

Updated: 5:00 AM 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.**

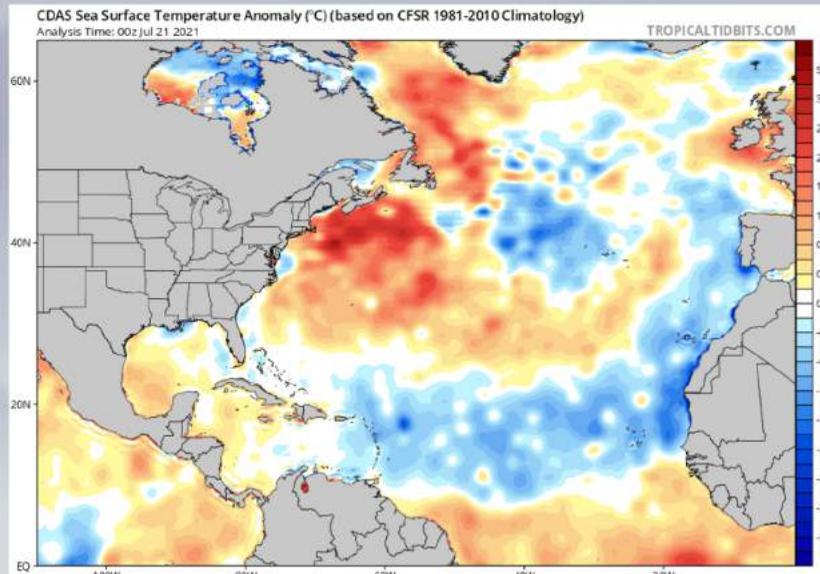
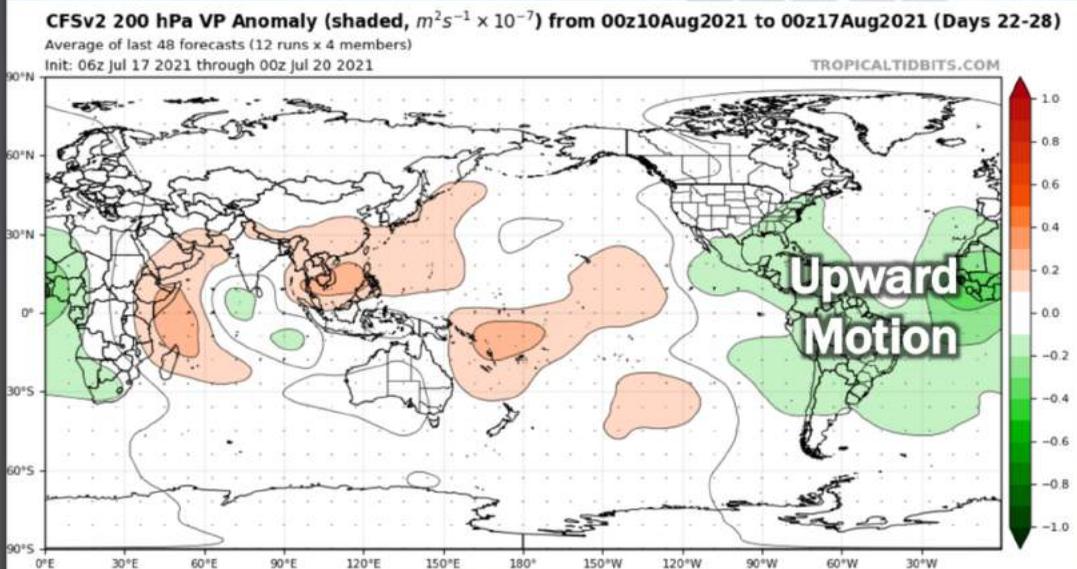
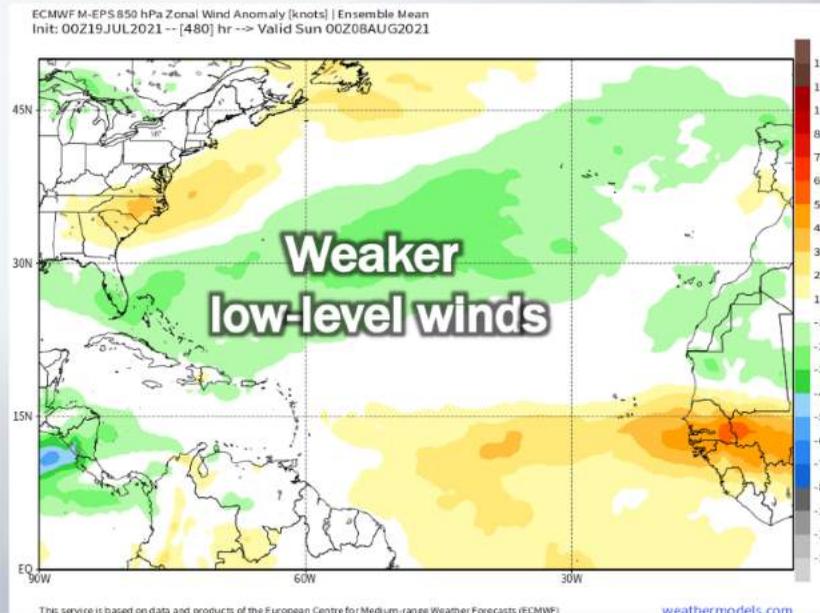
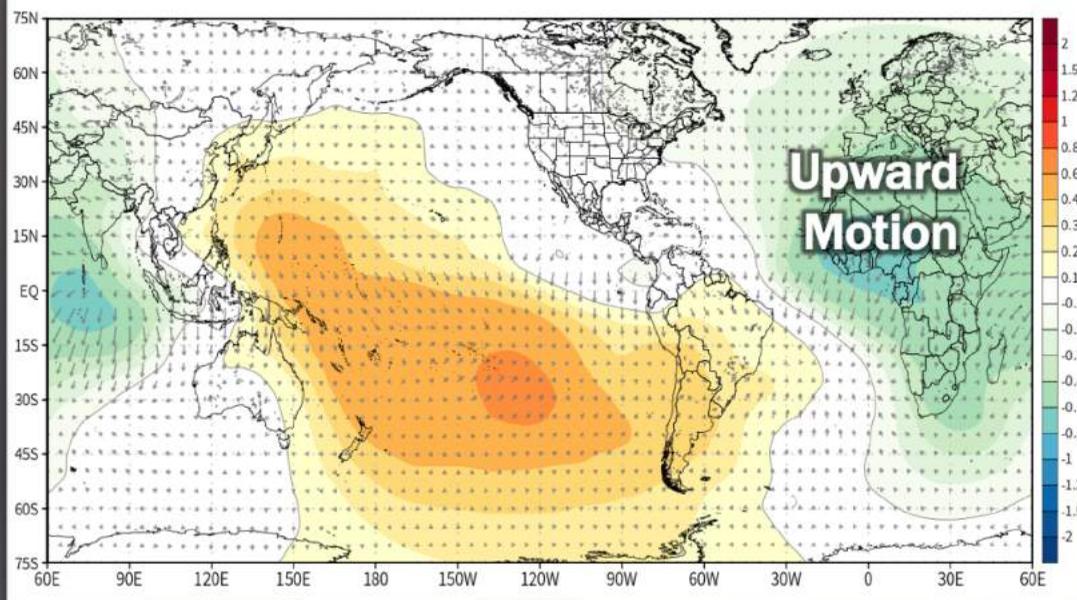
Tropical Update:

UPTICK IN ATLANTIC HURRICANE SEASON FOR AUGUST

PREPARED BY: BRET WALTS

July 21, 2021

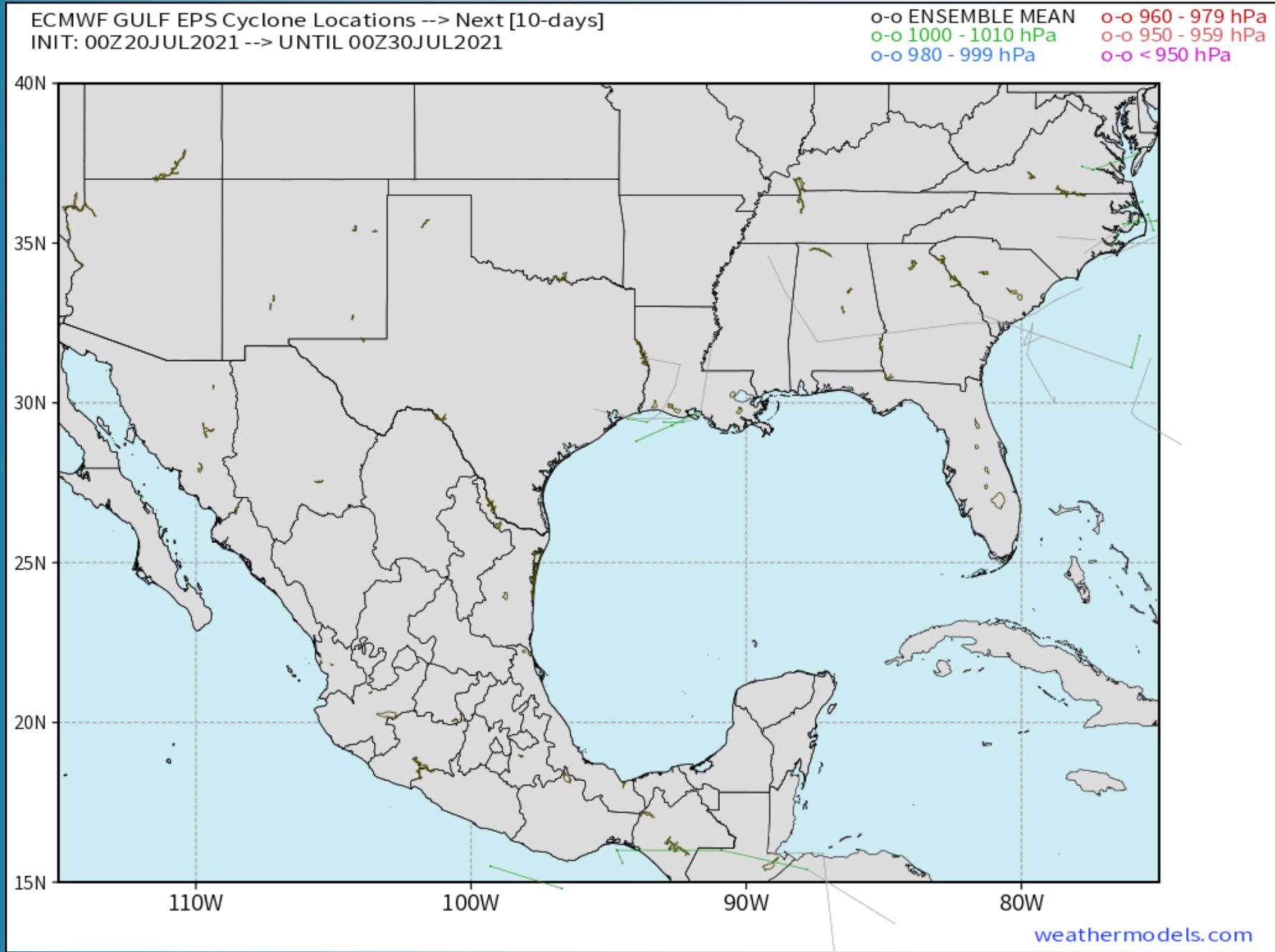
Targeting a potential awakening of the Atlantic Tropical Season



- 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

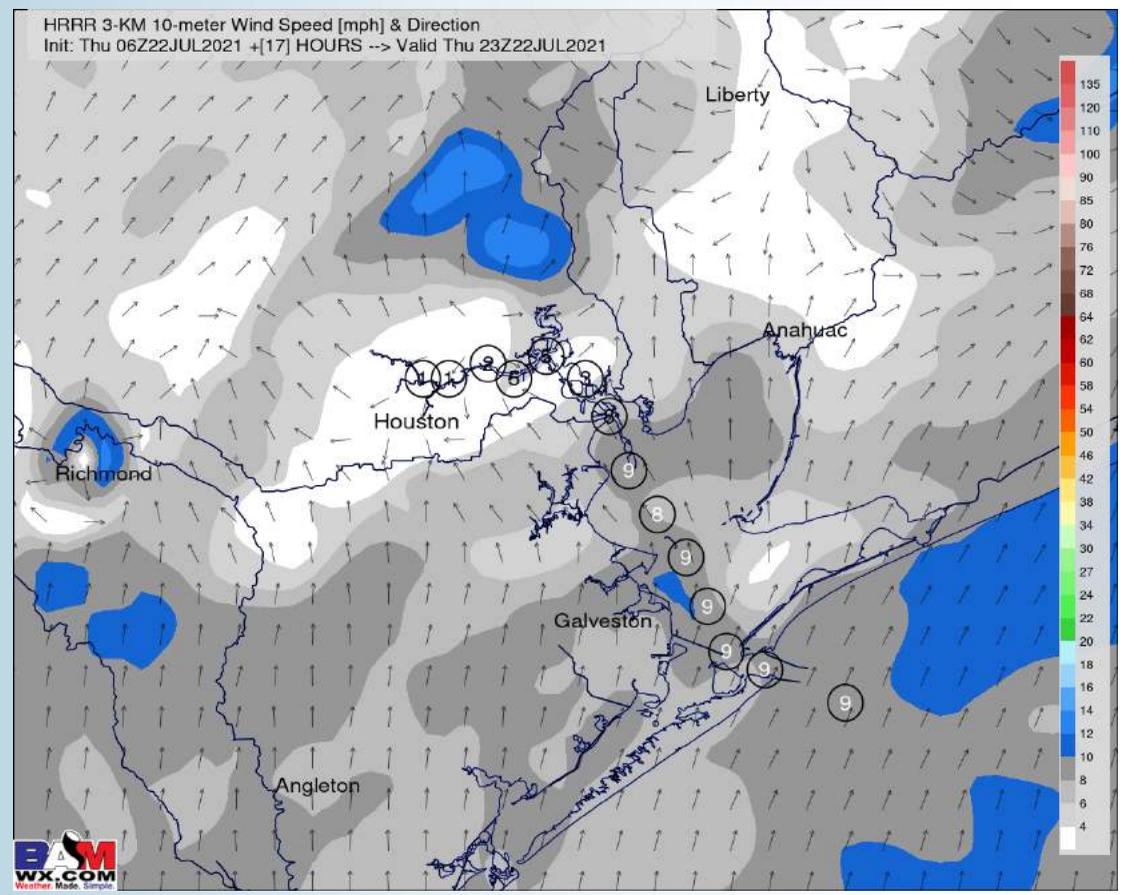
HOURLY VISIBILITY BREAKDOWN (in miles)

Time	07-22-2021 Thu 3am	07-22-2021 Thu 4am	07-22-2021 Thu 5am	07-22-2021 Thu 6am	07-22-2021 Thu 7am	07-22-2021 Thu 8am	07-22-2021 Thu 9am	07-22-2021 Thu 10am	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
Houston Pilots N - 610 Bridge	8.466	8.320	7.870	6.088	5.102	4.865	5.964	7.069	9.918	10.00	7.218	8.374	4.474	1.356	7.179	6.016	6.385	8.252	9.510	9.097	8.777	8.688	8.744	8.560	8.241	8.169	8.095	7.946	7.954	8.016	8.289	9.911	10.00	10.00	10.00	1.340
Houston Pilots M - Kinder 1	8.466	8.320	7.870	6.088	5.102	4.865	6.051	7.069	9.918	10.00	7.218	8.374	7.568	3.001	7.179	6.400	6.385	8.252	9.351	9.008	8.670	8.600	8.685	8.525	8.241	8.142	8.059	7.946	7.954	7.983	8.289	9.911	10.00	10.00	10.00	1.340
Houston Pilots L - Greens Bayou	8.466	7.417	7.246	6.505	5.102	4.865	6.051	7.657	10.00	10.00	7.220	8.374	8.370	6.368	8.480	6.649	6.761	8.135	9.296	8.805	8.670	8.378	8.459	8.454	8.241	8.142	8.059	8.009	7.954	7.928	8.289	9.628	10.00	10.00	10.00	2.327
Houston Pilots K - Shell Crude	8.466	8.320	7.870	7.554	5.102	4.865	6.051	7.408	10.00	10.00	7.220	8.374	8.370	6.368	8.025	6.649	7.494	8.252	9.241	8.887	8.670	8.480	8.542	8.454	8.241	8.142	8.059	8.009	7.954	7.928	8.289	9.598	10.00	10.00	10.00	2.327
Houston Pilots J - Lynchburg Ferries	8.028	6.590	6.586	6.214	6.003	5.948	6.300	7.408	8.211	9.769	7.220	8.374	8.402	6.865	9.094	7.155	6.956	8.252	9.218	8.802	8.587	8.378	8.459	8.435	8.241	8.112	8.003	8.122	7.954	7.928	8.289	9.598	10.00	10.00	10.00	5.026
Houston Pilots I - Exxon 3	8.631	8.320	8.072	6.214	6.003	5.948	6.300	7.408	8.211	10.00	6.704	8.515	8.246	6.865	9.094	9.857	6.956	10.00	9.218	8.802	8.587	8.480	8.496	8.435	8.241	8.088	8.003	8.089	7.954	7.887	8.464	9.598	10.00	10.00	10.00	3.087
Houston Pilots H - Morgans Point	8.665	8.320	8.072	7.554	6.003	5.948	6.300	7.408	10.00	8.295	6.704	8.398	5.893	6.735	8.025	7.138	9.337	9.349	9.351	8.942	8.663	8.603	8.512	8.477	8.241	8.088	8.003	8.089	7.925	7.887	8.464	9.772	10.00	10.00	10.00	3.087
Houston Pilots G - 75/76	8.616	8.520	8.425	7.554	7.905	7.664	6.737	8.525	10.00	6.907	6.704	6.510	5.363	5.522	9.285	9.857	9.337	9.349	9.503	9.073	8.819	8.691	8.694	8.516	8.264	8.178	7.949	7.922	7.866	7.984	8.518	9.930	10.00	10.00	10.00	3.087
Houston Pilots F - 63/64	8.851	8.700	8.599	8.755	7.650	8.590	9.487	5.717	10.00	5.891	7.024	7.584	5.363	5.522	9.865	10.00	9.337	9.349	9.640	9.117	8.759	8.609	8.664	8.453	8.639	8.223	8.721	8.356	7.936	8.229	8.254	7.612	10.00	10.00	10.00	6.296
Houston Pilots E - 51/52	9.106	8.993	8.860	8.755	5.245	8.471	7.667	5.030	10.00	5.891	7.716	9.773	5.363	6.952	10.00	10.00	9.337	10.00	9.640	9.117	8.793	8.780	8.664	8.671	8.639	8.223	9.074	8.610	8.202	6.662	8.254	7.520	10.00	10.00	10.00	9.345
Houston Pilots D - 37/38	9.106	8.993	8.860	8.710	5.245	7.669	7.667	5.030	10.00	5.891	7.875	7.684	5.363	7.050	10.00	10.00	10.00	10.00	9.640	9.117	8.793	8.780	8.664	8.671	8.639	8.223	8.874	8.610	6.204	6.662	8.210	7.520	10.00	10.00	8.621	9.345
Houston Pilots C - 25/26	9.600	9.407	9.463	7.976	5.245	7.567	6.382	5.030	10.00	6.752	7.923	6.863	6.151	7.050	10.00	10.00	10.00	10.00	9.903	9.354	9.124	9.093	8.957	8.847	8.639	8.624	9.399	8.610	6.204	6.662	7.895	7.520	10.00	10.00	6.425	9.941
Houston Pilots B - 11/12	9.794	10.00	10.00	7.976	5.245	7.567	5.422	5.030	10.00	6.233	8.923	6.863	6.751	9.036	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	9.846	9.766	9.592	9.846	10.00	9.690	6.204	6.662	7.895	7.520	10.00	10.00	6.425	8.206
Houston Pilots A - 1 & 2 Bravo	10.00	10.00	10.00	8.845	7.407	7.669	5.422	8.434	9.633	5.248	8.015	8.587	4.723	9.980	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	10.00	10.00	8.333	7.895	7.626	8.637	10.00	8.621	8.206

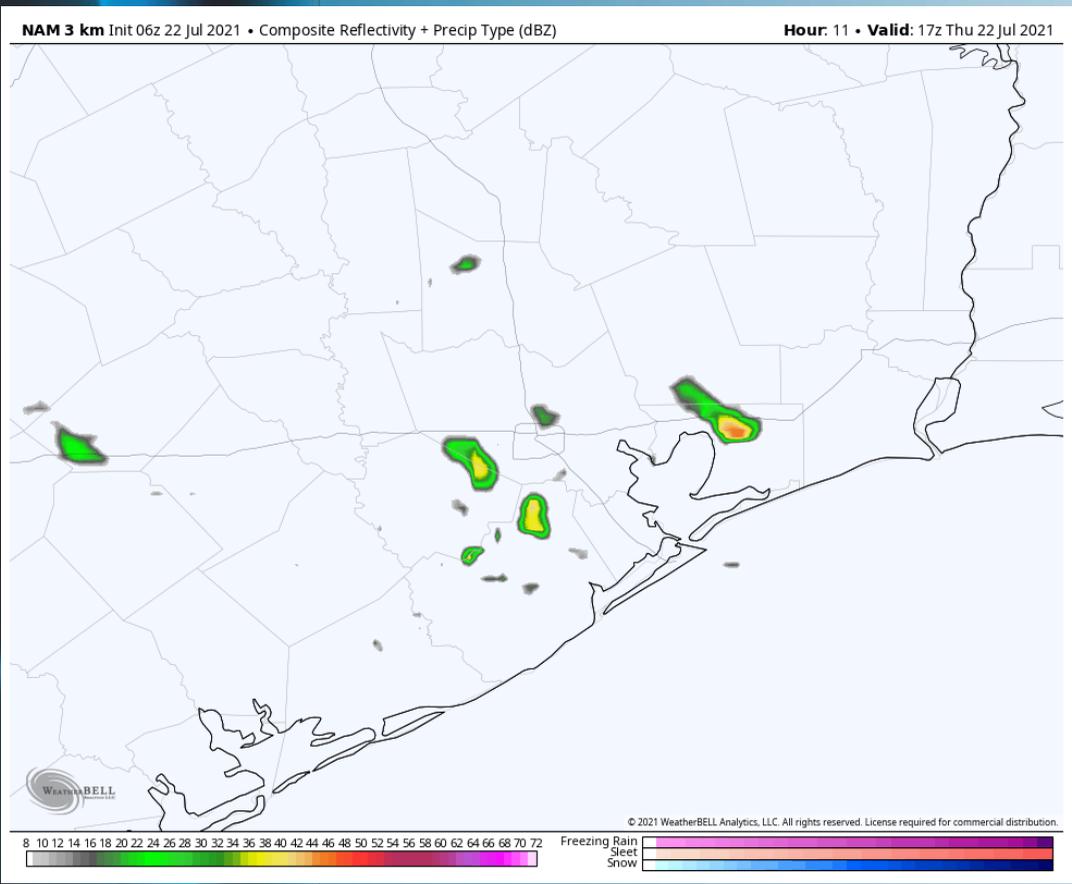
Short-Term Forecast Discussion

- Isolated precipitation (~20-30%) chances will be possible starting near daybreak and then continuing into late-afternoon coming from the SE. There will likely be several drier hours on Thursday as cells will be very hit and miss.
- Favoring winds to be lighter (5-10 MPH sustained) and out of the WSW for the first half of today before turning out of the SW at 8-13 MPH for the afternoon hours (locally higher gusts for the boarding station).
- Temps expected to reach the upper 80s to lower 90s for most locations on the day today.
- *No fog is in the forecast for today.*

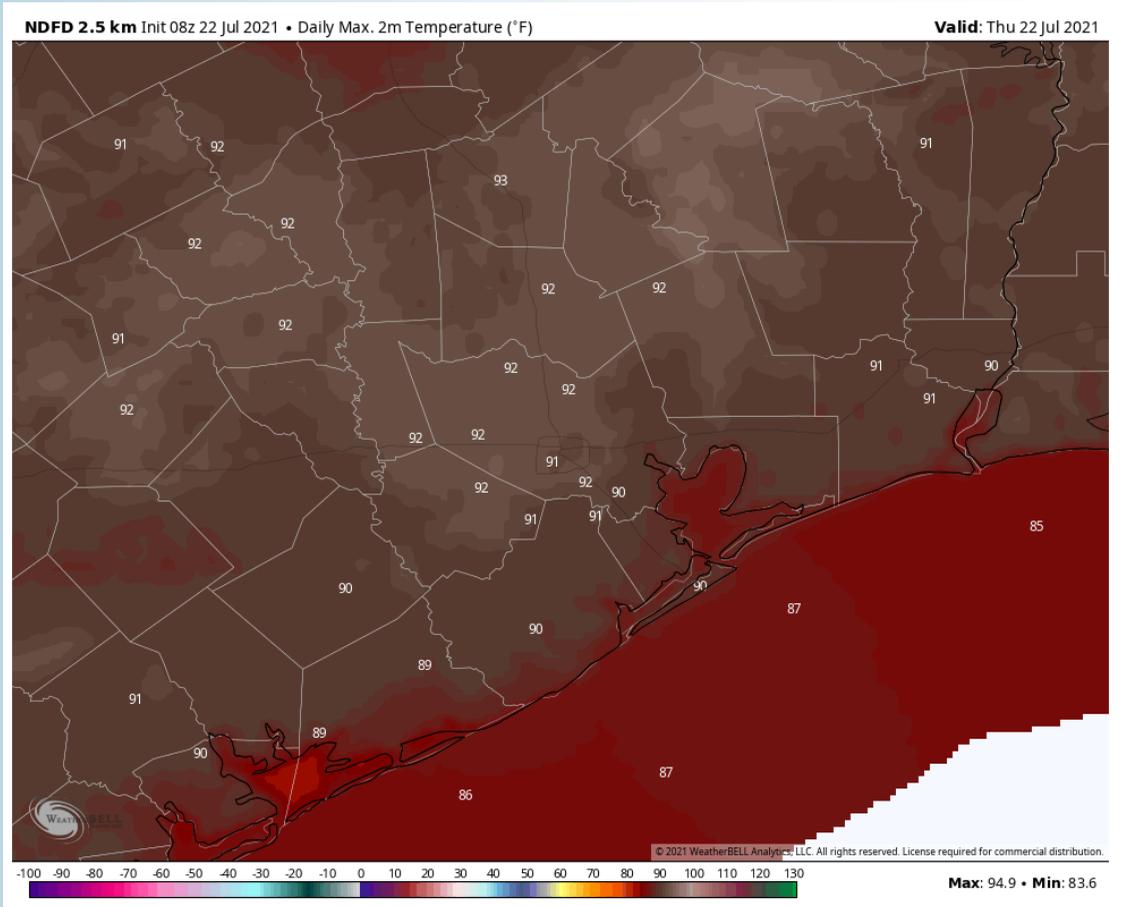
Sustained Winds (6 PM CT)



Simulated Radar Snapshot (1 PM CT)



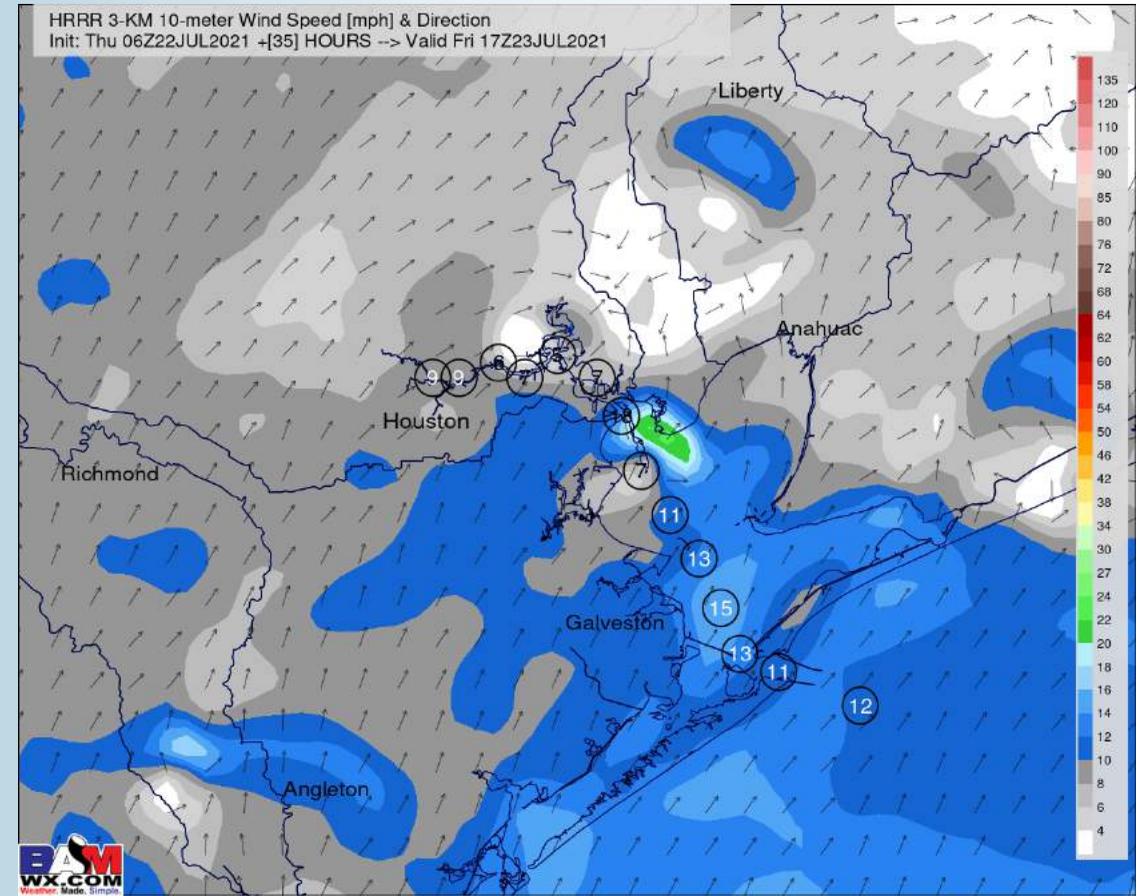
High Temps Today



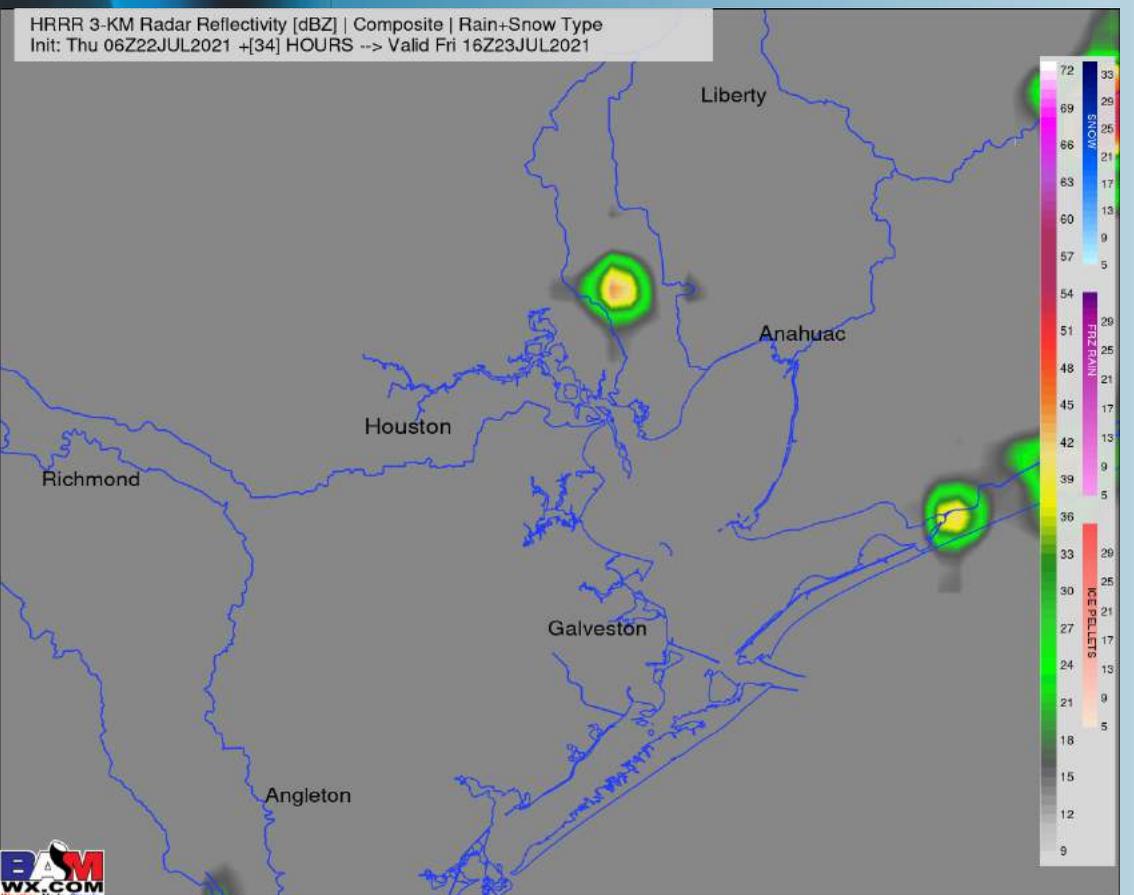
Short-Term Forecast Discussion

- 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.*

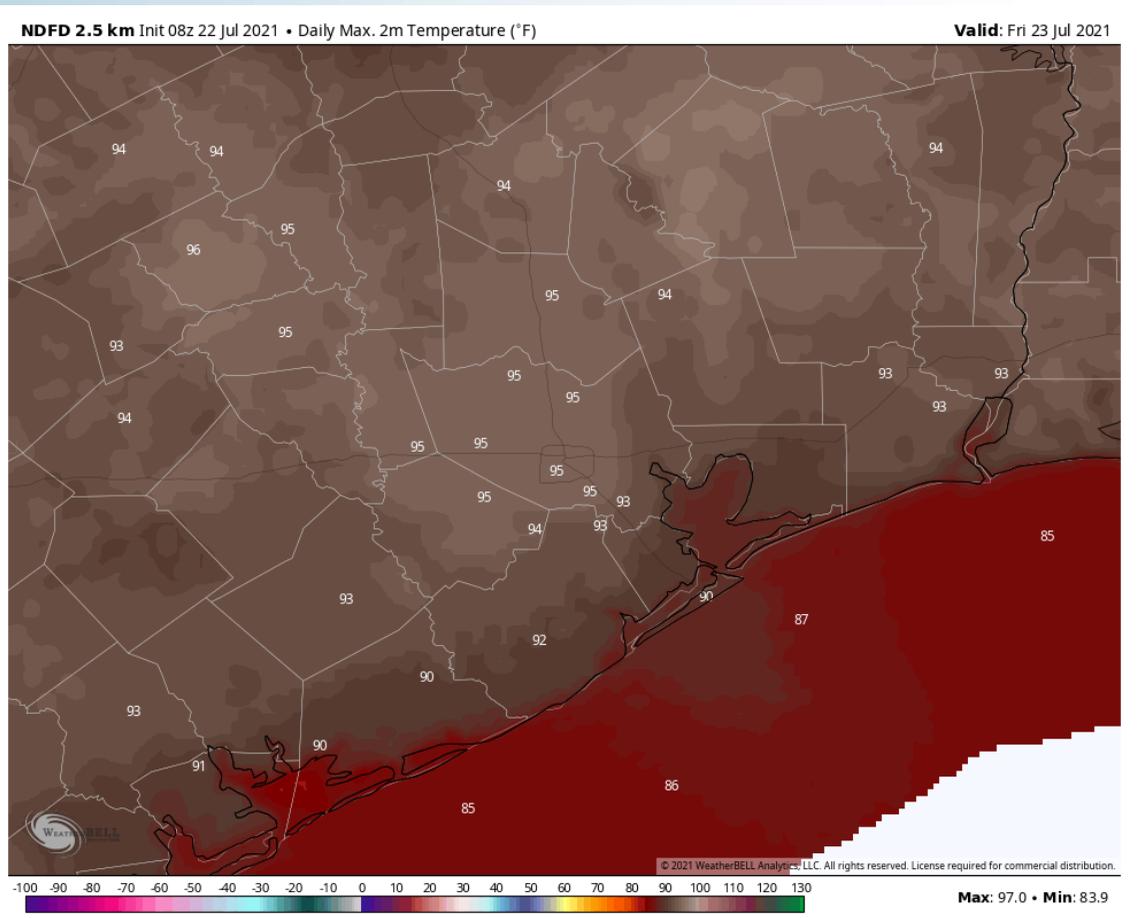
Sustained Winds (1 PM CT)



Simulated Radar Snapshot (10 AM CT)



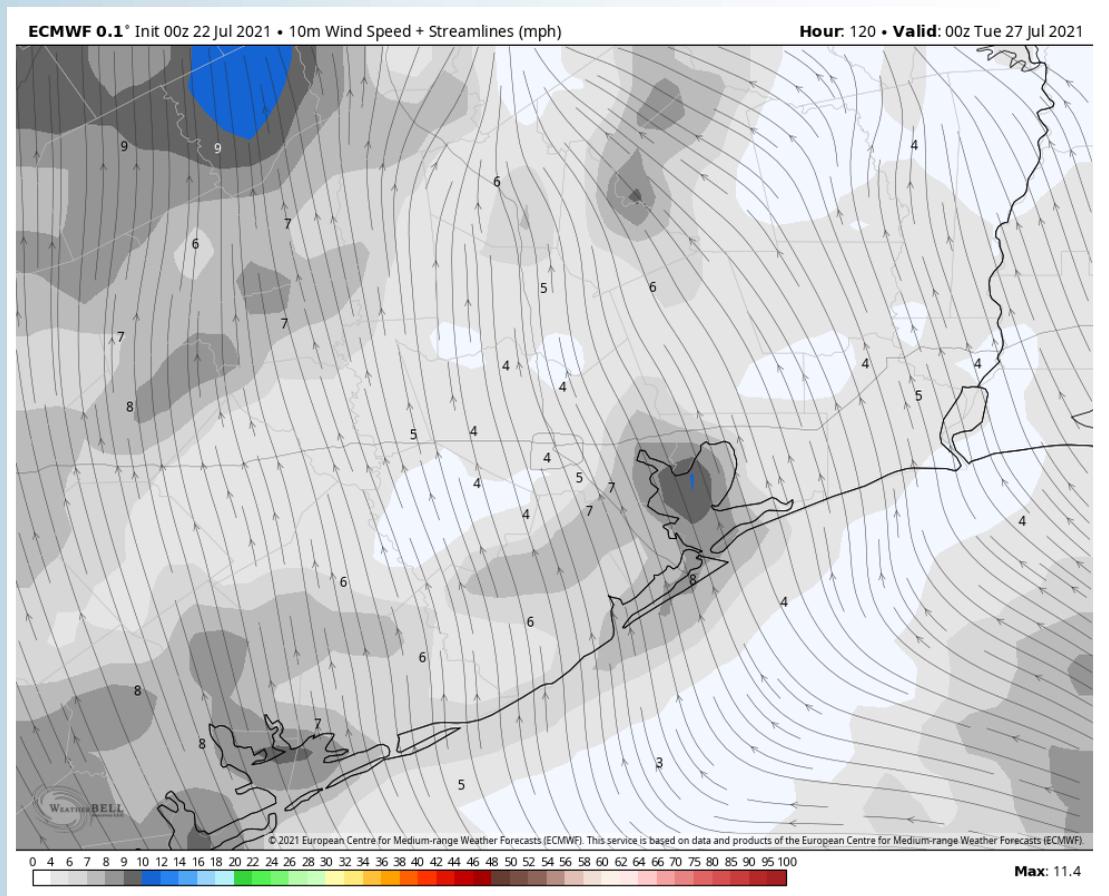
High Temps Friday



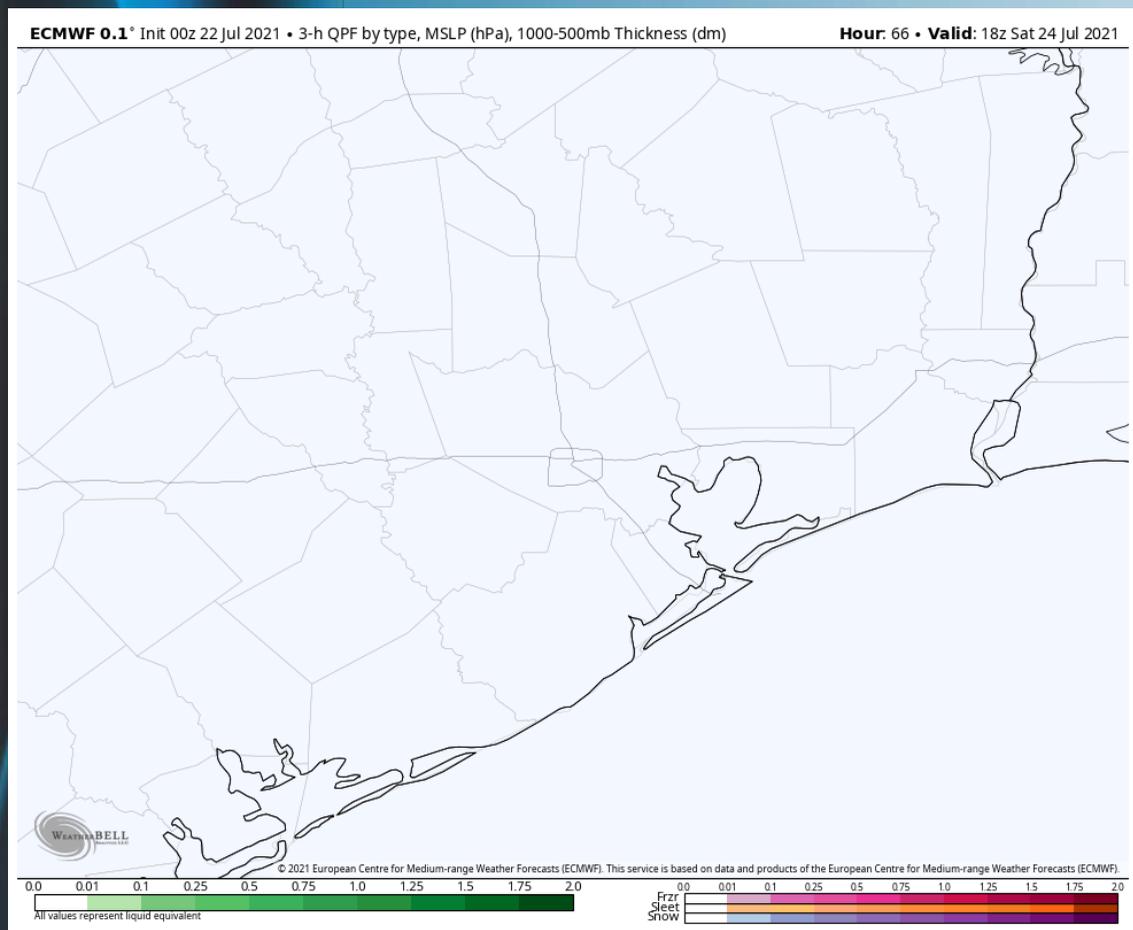
Short-Term Forecast Discussion

- 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.
- High temps for Saturday expected to reach into the upper 80s to lower 90s, mid 90s inland.
- *No fog is in the forecast for Saturday.*

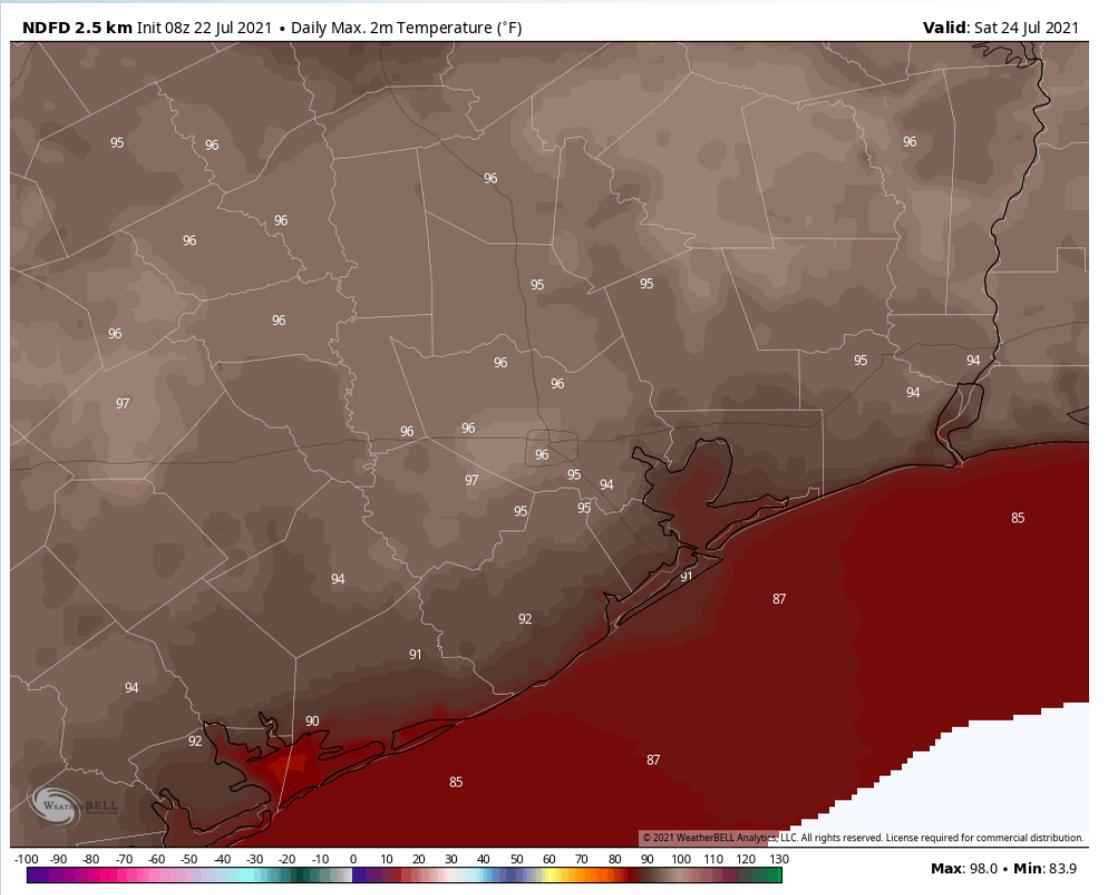
Sustained Winds (7 PM CT)



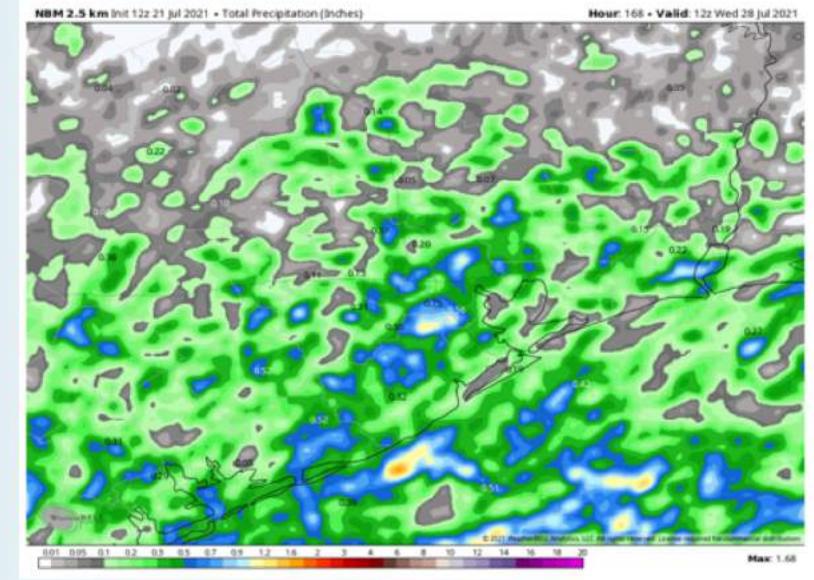
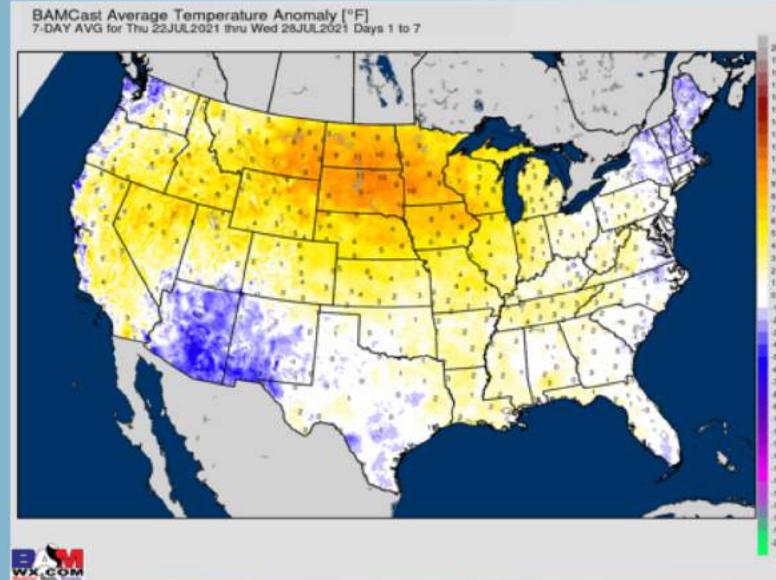
Simulated Radar Snapshot (1 PM CT)



High Temps Saturday



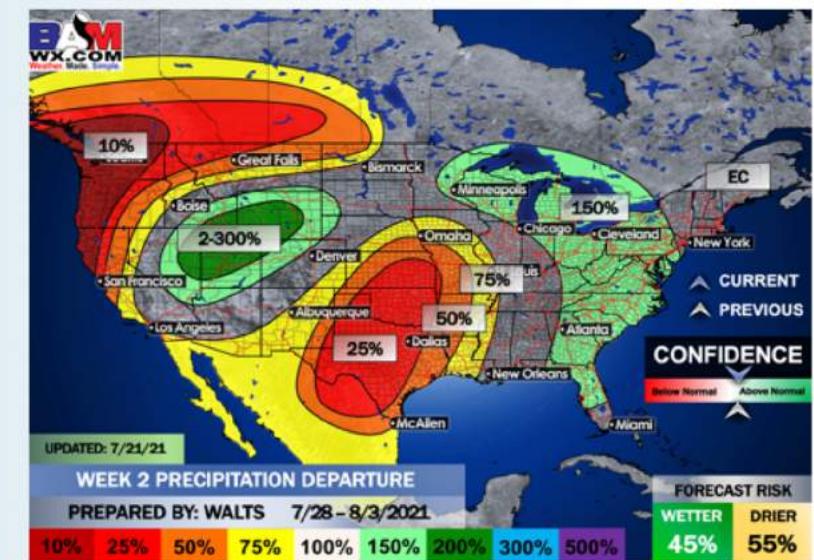
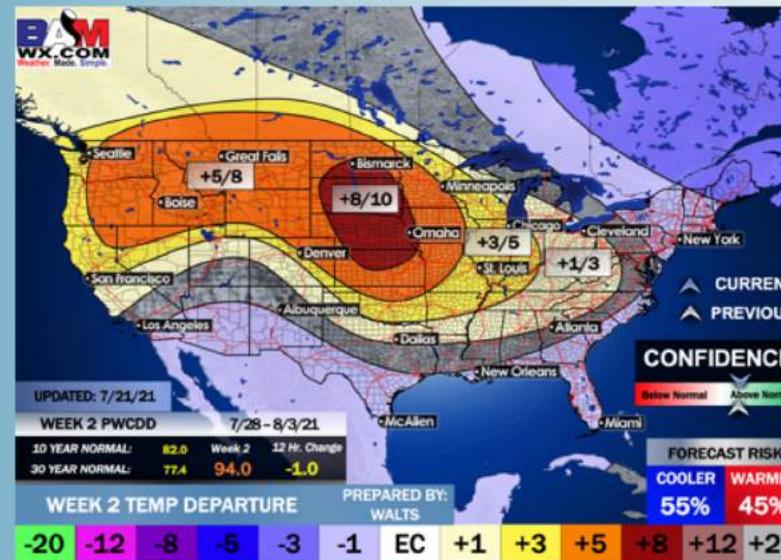
Week 1 Forecast



Long-Range Forecast Discussion

- We start a pattern with more quiet weather over the next week in regards to precipitation risks. Temps will continue to sit near average to slightly below.
- 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 3/4 (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 2 Forecast



Weeks 3/4 Forecast

