

Houston Pilots Forecast Package

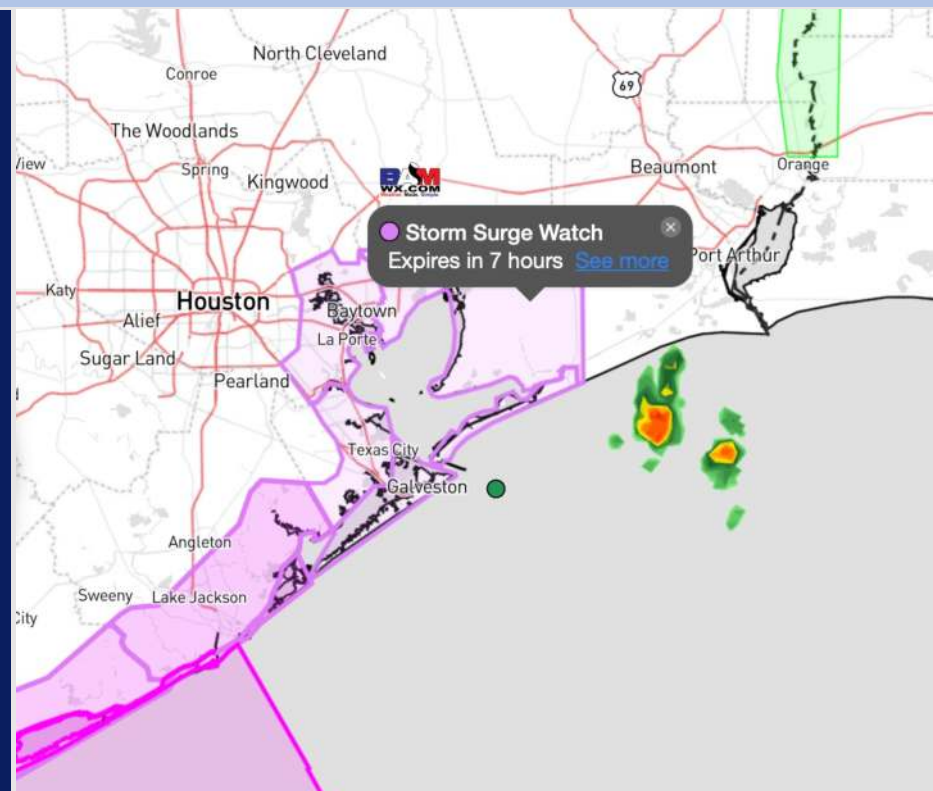


Updated: 7:00 AM CT
Saturday, July 6, 2024

Forecaster: Vince Bryan

Weather Headlines

- Storm Surge Watch of 2-4 feet is in effect.
- X-Ray Port Conditions are in effect (see Trigger slide below).
- Calmer winds are expected through SUN afternoon before increasing due to Tropical Storm Beryl SUN PM and MON.
- The worst conditions will come during the daytime hours Monday (more on timing slide below).
- [Beryl Video \(click here\) 7AM Sat 7/6/24](#)



Current Radar: 7:00 AM CT

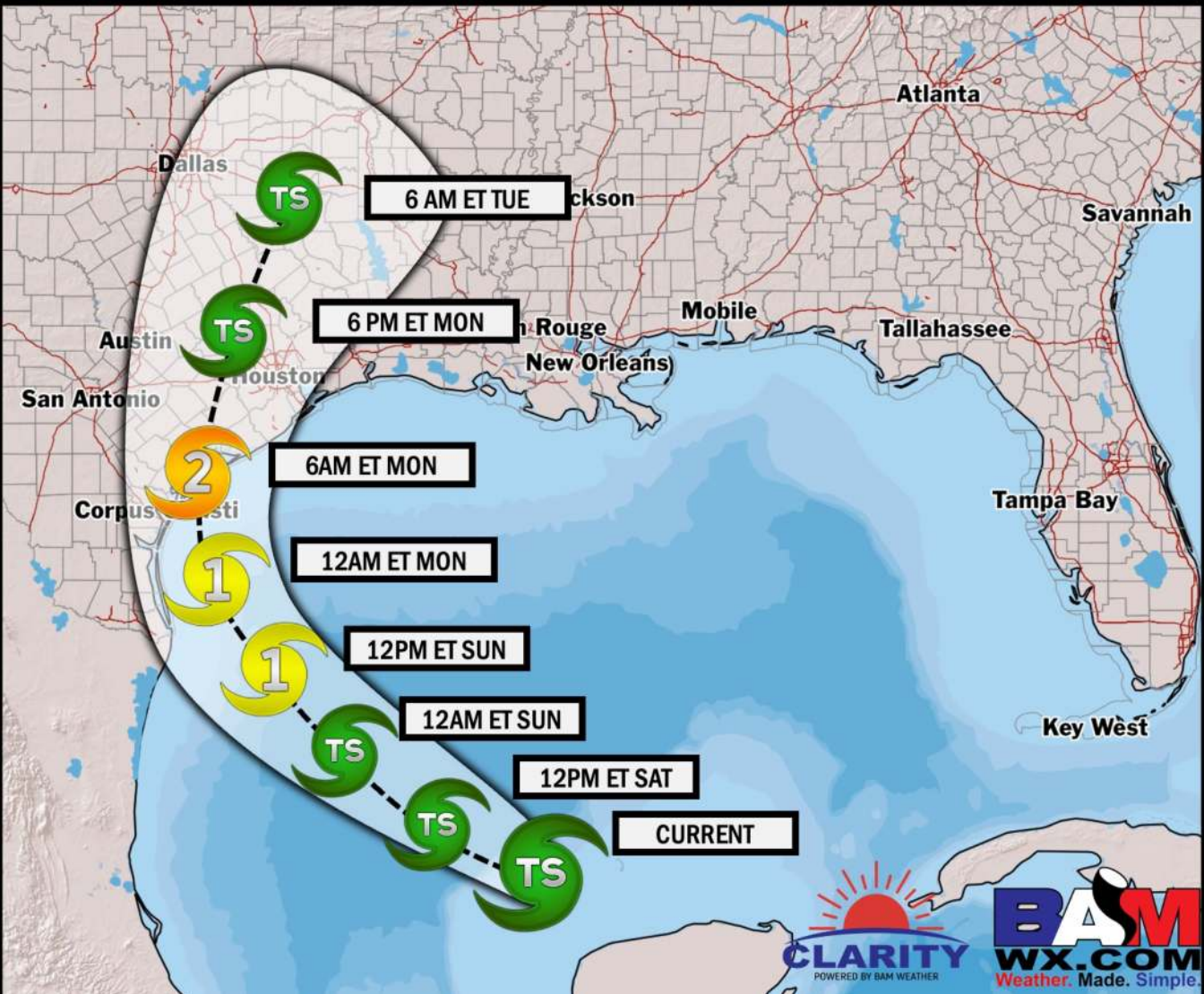


As always, please do not hesitate to reach out to us with any forecast questions via the chat option on Clarity or our on-call number, **(317)-560-8122** press 1 for forecast questions.

Houston Pilots Tropical Update



TROPICAL STORM BERYL OUTLOOK FORECASTER: BRYAN
July 6th - July 10th, 2024 UPDATED: 7/6/24 5:30 AM CT



While landfall of Tropical Storm Beryl is favored near Corpus Christi, there will still be impacts felt in the Houston/Galveston area!

Please see the slides below for more detailed info for the Houston/Galveston area.

Map to the left simply shows the favored track of the center of the system. Impacts can (and will) be felt outside of the cone.



Houston Pilots Tropical Update



BOARDING STATION MAIN TAKEAWAYS

Wind Direction: Consistently out of the SE SUN through MON PM, before coming out of the S by 8PM MON night, and then out of the SW all day TUE.

Wind Timing: Highest winds likely come 7AM MON to 4 PM MON.

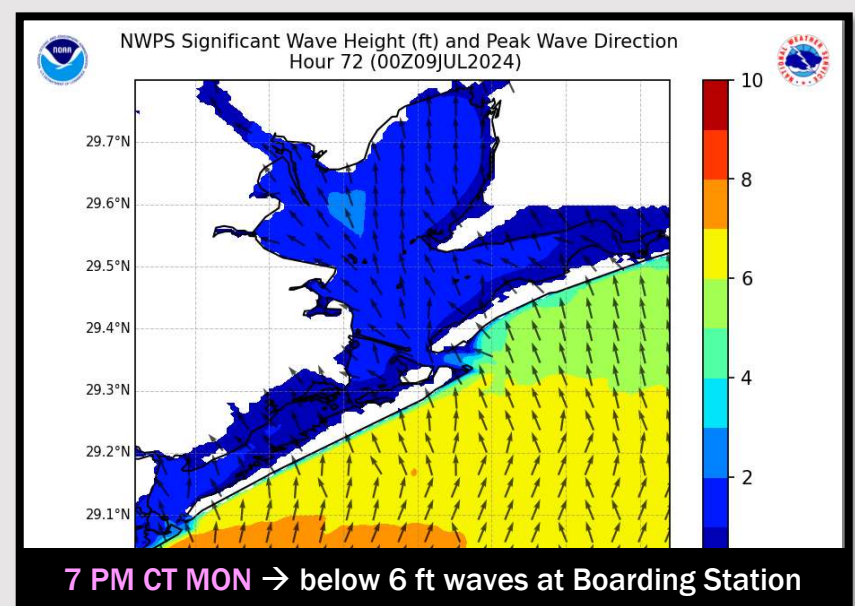
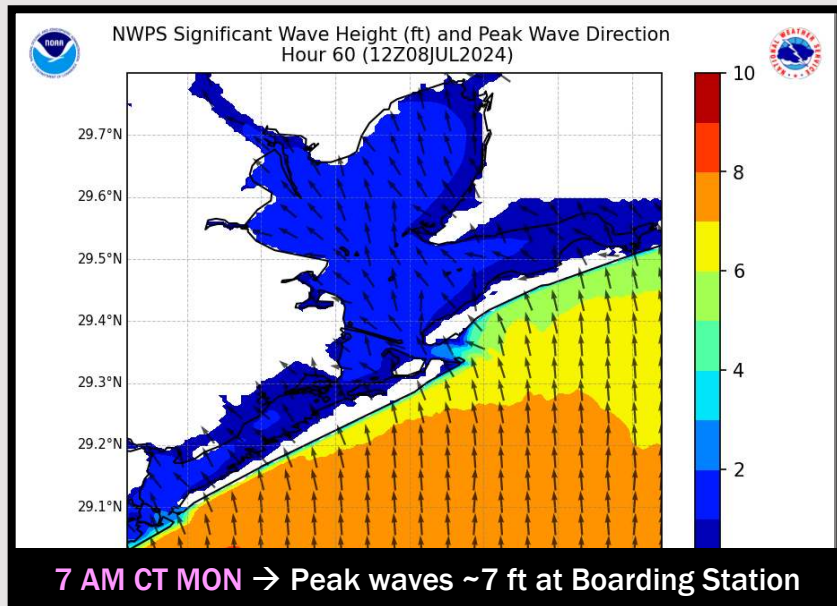
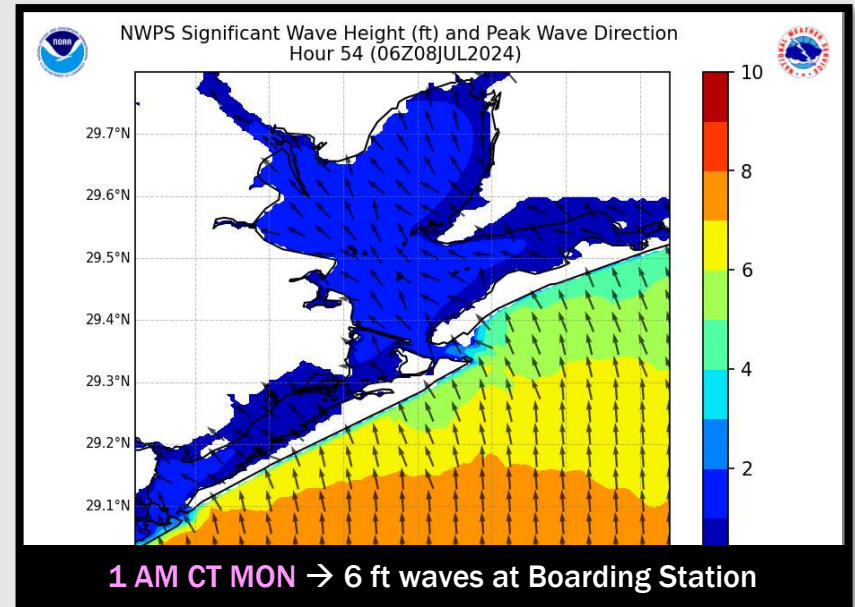
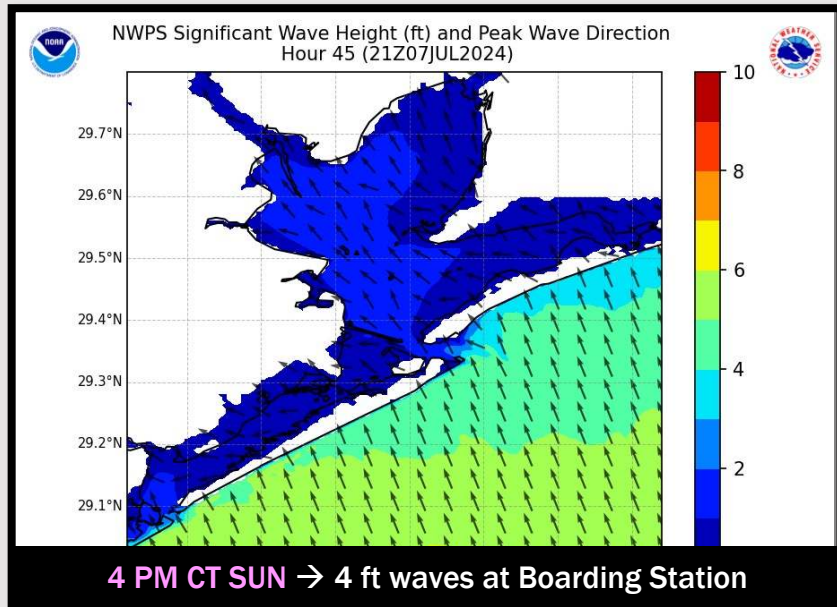
Wind Speed Max: 33-38 knots possible.

Wind Gust Max: 45-55 knots possible.

Wave Heights: Peak wave heights of 6-7 feet will be possible at the boarding station between 1 AM MON and 7 PM MON.

Tides: SUN: High: 7:30 AM Low: 10:55 PM
MON: High: 8:25 AM Low: 11:35 PM

Wave Height Forecast Update



Houston Pilots Wave Height Update



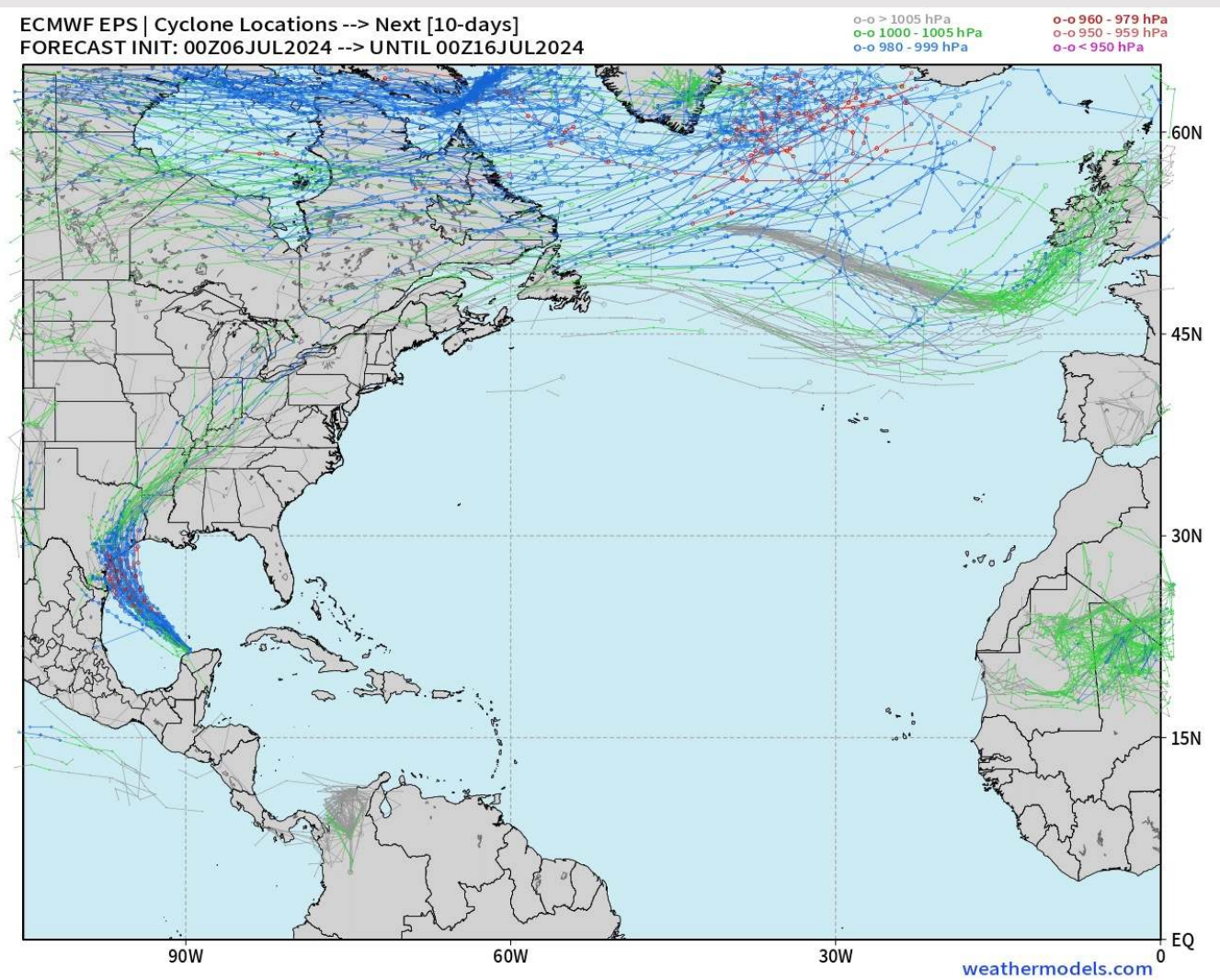
Port Condition	34 KTS+ Sustained Wind Trigger Reached at:	6 Foot Wave Trigger Reached at:	Time Remaining/Trigger Ends At:
Victor	—	—	Ended
Whiskey	Past This Trigger	—	Ended
X-Ray	Current	Current	1 AM CT SUN
Yankee	1 AM CT SUN	1 AM CT SUN	1 PM CT SUN
Zulu	1 PM CT SUN	1 PM CT SUN	7 PM CT MON

Port Condition	Trigger Definition	Trigger Reached?
Victor	Hurricane entering/developing in Gulf of Mexico that's a threat to the area	PAST
Whiskey	72 hours prior to predicted sustained winds of 34+ KTS	PAST
X-Ray	48 hours prior to predicted sustained winds of 34+ KTS or 6' wave height	YES
Yankee	24 hours prior to predicted sustained winds of 34+ KTS or 6' wave height	No
Zulu	12 hours prior to predicted sustained winds of 34+ KTS or 6' wave height	No

NOTES: As of Sat AM, Tropical Storm Beryl is into the Gulf of Mexico and will gradually intensify back into a hurricane. This storm will push WNW across the Gulf through MON AM, where it will likely make landfall near Corpus Christi. Although slight Northeast trends with the storm track are possible, not anticipating direct landfall in Houston/Galveston at this time. Wave heights expected to be around 6 ft on Monday with winds above 34+ kt threshold.

Houston Pilots Tropical Update

European Model Next 10 Days - Tropical Tracks



After Tropical Storm Beryl moves out of the area early next week (more on Beryl in previous slides), we are not in favor of additional tropical threats over the next 10-15 days.

Houston Pilots Visibility Chart (miles)



Forecast Confidence



Time	Sat 7am	Sat 8am	Sat 9am	Sat 10am	Sat 11am	Sat 12pm	Sat 1pm	Sat 2pm	Sat 3pm	Sat 4pm	Sat 5pm	Sat 6pm	Sat 7pm	Sat 8pm	Sat 9pm	Sat 10pm	Sat 11pm	Sun 12am	Sun 1am	Sun 2am	Sun 3am	Sun 4am	Sun 5am	Sun 6am
610 Bridge	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Kinder 1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Greens Bayou	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Shell Crude	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Lynchburg Ferries	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Exxon 3	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Morgans Point	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
75/76	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
63/64	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
51/52	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
37/38	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
25/26	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
11/12	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1 & 2 Bravo	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

NOTE: This is automated data that may/may not agree with the official BAM thinking that's found on the daily slides or special visibility report slides. This data should be used as a guide only

Houston Pilots Wind Chart



Forecast Confidence



Example

Sustained wind 13 Knots
Gusts 18 Knots
Wind from the N

WS: 13
G:18
N

Time Knots	Sat 7am	Sat 8am	Sat 9am	Sat 10am	Sat 11am	Sat 12pm	Sat 1pm	Sat 2pm	Sat 3pm	Sat 4pm	Sat 5pm	Sat 6pm	Sat 7pm	Sat 8pm	Sat 9pm	Sat 10pm	Sat 11pm	Sun 12am	Sun 1am	Sun 2am	Sun 3am	Sun 4am	Sun 5am	Sun 6am
610 Bridge	2	2	2	2	3	3	3	3	4	5	5	5	5	4	3	3	2	2	2	2	2	3	3	3
	5	5	5	5	5	6	7	8	8	9	9	9	9	8	7	7	6	6	6	5	5	6	6	6
	WNW	WNW	NW	NW	N	NE	NE	ENE	NE	E	E	SSE	SE	ESE	E	ESE	ESE	NNE	NE	NE	E	E	NE	
Kinder 1	2	2	2	2	3	3	3	4	4	5	5	5	5	4	3	3	2	2	2	2	2	3	3	3
	5	5	4	5	5	6	7	8	8	10	9	9	9	8	7	7	6	6	6	5	5	6	6	6
	WNW	WNW	NW	NW	N	NE	NE	ENE	NE	E	E	SSE	SE	ESE	ESE	E	ESE	ESE	NNE	NE	NE	ESE	ENE	NE
Greens Bayou	2	2	2	2	3	3	3	4	5	5	5	5	5	4	3	3	2	2	2	2	2	3	3	3
	4	4	4	5	6	6	7	8	8	10	9	9	9	7	7	7	6	5	5	5	5	6	6	6
	WNW	WNW	NW	NNW	NNE	ENE	ENE	ENE	E	E	E	SSE	SE	ESE	E	ESE	E	NE	NE	NE	NE	ENE	ENE	NE
Shell Crude	2	2	2	2	3	3	3	4	5	5	5	5	5	4	3	3	2	2	2	2	2	3	3	3
	5	4	4	5	6	6	7	8	8	9	9	9	9	7	7	7	6	6	6	5	5	6	6	6
	WNW	WNW	NW	NNW	NNE	ENE	ENE	ENE	E	E	E	SSE	SE	ESE	ESE	E	ESE	E	NE	NE	NE	NNE	ENE	NE
Lynchburg Ferries	1	1	1	2	2	3	3	3	4	5	5	5	4	3	3	2	2	2	2	2	2	2	2	3
	4	4	4	5	6	6	7	8	8	9	9	9	9	7	7	6	6	5	5	4	5	6	6	6
	NW	NW	NNW	NW	NNE	ENE	ENE	ENE	E	E	E	SSE	SE	ESE	E	E	E	E	NNE	NNE	NE	NNE	ENE	NE
Exxon 3	4	3	3	3	3	3	4	5	6	7	7	7	7	6	6	5	5	5	5	5	5	5	5	5
	6	6	6	6	6	7	8	9	10	11	10	10	10	9	9	8	7	7	7	7	7	7	8	8
	NW	NW	NNW	NNW	NNE	ENE	E	E	ESE	SE	ESE	SE	SSE	SE	ESE	ESE	E	ENE	NE	NE	NNE	ENE	NE	
Morgans Point	4	3	3	3	3	3	5	5	6	7	7	7	7	7	6	5	5	5	5	5	5	5	5	5
	6	6	6	6	6	7	8	9	10	11	11	10	11	9	9	8	7	7	7	7	7	7	8	8
	NW	NW	NNW	NNW	E	E	SE	E	ESE	SE	ESE	SE	SE	ESE	E	ESE	E	ENE	NE	NE	NNE	ENE	NE	
75/76	5	4	4	3	3	3	4	5	5	7	7	7	7	7	7	7	6	6	6	6	6	6	7	7
	7	7	6	6	7	7	8	9	10	11	11	10	11	10	10	9	8	8	9	9	9	9	9	10
	WNW	NW	NW	NW	E	ESE	ESE	SE	SSE	E	SE	SE	SE	ESE	ESE	ESE	ESE	E	E	ENE	NE	ENE	NE	
63/64	5	4	4	3	3	3	4	5	5	6	6	7	7	7	7	7	6	6	6	6	6	7	7	7
	7	7	6	6	6	6	7	8	9	11	10	10	11	10	10	9	9	9	9	9	9	9	10	10
	WNW	NW	NW	NW	E	ESE	ESE	SE	ESE	SSE	E	SE	SE	SE	ESE	ESE	ESE	ESE	E	E	ENE	ENE	ENE	
51/52	5	4	4	4	3	3	4	4	5	6	6	7	7	7	7	7	6	6	7	7	7	7	7	7
	7	7	6	6	6	6	7	8	9	11	10	10	10	10	10	9	9	9	9	9	10	10	10	11
	WNW	NW	NW	NW	NNE	E	ESE	SE	ESE	SSE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	E	E	E	E	E
37/38	5	5	4	4	3	3	4	4	5	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7
	7	7	6	6	6	6	7	8	8	10	10	10	10	10	10	9	9	9	9	10	10	10	10	11
	WNW	NW	NW	NW	NW	ESE	ESE	SE	ESE	SSE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	E	E	E	E
25/26	5	4	4	4	4	4	4	4	5	6	7	7	7	7	7	7	6	6	7	7	7	7	7	7
	7	7	6	6	6	6	7	8	8	10	10	10	10	10	9	9	9	9	9	10	10	10	10	11
	WNW	NW	NW	NW	NNW	ESE	ESE	SE	ESE	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	E	E	E	E
11/12	4	4	4	4	4	4	5	5	5	6	6	7	6	6	6	6	6	6	6	6	6	7	7	7
	7	6	6	6	6	6	7	8	8	10	9	9	10	9	10	9	9	9	9	10	10	10	11	11
	WNW	NW	NW	NW	NNW	SE	SE	SE	ESE	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E	E	E
1 & 2 Bravo	5	5	5	4	4	3	3	4	5	5	6	6	7	7	7	7	7	7	7	7	7	8	8	9
	7	7	7	7	6	6	6	7	8	9	9	9	10	10	10	10	10	11	11	11	11	12	12	13
	NW	WNW	NW	NW	N	ESE	ESE	SE	ESE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E	E	E

NOTE: This is automated data that may/may not agree with the official BAM thinking that's found on the daily slides. This data should be used as a guide only.

Houston Pilots: Sat. 7/6/2024



Forecast Discussion

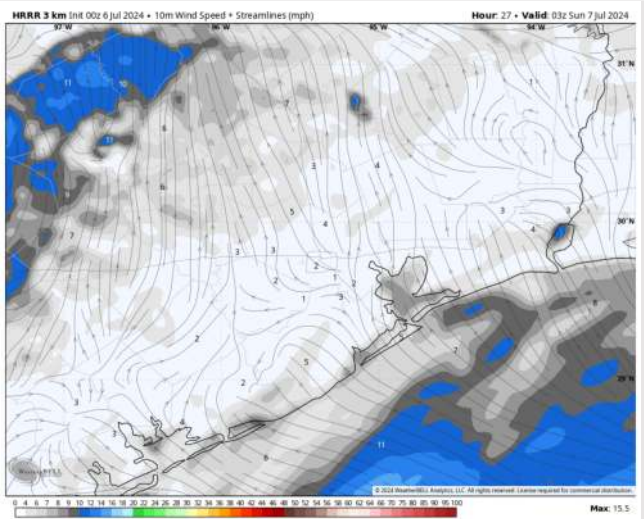
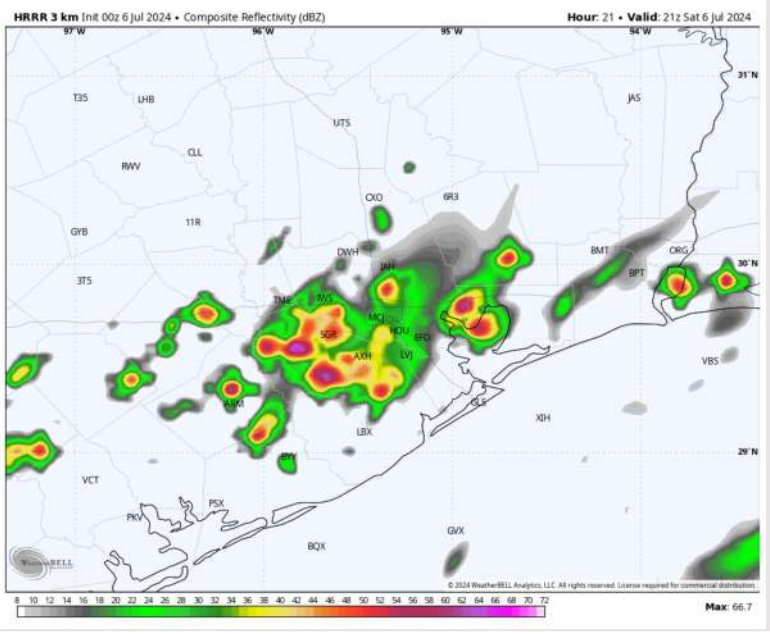
Precip: A few hit/miss shower chances will be possible this morning. From 1-7 PM more scattered/widespread shower and storm chances will be around the area, with dry conditions after ~7 PM. **Wind gusts of 25-35 kts possible with strongest storms.**

Wind: Winds will remain fairly variable throughout most of the day, settling out of the SE ~9 PM. **N of Morgan's Point:** Winds at 3-8 kts throughout the day. **S of Morgan's Point:** Winds at 5-10 kts throughout the day.

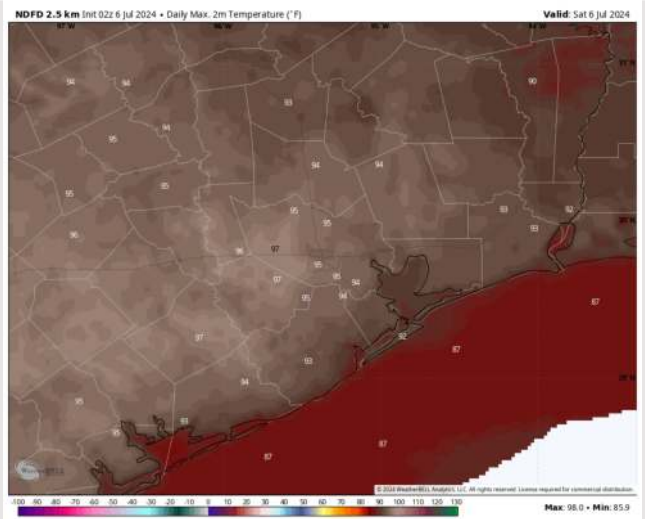
High Temps: **N of Morgan's Point:** Mid 90s F. **S of Morgan's Point:** Low 90s F.

Visibility: Not anticipating any fog concerns for today.

Precip Image: 4 PM CT



Wind Speed:
10 PM CT



High Temps
Today

Houston Pilots: Sun. 7/7/2024



Forecast Discussion

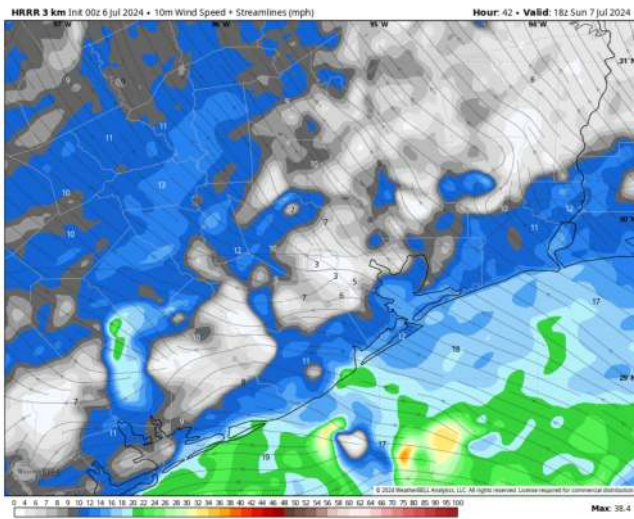
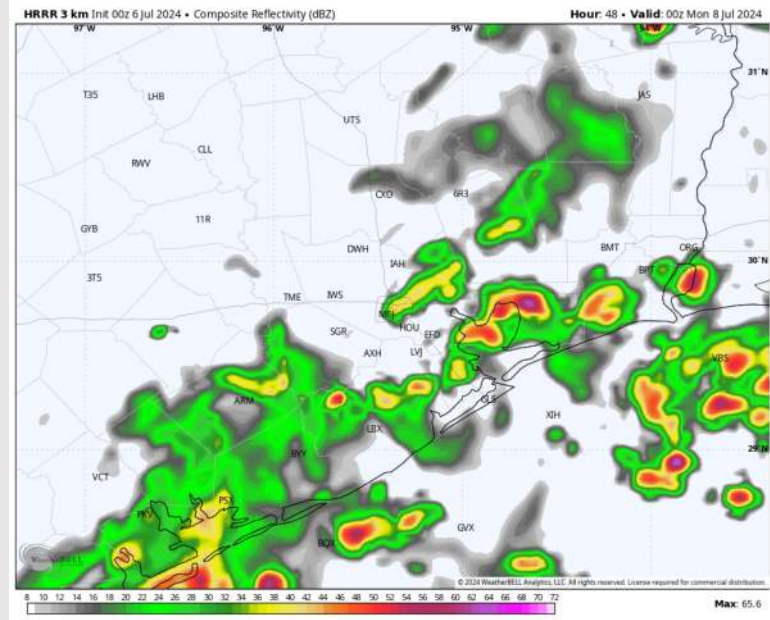
Precip: A few isolated bands of precip scattered showers/storms from Beryl will be possible in the AM to early PM hours, with more widespread rains likely not working in until ~5 PM. **Tornadoes will be possible with any strong storms!**

Wind: Winds will be out SE throughout the day. **N of Morgan's Point:** Winds at 3 – 8 kts through the AM, increasing to 8– 13 kts after 12 PM. **S of Morgan's Point:** Favoring winds 10-15 kts in the AM, then winds increase to 20 - 25 kts after 10 AM. **Wind gusts of 25-35 kts S of Morgan's Point will be possible after 7 PM CT**

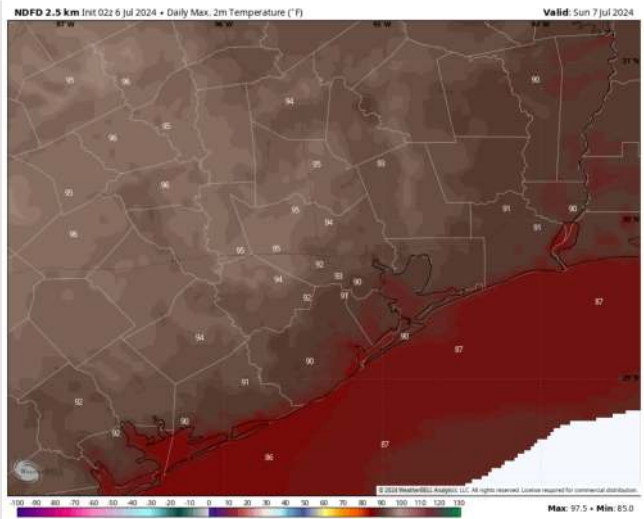
High Temps: **N of Morgan's Point:** Low 90s F. **S of Morgan's Point:** Upper 80s F.

Visibility: Fog is not favored for SUN however heavier downpours can result in reduced visibilities.

Precip Image: 7 PM CT



Wind Speed
1 PM CT



High Temps
Sunday

Houston Pilots: Mon. 7/8/2024



Forecast Discussion

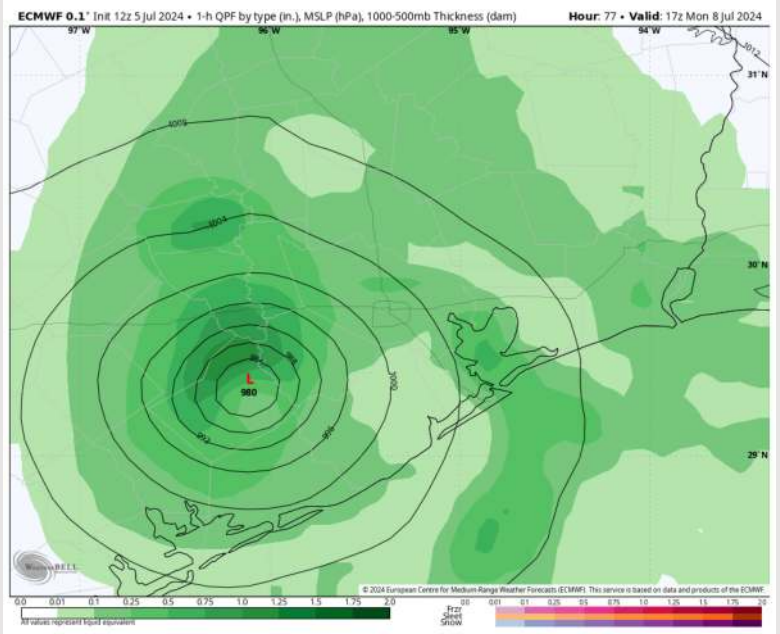
Precip: Anticipating widespread moderate/heavy rain associated with Tropical Storm Beryl to work throughout the area all of MON. See tropical slide(s) above for more in on exact timing/impacts related to Beryl.

Wind: Winds will be out of the SE through ~8 PM before shifting to being out of the South. **N of Morgan's Point:** Winds start at 13-18 kts and gradually increasing throughout the day. **Wind peak at 25-35 kts from 2-8 PM CT, gradually calming afterwards.** **S of Morgan's Point:** Winds begin at 25-30 kts, gradually increasing to 33-38 kts by 1 PM. Winds continue at this rate through ~7 PM CT before gradually decreasing. **Wind gusts of 30-35+ kts will be prevalent at ALL STATIONS MON. Peak gusts of 45-55 knots will be possible at the Boarding Station.**

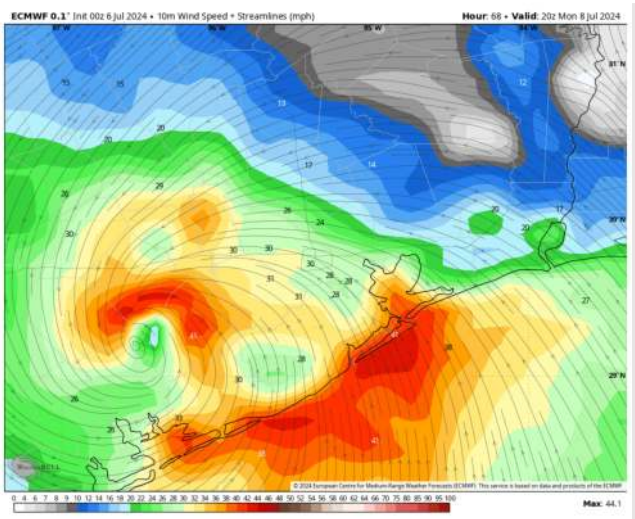
High Temps: **N of Morgan's Point:** High 80s F. **S of Morgan's Point:** High 80s F.

Visibility: Reduced visibilities will be present MON associated with heavy rainfall.

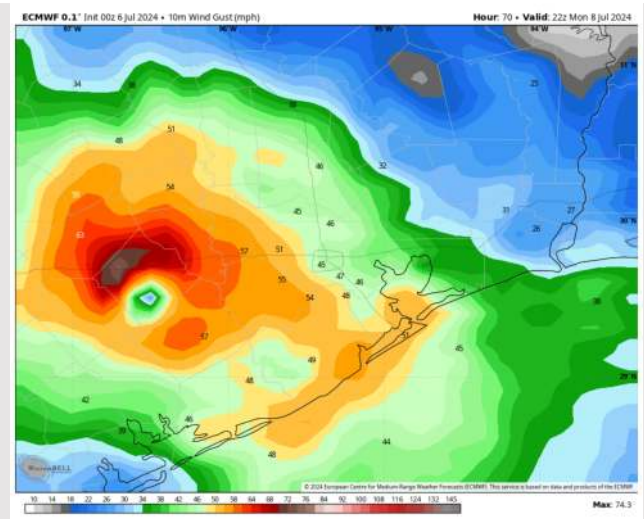
Precip Image: 1 PM CT



Wind Speed:
3 PM CT



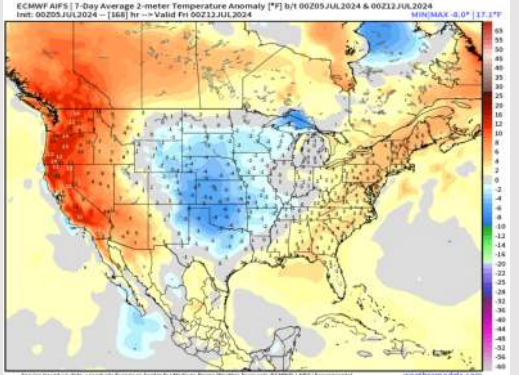
Wind Gusts:
5 PM CT



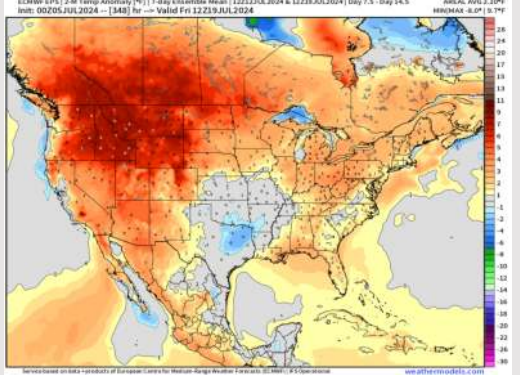
Houston Pilots: 7/6/24



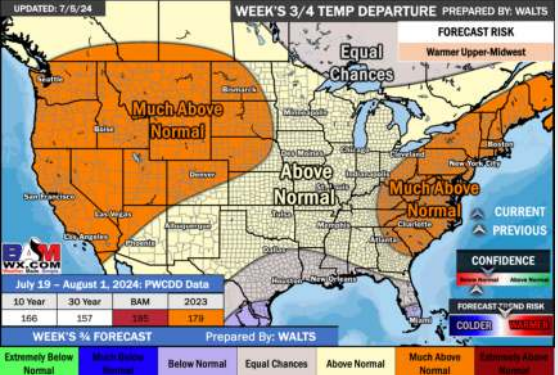
Next 7 Day Temperature Departure



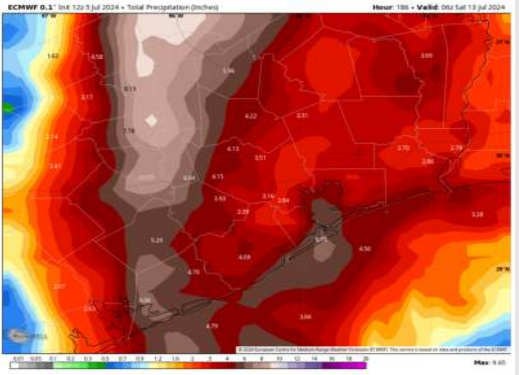
8-14 Day Temperature Departure



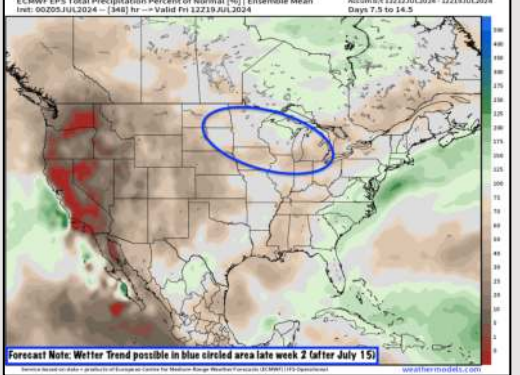
15-30 Day Temperature Departure



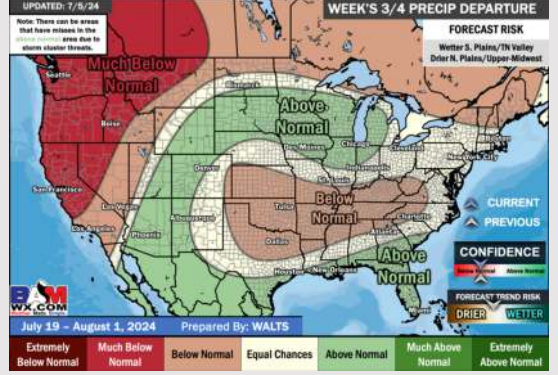
Next 7 Day Total Precipitation



8-14 Day % of Average Precip.



15-30 Day % of Average Precip.



- Temps are expected to be slightly above normal for the week 1 timeframe. Heavy Rainfall associated with Tropical Storm Beryl will work through MON/TUE.
- Models are favoring slightly below normal precipitation for the week 2 timeframe. Near normal temperatures are favored for week 2.
- Above normal chances for precipitation and near normal temperatures are favored in the weeks 3/4 timeframe.