

Updated: 1:00 PM CT, Thursday, July 22, 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.**

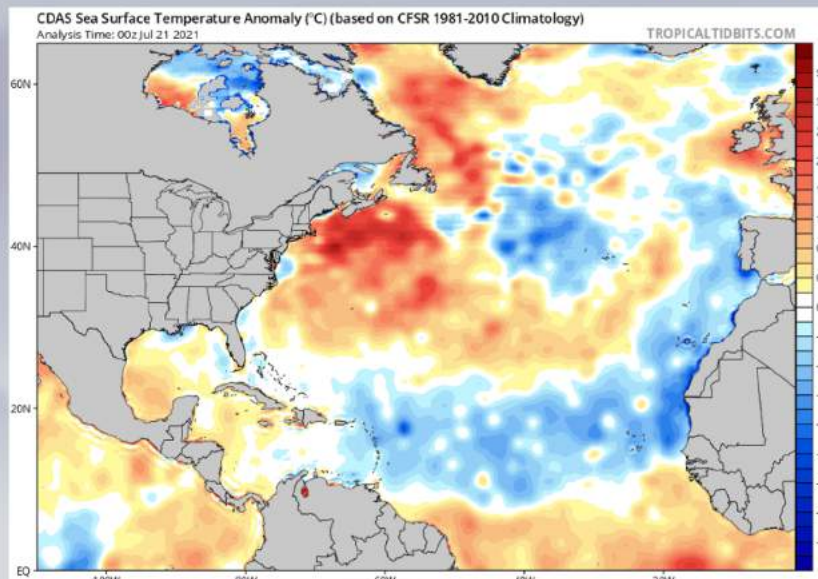
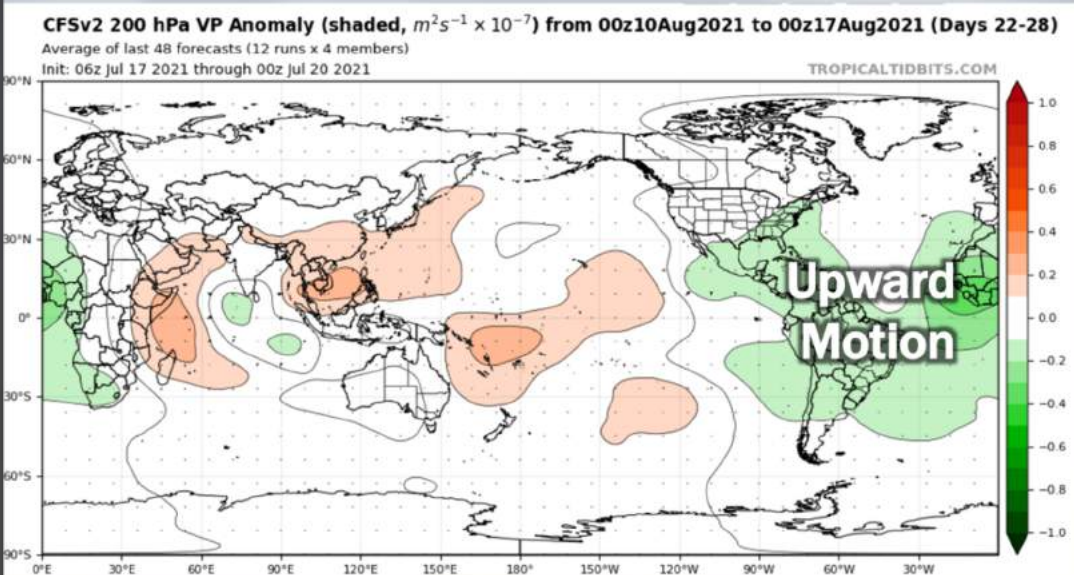
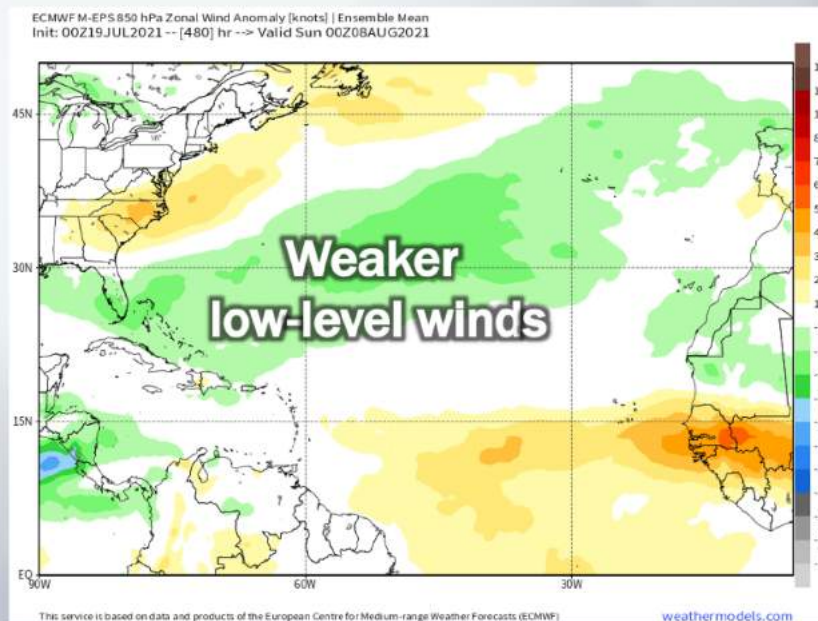
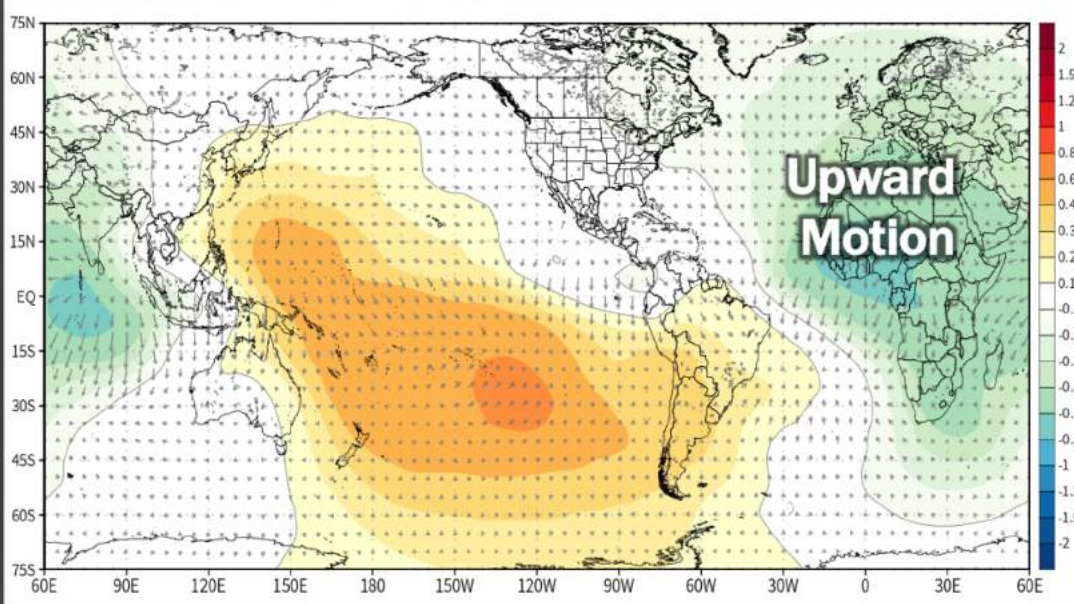
Tropical Update:

UPTICK IN ATLANTIC HURRICANE SEASON FOR AUGUST

PREPARED BY: BRET WALTS

July 21, 2021

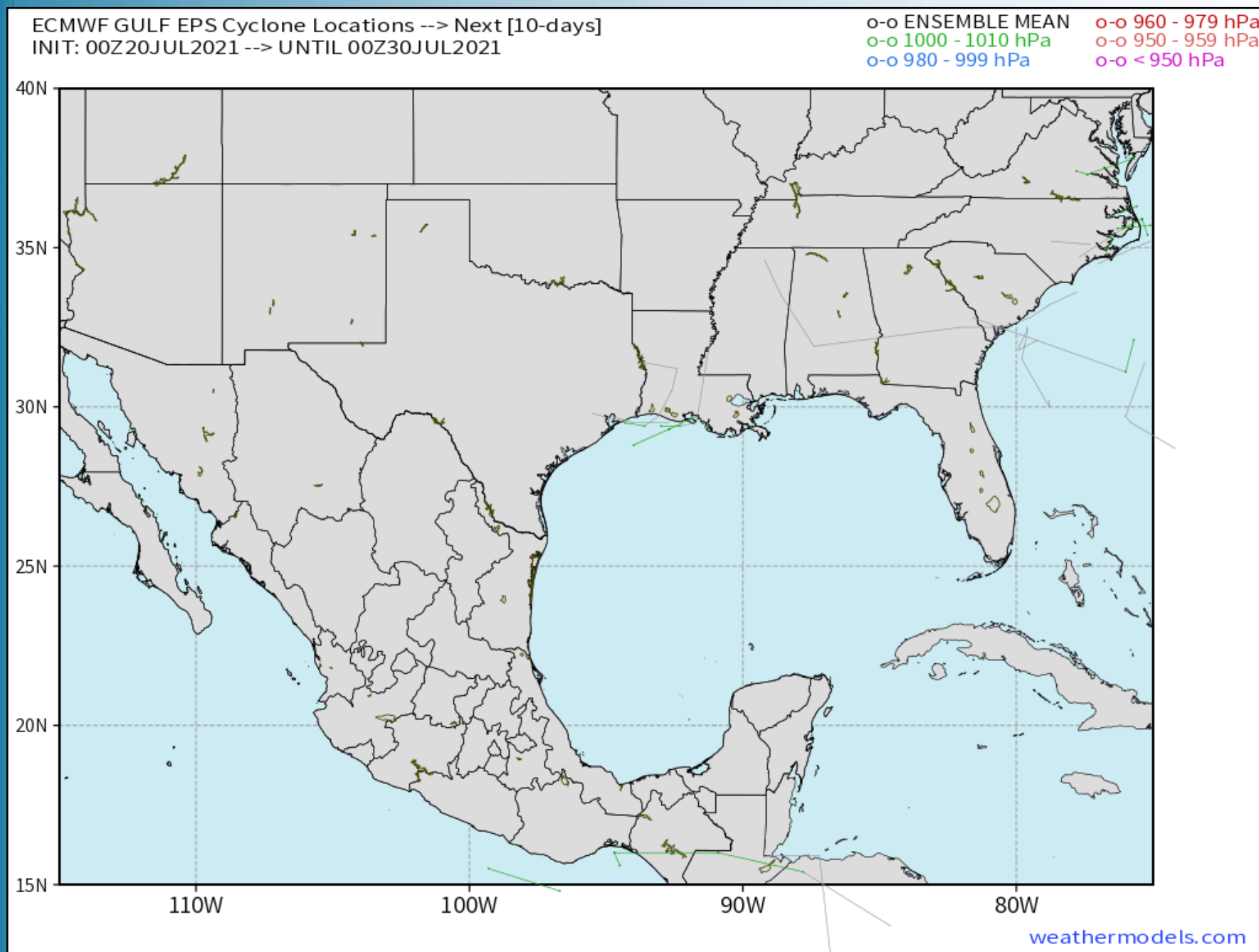
Targeting a potential awakening of the Atlantic Tropical Season



- The active MJO pulse continues to trek into the Pacific in the short-term. Our latest weekly guidance from both the EPS and the CFS suggest this will continue to work east bringing upward motion to the Atlantic and Africa the second to third week of August.
- As this pulse passes an uptick in development is possible across the Atlantic and will favor more disturbances to push off the African coast which increases the odds of tropical development.
- The overall wind anomaly from 20-30N is weaker than normal and the EPS Weekly forecast keeps the low-level winds weak into early-mid August. This would favor an increased threat of tropical storms and hurricanes especially in the Caribbean, Gulf of Mexico and to the US East Coast.
- The main inhibiting factor will be cooler waters in the tropical main development region, but increasing warmth in waters surrounding the Caribbean and US Coast could lead to rapidly developing storms.
- Pending the track of these systems, this can be a big risk for the Ag Belt. It would likely be a drier risk for the Plains with an equal risk of wetter/drier for the E. Ag Belt pending where these disturbances track.

The key takeaway from the notes slide above is that we are in favor of tropical activity picking up mid-late August that does look to hold the potential to work into the Gulf. Obviously way too far out for any sort of details, but some longer range guidance + our favored pattern drivers suggest an uptick in tropical activity for the back half of August.

Tropical Update:



Tropical activity in the Gulf of Mexico is not anticipated in the next 7-10 days.



Visibility Report

Thursday, July 22, 2021

HOURLY VISIBILITY BREAKDOWN (in miles)

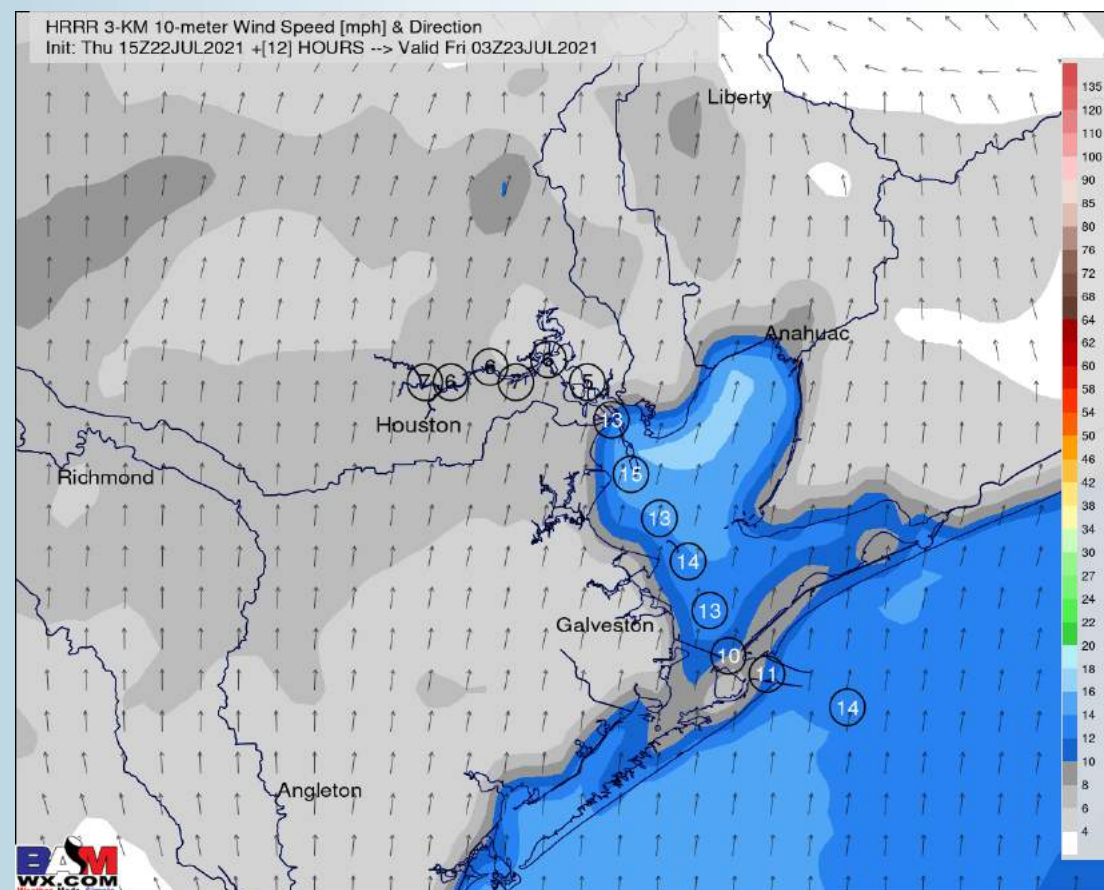
Time	07-22-2021 Thu 11am	07-22-2021 Thu 12pm	07-22-2021 Thu 1pm	07-22-2021 Thu 2pm	07-22-2021 Thu 3pm	07-22-2021 Thu 4pm	07-22-2021 Thu 5pm	07-22-2021 Thu 6pm	07-22-2021 Thu 7pm	07-22-2021 Thu 8pm	07-22-2021 Thu 9pm	07-22-2021 Thu 10pm	07-22-2021 Thu 11pm	07-23-2021 Fri 12am	07-23-2021 Fri 1am	07-23-2021 Fri 2am	07-23-2021 Fri 3am	07-23-2021 Fri 4am	07-23-2021 Fri 5am	07-23-2021 Fri 6am	07-23-2021 Fri 7am	07-23-2021 Fri 8am	07-23-2021 Fri 9am	07-23-2021 Fri 10am	07-23-2021 Fri 11am	07-23-2021 Fri 12pm	07-23-2021 Fri 1pm	07-23-2021 Fri 2pm	07-23-2021 Fri 3pm	07-23-2021 Fri 4pm	07-23-2021 Fri 5pm	07-23-2021 Fri 6pm	07-23-2021 Fri 7pm	07-23-2021 Fri 8pm	07-23-2021 Fri 9pm	07-23-2021 Fri 10pm
Houston Pilots N - 610 Bridge	10.00	10.00	1.466	6.868	1.684	0.592	3.346	4.603	6.065	8.034	8.916	8.593	8.530	8.581	8.292	8.184	7.970	7.780	7.769	7.688	7.643	7.603	8.120	9.020	10.00	10.00	8.226	1.632	2.497	2.298	1.493	2.128	9.538	5.452	8.630	9.281
Houston Pilots M - Kinder 1	10.00	10.00	1.466	3.709	1.684	1.008	3.346	4.603	6.065	8.034	9.050	8.690	8.629	8.558	8.346	8.270	7.970	7.827	7.769	7.665	7.664	7.603	8.026	9.084	10.00	10.00	8.494	1.632	2.497	2.298	1.493	2.402	9.538	5.452	9.409	9.193
Houston Pilots L - Greens Bayou	10.00	10.00	1.466	1.972	1.684	0.666	3.346	5.425	6.413	8.034	9.329	9.013	8.669	8.551	8.460	8.327	7.970	7.832	7.779	7.655	7.651	7.603	8.026	9.152	10.00	10.00	8.494	4.152	2.497	2.298	3.399	5.414	9.538	3.815	9.365	9.148
Houston Pilots K - Shell Crude	10.00	10.00	1.466	1.972	3.410	1.969	4.486	6.869	7.901	8.421	9.456	9.053	8.720	8.558	8.638	8.277	7.970	7.915	7.779	7.665	7.682	7.603	8.026	9.305	10.00	10.00	8.494	3.182	2.497	2.298	3.399	5.414	7.653	3.815	9.409	9.193
Houston Pilots J - Lynchburg Ferries	10.00	10.00	1.466	1.972	7.310	4.054	5.159	8.185	6.413	9.275	9.186	8.984	8.719	8.493	8.460	8.267	8.067	7.886	7.829	7.655	7.643	7.603	8.026	9.386	10.00	8.727	8.494	5.107	2.497	2.298	3.399	5.580	5.608	3.815	9.365	9.070
Houston Pilots I - Exxon 3	10.00	10.00	6.837	1.972	6.007	2.545	5.159	9.533	8.955	10.00	8.278	8.984	8.720	8.493	8.554	8.267	8.098	7.915	7.888	7.676	7.682	7.603	8.026	9.386	10.00	8.727	7.505	3.182	2.497	2.298	5.201	5.580	5.608	3.815	9.495	9.070
Houston Pilots H - Morgans Point	10.00	8.964	6.837	1.972	6.007	2.545	6.573	8.333	8.484	8.480	8.278	9.087	8.720	8.610	8.493	8.277	8.050	7.915	7.844	7.676	7.682	7.613	8.026	9.386	10.00	10.00	7.505	3.182	3.203	3.295	5.201	6.954	4.997	3.815	9.525	9.070
Houston Pilots G - 75/76	8.156	8.775	7.697	1.972	5.936	2.545	7.252	8.333	8.262	8.480	8.612	8.923	8.720	8.552	8.493	8.257	8.042	8.027	7.867	7.674	7.774	7.834	8.090	9.565	10.00	10.00	7.505	3.182	8.056	3.982	6.747	6.954	4.997	3.815	10.00	9.422
Houston Pilots F - 63/64	8.148	8.775	7.697	2.549	5.588	2.545	9.035	8.646	8.262	8.662	9.538	8.970	8.819	8.719	9.119	8.478	8.064	7.993	7.913	7.694	7.940	8.192	8.085	9.802	10.00	10.00	7.505	6.676	8.207	5.682	8.091	9.169	4.997	9.608	10.00	9.404
Houston Pilots E - 51/52	6.266	8.964	6.387	2.549	5.588	2.975	9.538	8.646	8.262	8.662	9.538	8.983	8.960	9.084	9.154	8.542	8.064	8.213	7.913	7.989	8.503	8.235	8.085	9.630	10.00	10.00	7.750	10.00	8.996	7.807	8.991	9.169	9.598	9.608	10.00	9.854
Houston Pilots D - 37/38	3.805	8.540	6.387	3.373	5.588	5.097	9.538	10.00	8.262	8.808	9.538	8.983	8.960	8.813	8.977	8.312	8.064	8.213	7.913	7.989	8.029	8.002	8.085	9.630	10.00	10.00	10.00	10.00	8.996	8.692	8.991	9.169	10.00	10.00	10.00	9.866
Houston Pilots C - 25/26	3.775	7.572	6.387	6.579	5.588	7.684	10.00	10.00	10.00	10.00	9.670	9.504	9.536	9.084	9.154	8.542	8.385	9.329	8.398	9.496	8.814	8.235	8.629	9.630	10.00	10.00	10.00	10.00	10.00	10.00	10.00	9.214	9.169	10.00	10.00	10.00
Houston Pilots B - 11/12	3.775	7.215	6.387	6.579	6.151	6.722	10.00	10.00	10.00	10.00	10.00	10.00	10.00	9.998	9.739	9.239	9.527	9.675	9.501	9.711	9.782	9.696	9.892	9.630	10.00	10.00	10.00	10.00	10.00	10.00	10.00	9.169	10.00	10.00	10.00	10.00
Houston Pilots A - 1 & 2 Bravo	3.775	7.215	8.044	6.579	5.750	5.125	8.529	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	9.962	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	9.815	10.00	10.00	10.00	10.00	10.00	10.00

Short-Term Forecast Discussion

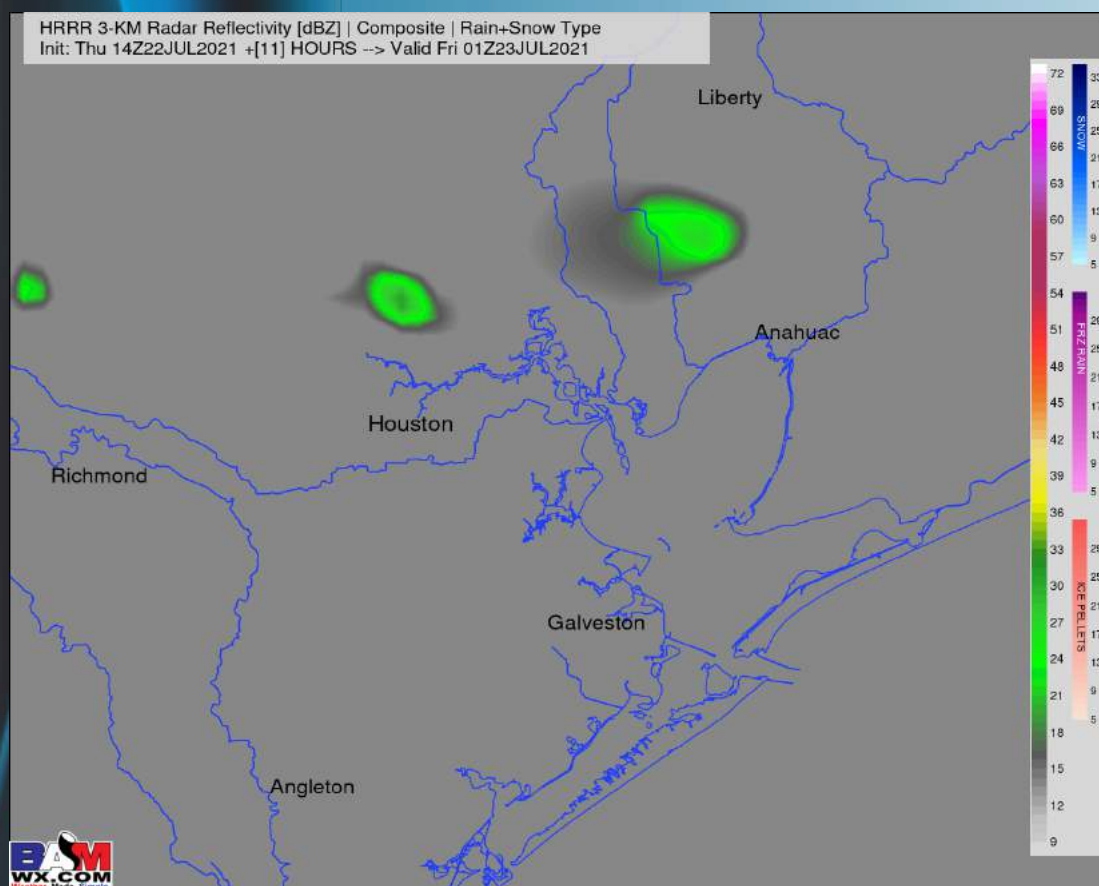
- A few isolated cells will continue to be possible in a hit and miss nature out through the evening hours before things gradually wind down into the overnight hours. Any cells hold the potential of seeing briefly moderate rain in intensity.
- Expecting winds to be coming out of the SSW at 8-13 MPH for the rest of the afternoon and evening hours for the boarding station.
- Low temps fall back into the upper 70s/ lower 80s tonight.
- *No fog is in the forecast for this evening.*

Thursday, July 22nd, 2021

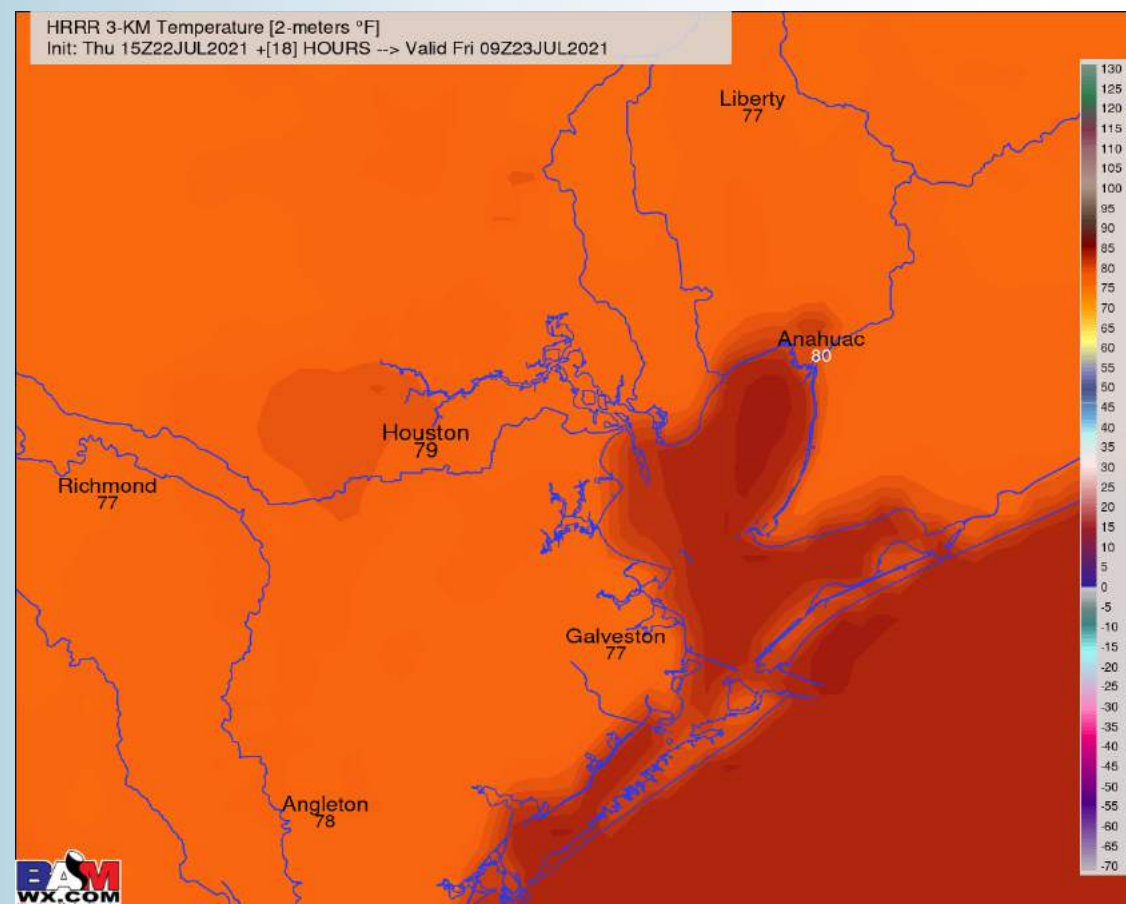
Sustained Winds (10 PM CT)



Simulated Radar Snapshot (8 PM CT)



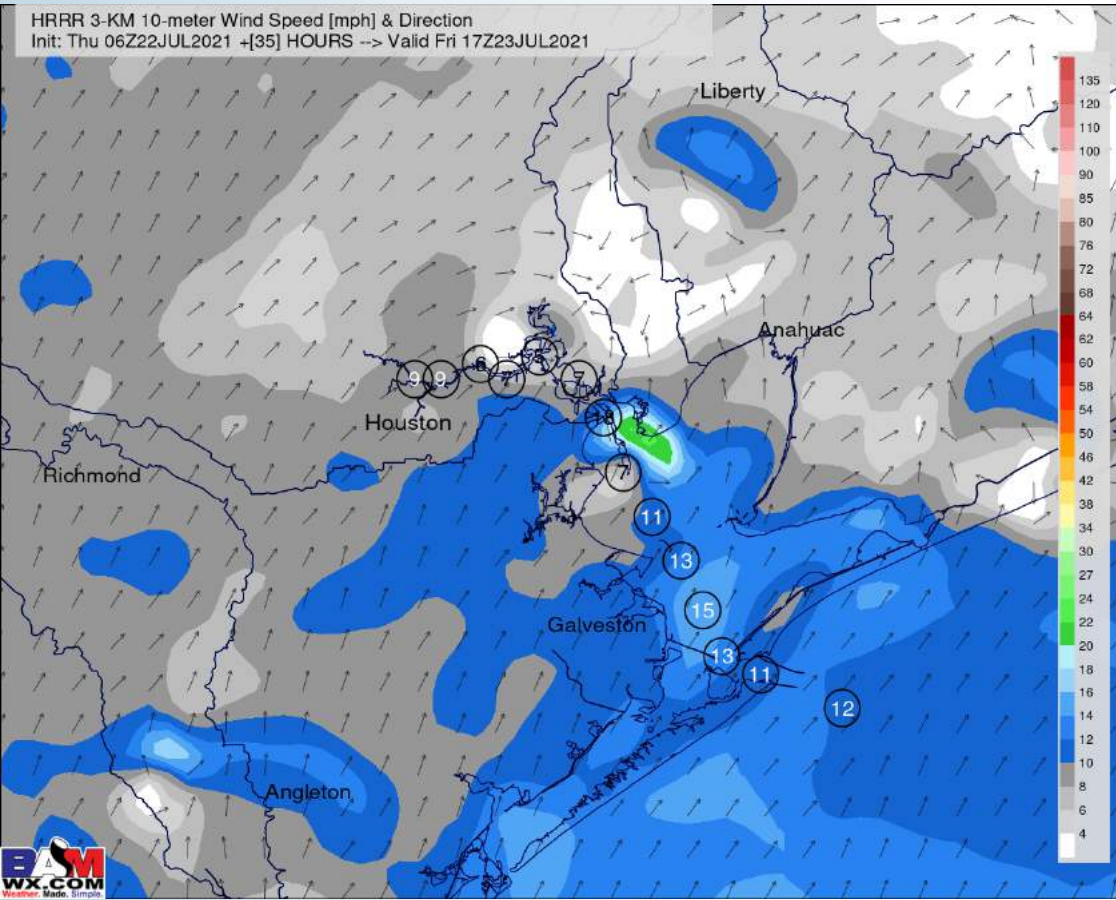
Low Temps This Evening



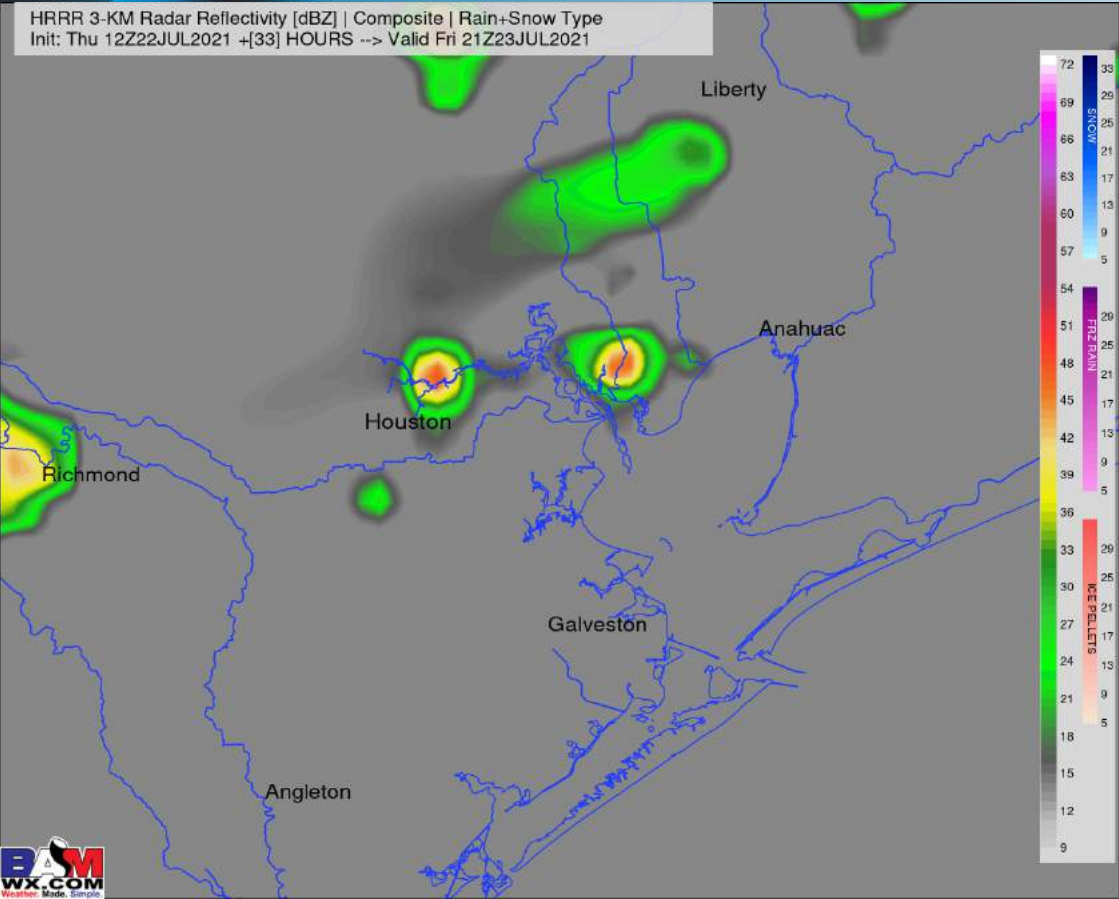
Short-Term Forecast Discussion

- We are still favoring Friday to be a drier day. A very isolated shower or two will be possible from late AM out through mid-PM, but there should be plenty of dry time on Friday.
- Friday will feature winds coming out of the SW at 8-13 MPH with gusts 13-18 MPH possible at the boarding station.
- Expecting Friday to be the warmest day of the past several. Low to mid 90s will be possible.
 - *Fog is not anticipated for our stations Friday.*

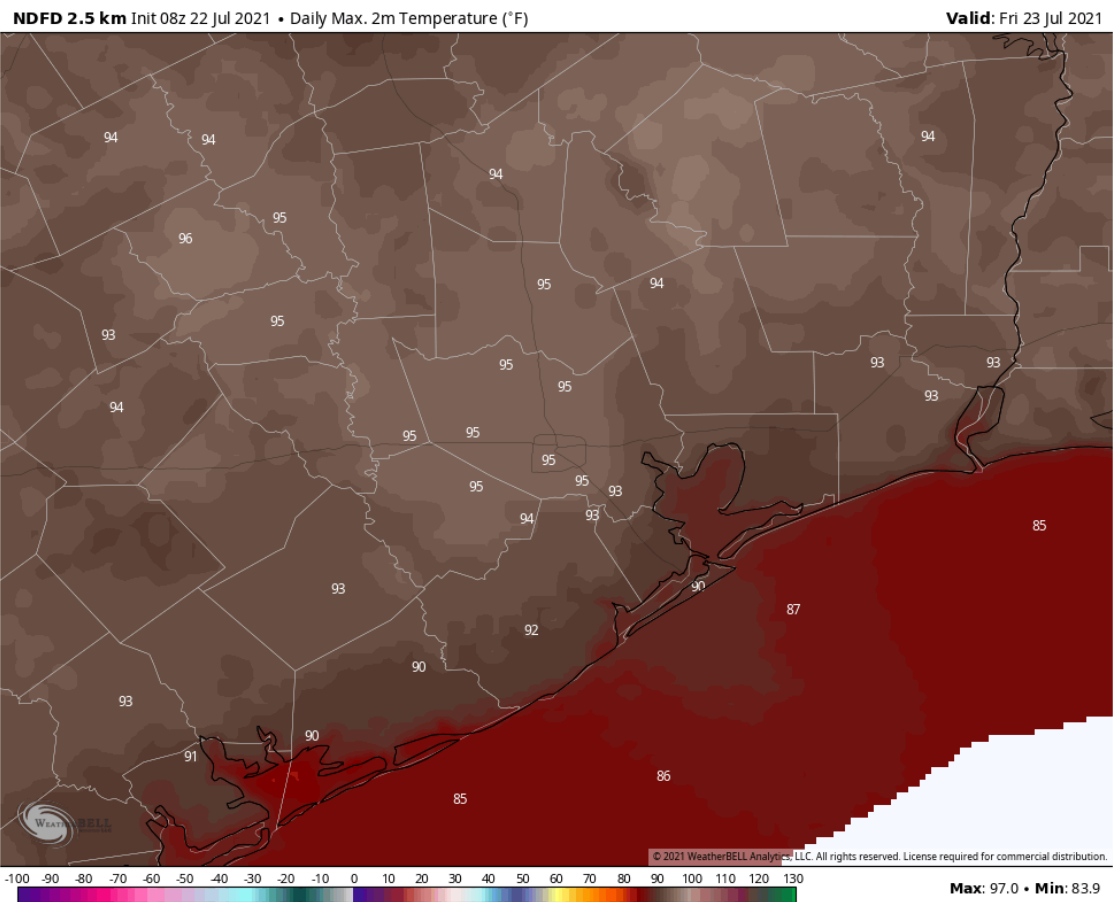
Sustained Winds (1 PM CT)



Simulated Radar Snapshot (4 PM CT)



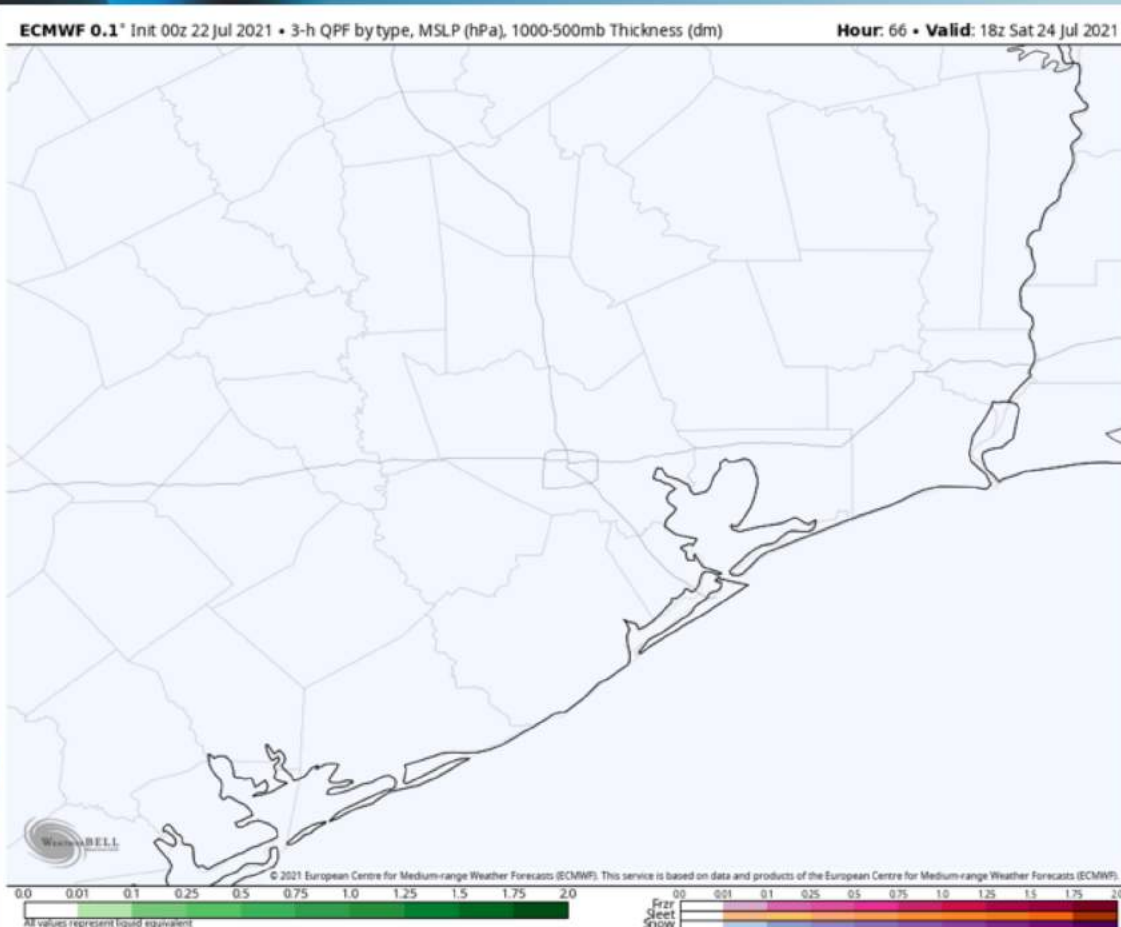
High Temps Friday



Short-Term Forecast Discussion

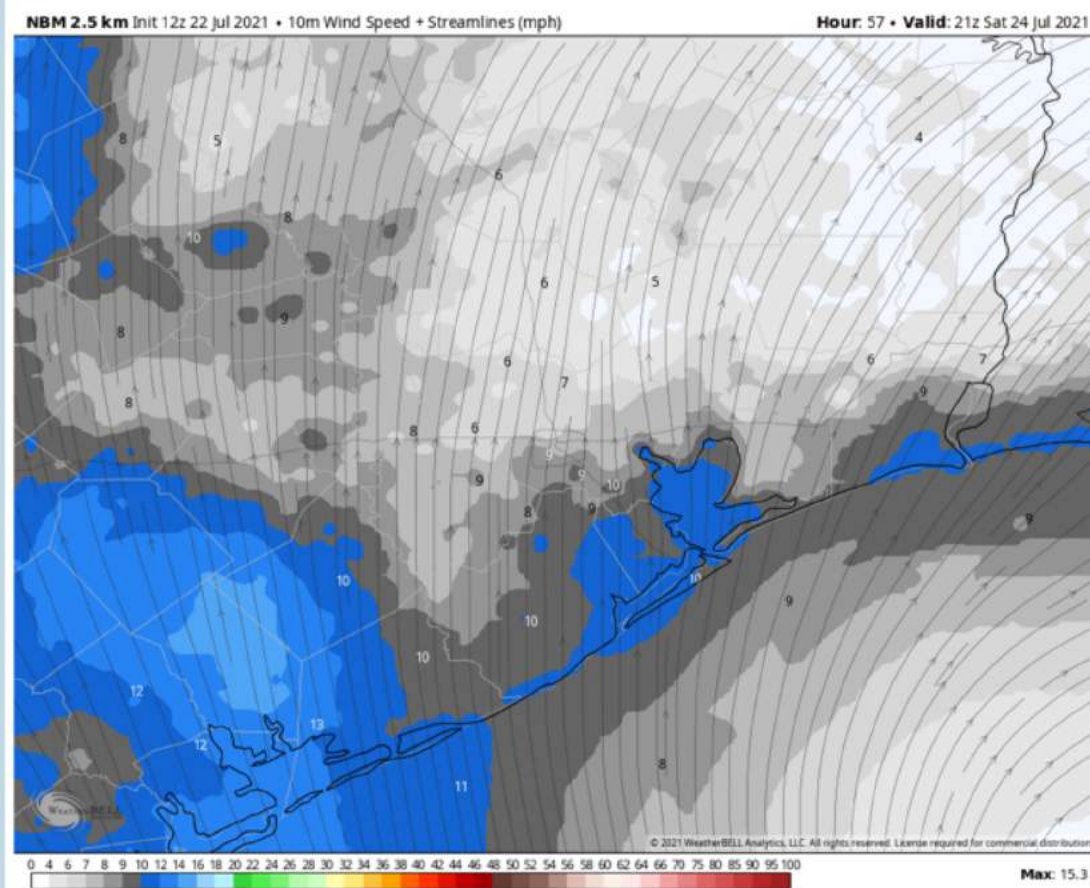
- Saturday is anticipated to be a drier day across the area.
- Winds will overall be pretty light around the area and coming out of the South, 5-10 MPH with a few gusts locally higher at the boarding station.
- Temperatures into the lower to mid 90's F will be possible on Saturday. "Feels like" temperatures into the lower 100's F will be possible.
- **No fog is in the forecast for Saturday.**

Simulated Radar Snapshot (1 PM CT)

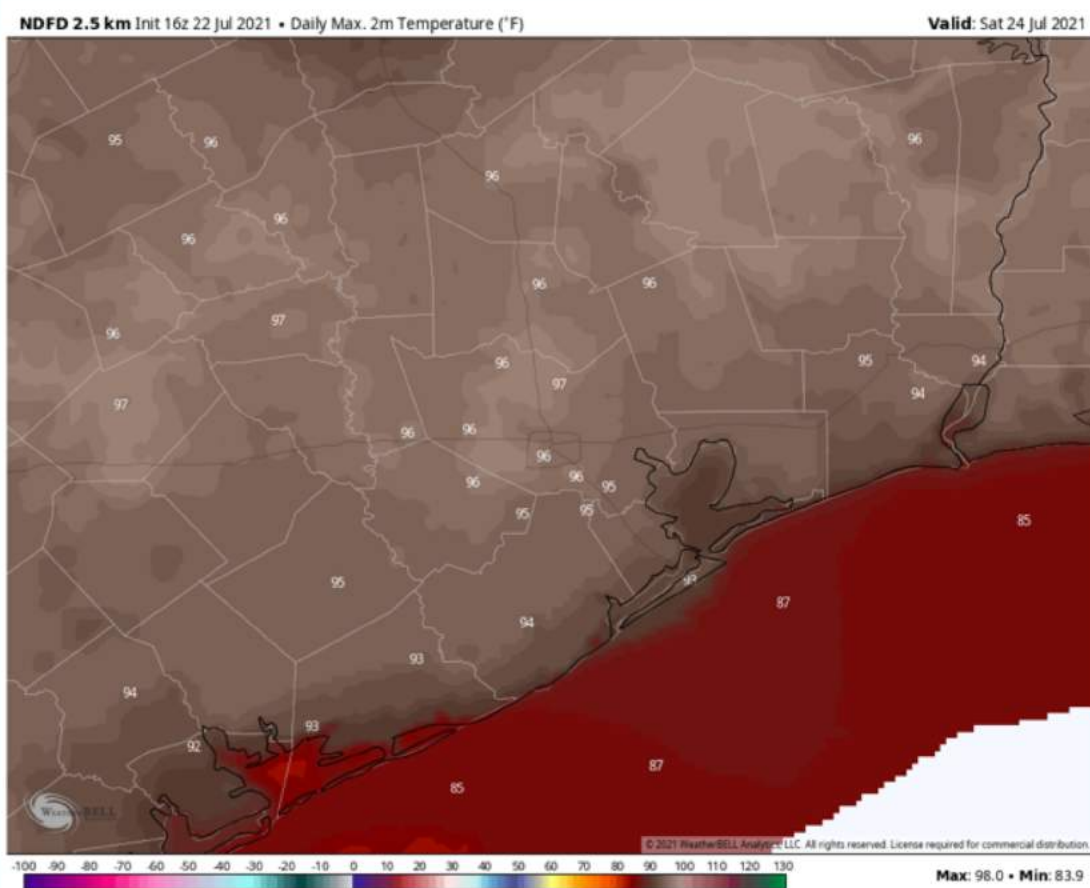


Saturday, July 24th, 2021

Sustained Winds (4 PM CT)



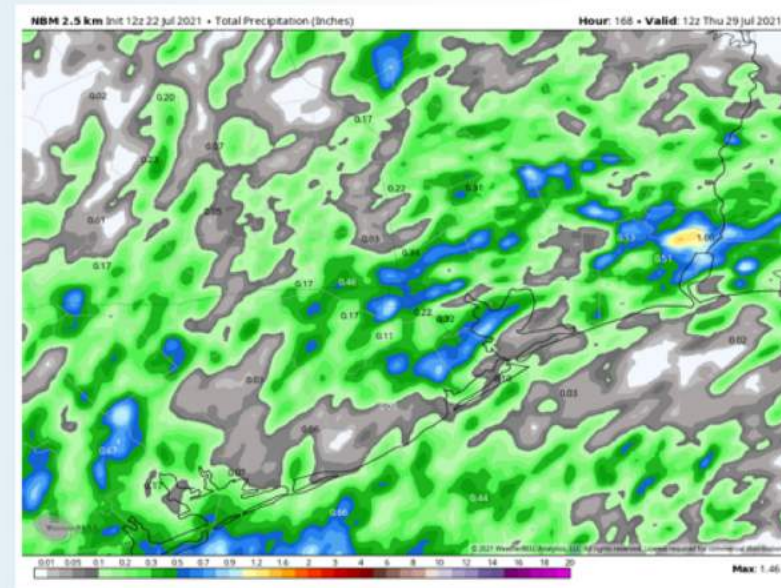
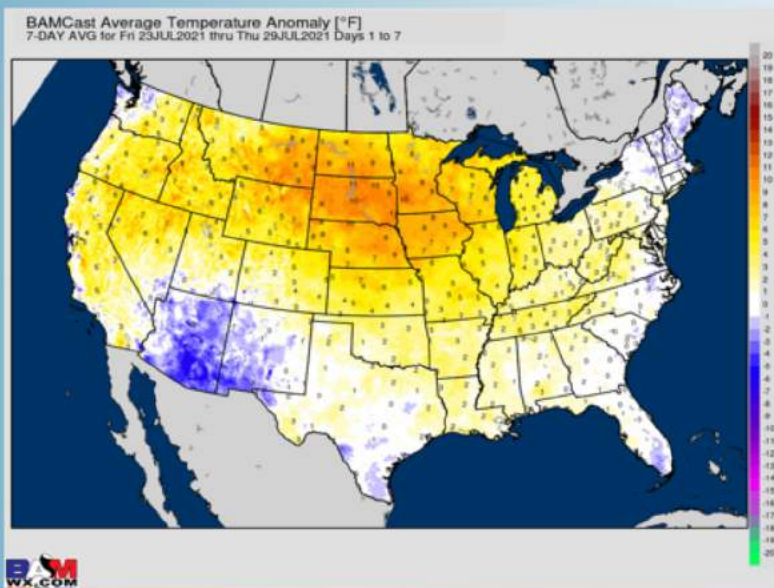
High Temps Saturday



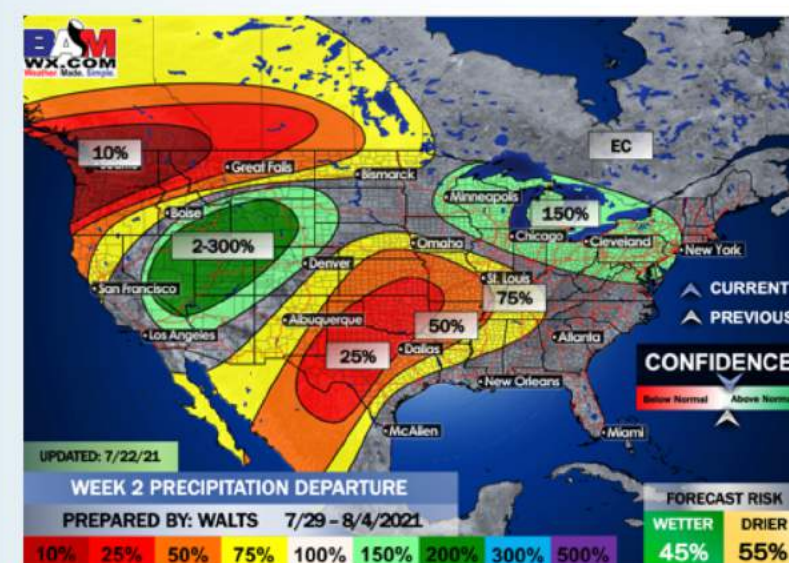
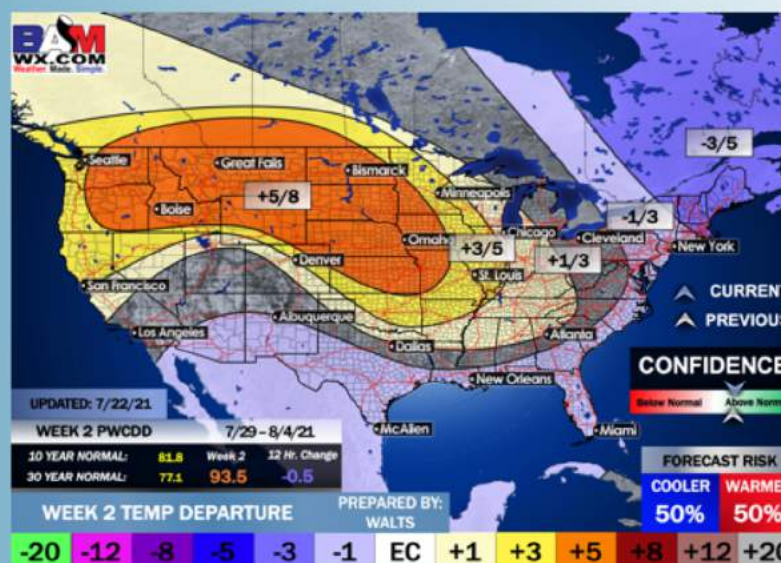
Long-Range Forecast Discussion

- A quiet week is in store today with just a few isolated chances for precipitation. Temps will continue to sit near average to slightly above.
- The quiet weather from week 1 ahead looks to bleed into week 2 with below normal moisture risks expected. Temperatures are anticipated to run at to below normal in the week 2 timeframe.
- The weeks ¾ (first half of August essentially) period likely features more seasonable to cooler than normal temperatures, while precipitation looks to run around normal in this period as well. One thing we will need to keep an eye on will be increasing potential for tropical disturbances heading into the middle part of August (see slide after the intro slide for more details.)

Week 1 Forecast



Week 2 Forecast



Weeks 3/4 Forecast

