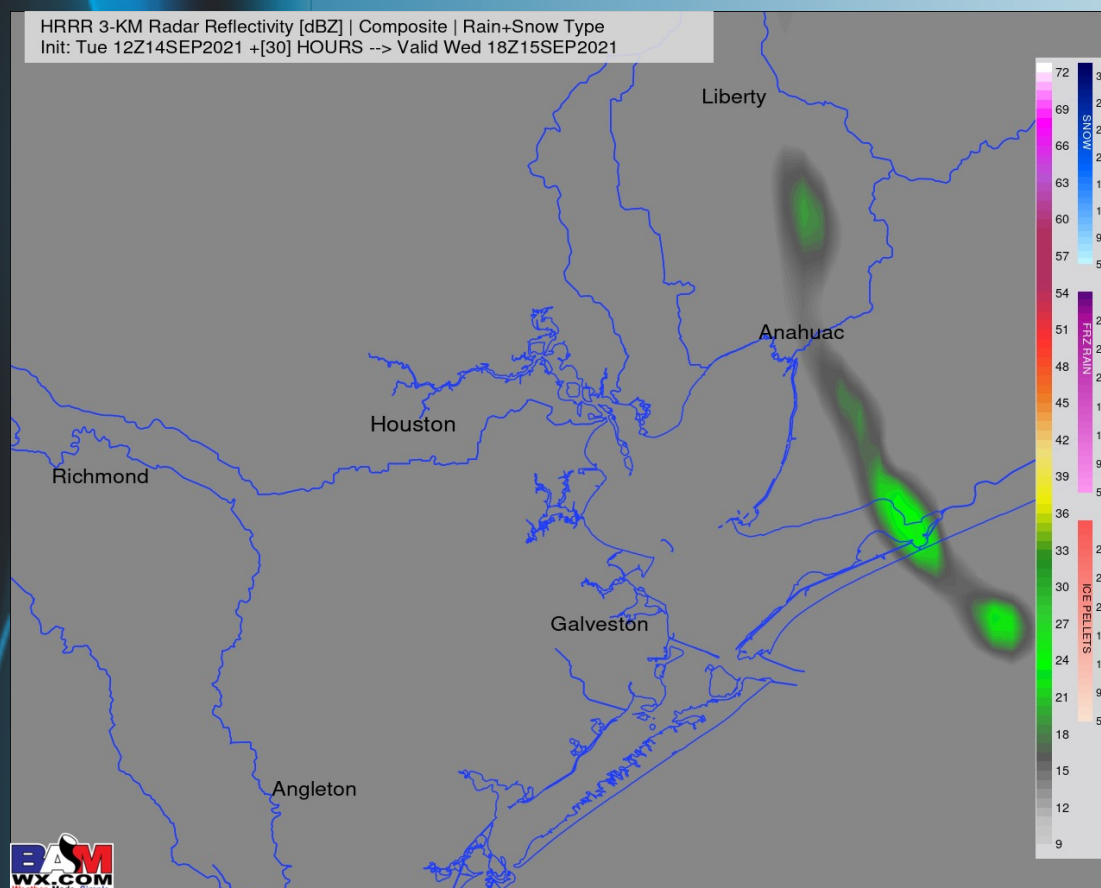
Short-Term Forecast Discussion

- Overall, Wednesday is expected to trend towards a drier day across the HOU metro area towards the Boarding Station with a few isolated light showers throughout the day.
- Winds will remain elevated at this time, expecting to be sustained at West to Northwest at 10-15 MPH, gusting at times up to 20-30 MPH (especially through early afternoon - tapering off deeper into the PM hours we go).
- High temperatures look to return back into the mid 80s on Wednesday, especially further inland towards HOU.
- ***No fog is anticipated for WED.***

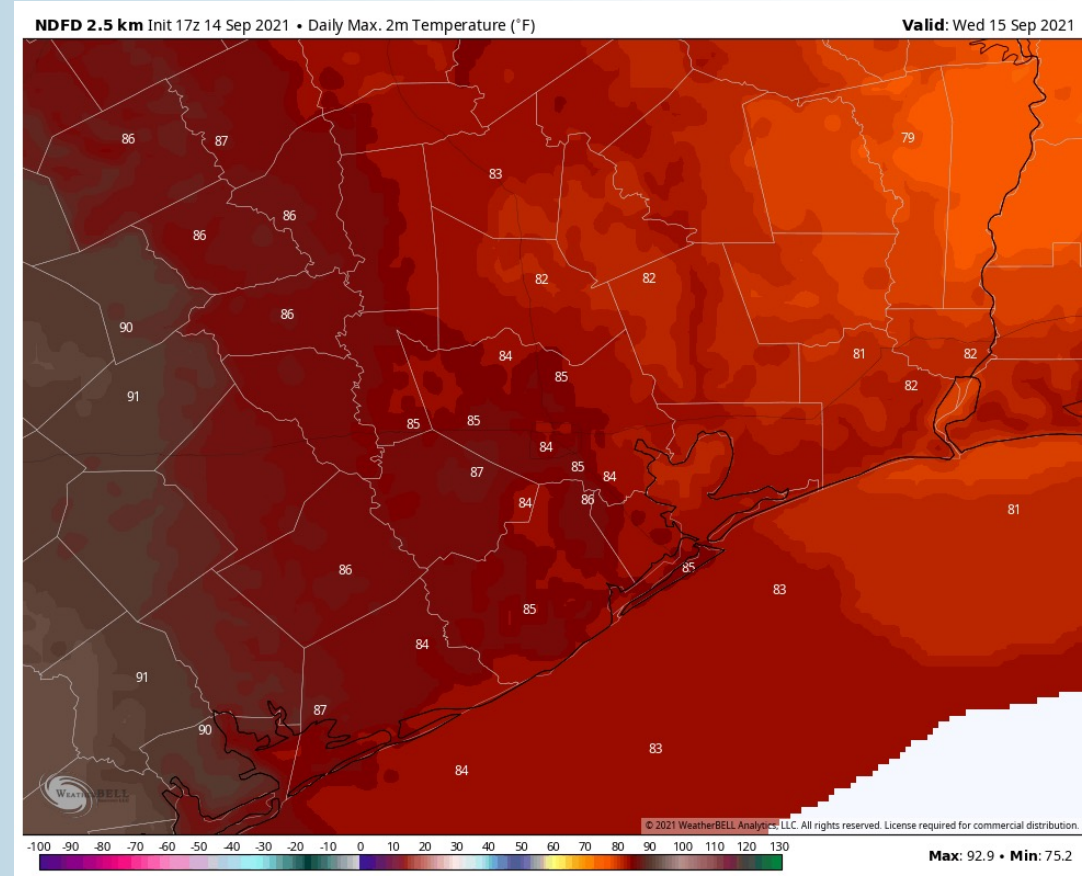
Sustained Winds (3 PM CT)



Simulated Radar Snapshot (1 PM CT)



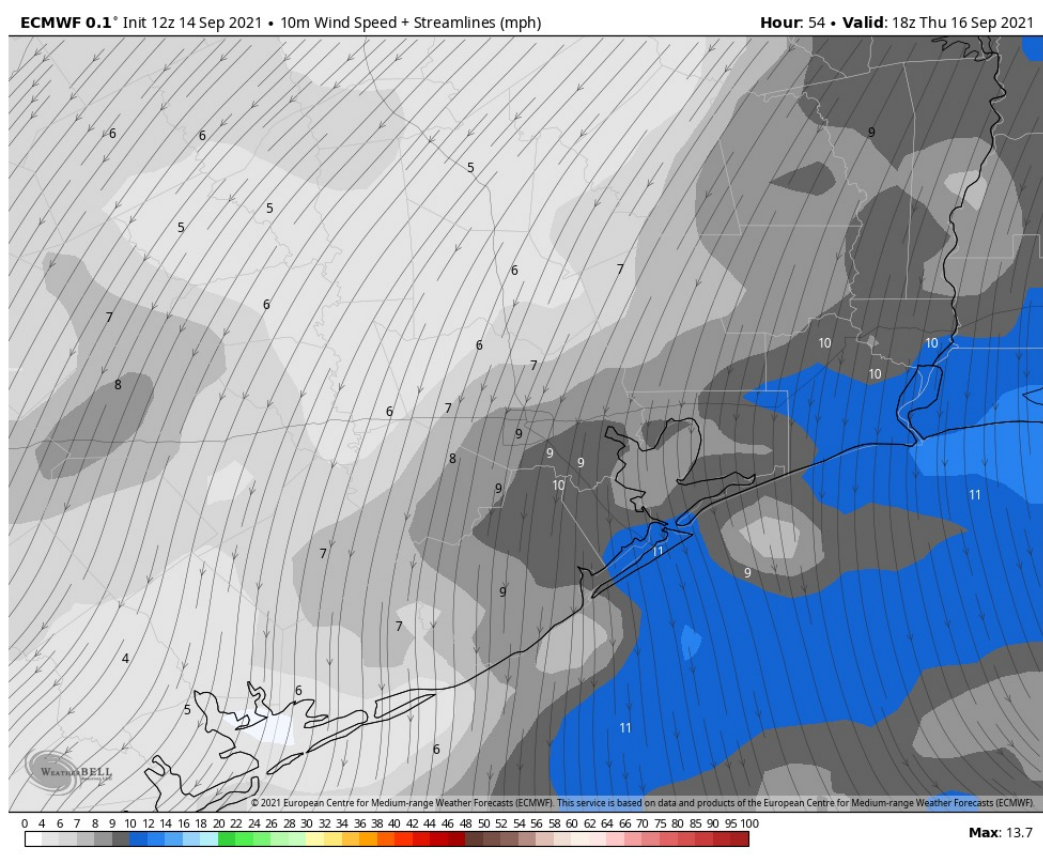
High Temperatures Wednesday



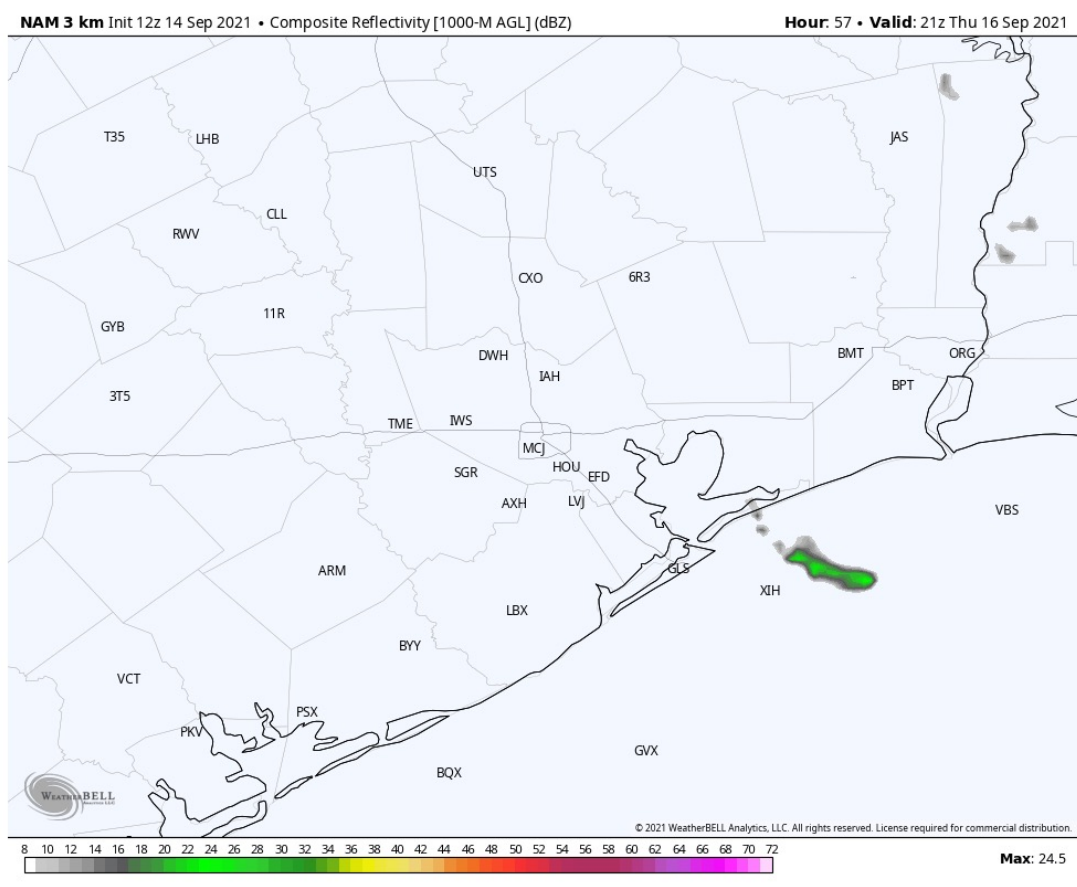
Short-Term Forecast Discussion

- We think Thursday overall is another dry day for HOU / Boarding Station locations. An isolated shower can't be ruled out, but mainly south and east of the forecast area.
- Winds will weaken on Thursday, mainly out of the North to North-Northwest at 5-10 MPH sustained.
- High temperatures look to return back into the mid-to-upper 80s on Thursday, especially further in-land towards HOU.
- *No fog is anticipated for THU.*

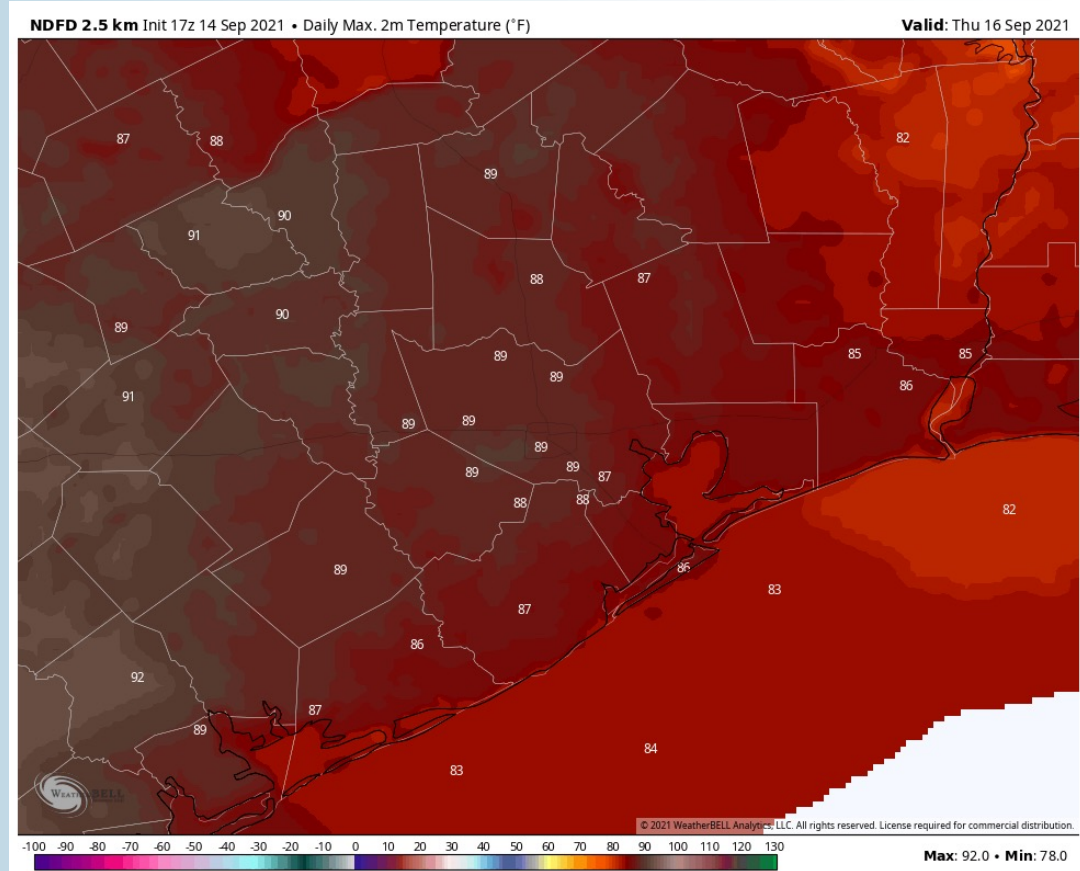
Sustained Winds (12 PM CT)



Simulated Radar Snapshot (2 PM CT)



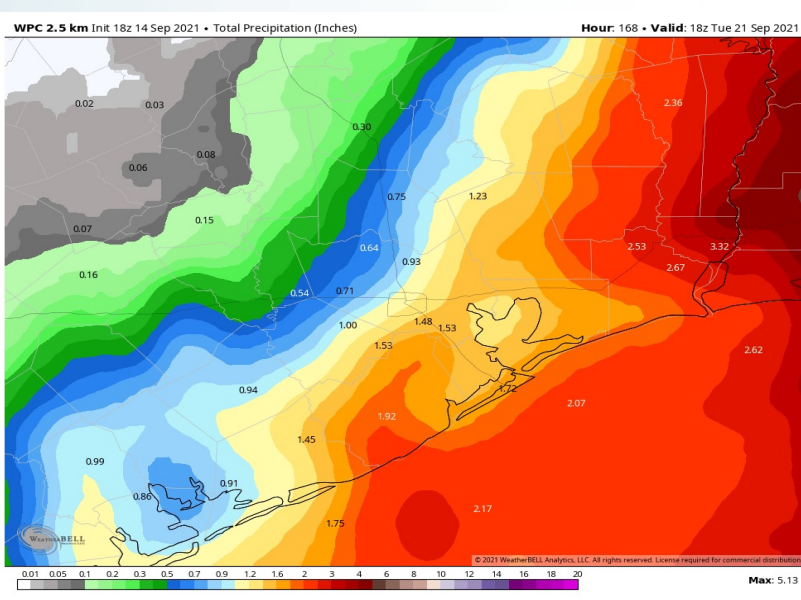
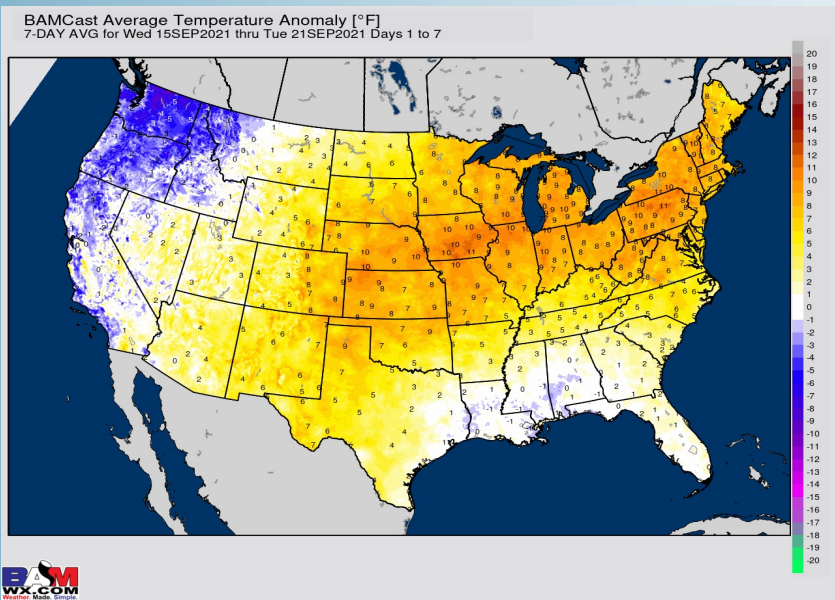
High Temperatures Thursday



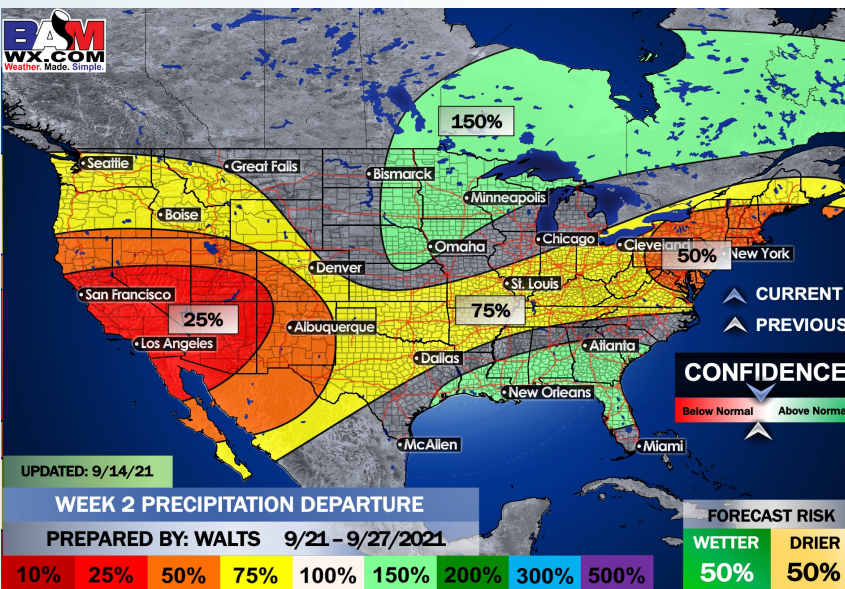
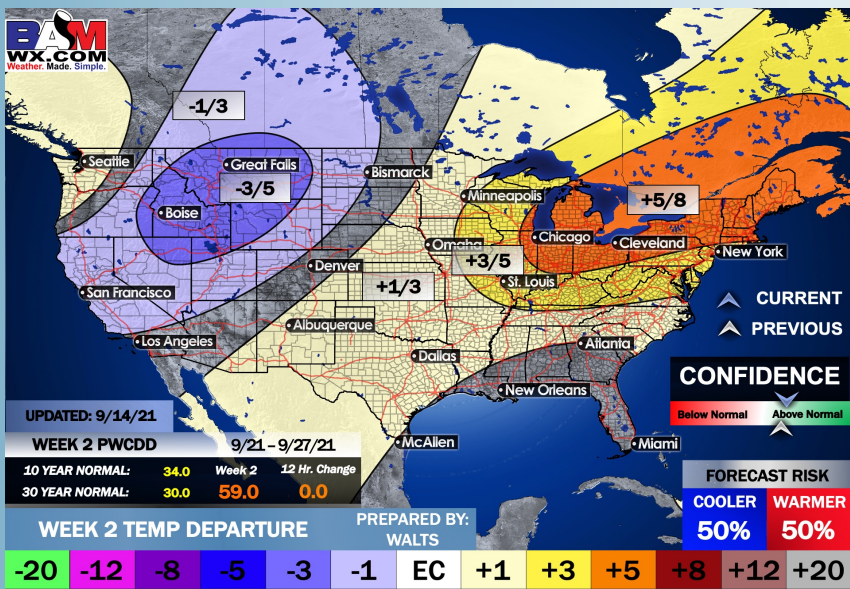
Week 1 Forecast

Long-Range Forecast Discussion

- The main moisture with Nicholas has passed eastward and a lull in rainfall chances will pick up for the middle to latter part of this week before chances start to increase again increase again late this weekend into early next week. Temperatures look to average out near normal overall for the week 1 timeframe.
- The week 2 timeframe should run slightly warmer than normal with slightly wetter than normal conditions. While we don't have any specific target tropical storms, some gulf flow as the ridge of high pressure moves east in week 2 is possible leading to continued moisture risks.
- For week's 3/4, we favor near normal temperatures with the core of the warmth being to the north. Rainfall will likely be contingent on tropical systems but the pattern drivers themselves favor driver risks with a ridge of high pressure to the north. The main concern would be that this pattern sometimes favors Gulf of Mexico tropical systems. This is definitely a big wet risk to the forecast but will need to be monitored on a storm by storm basis.



Week 2 Forecast



Weeks 3/4 Forecast

