

Houston Pilots Forecast Package



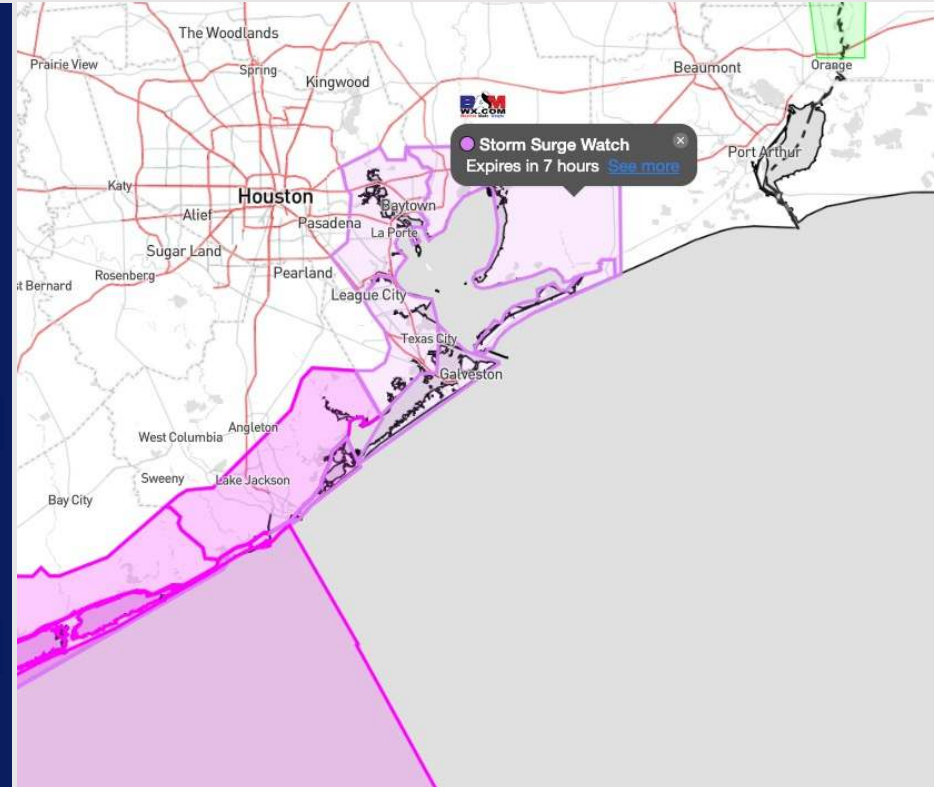
Updated: 10:45 PM CT

Friday, July 5, 2024

Forecaster: Jonathan Kipper

Weather Headlines

- Scattered showers/storms will be present across the area this weekend, with widespread rain chances moving in Late SUN PM and MON
- Calmer winds are expected through SUN PM before increasing due to Tropical Storm Beryl SUN PM and MON.
- Monitoring Tropical Storm Beryl that moving across the Gulf of Mexico. See graphics below for latest thinking!
- [Hurricane Beryl Video Update 7/5](#)



Current Radar: 10:30 PM 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 Wave Height Update



| Port Condition | 34 KTS+ Sustained Winds | 6 Foot Waves | Time Remaining/Trigger End |
|----------------|-------------------------|--------------|----------------------------|
| Victor | No | N/A | N/A |
| Whiskey | IN EFFECT | N/A | 6 AM CT SAT |
| X-Ray | 6 AM CT SAT | 6 AM CT SAT | 6 AM CT SUN |
| Yankee | 6 AM CT SUN | 6 AM CT SUN | 6 PM CT SUN |
| Zulu | 6 PM CT SUN | 6 PM CT SUN | 9 PM CT MON |

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

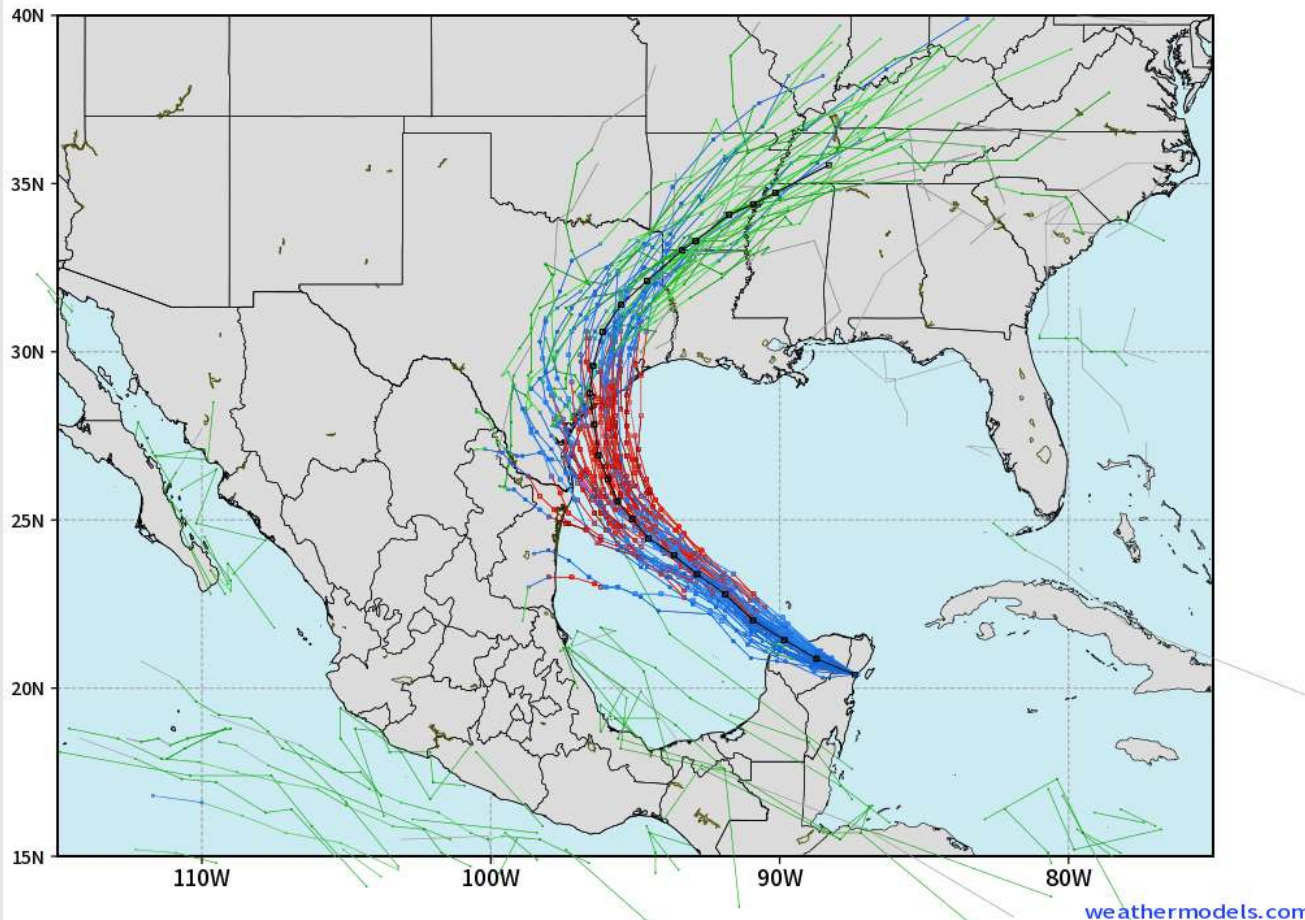
NOTES: As of FRI PM, Tropical Beryl has just crossed into the Gulf of Mexico and will gradually intensify back into a hurricane this weekend. This storm is expected to push WNW across the Gulf through MON morning, where it will then track into S. TX N of Corpus Christi. Although noting slight N/E trends with storm track, not anticipating direct impacts to Houston/Galveston at this time. Wave heights expected to be near 6 ft on Monday with winds above 34+ kt threshold.

Houston Pilots Tropical Update

European Model Next 10 Days - Tropical Tracks

ECMWF GULF EPS Cyclone Locations --> Next [10-days]
INIT: 12Z05JUL2024 --> UNTIL 12Z15JUL2024

o-o ENSEMBLE MEAN
o-o 1000 - 1010 hPa
o-o 980 - 999 hPa
o-o 960 - 979 hPa
o-o 950 - 959 hPa
o-o < 950 hPa



Tropical Storm Beryl has worked across the Yucatan and currently resides in the Gulf of Mexico. (See Next Slide for More Info).

We are noticing slight N/E trends with the latest data, now expecting landfall between Corpus Christi and Houston MON AM.

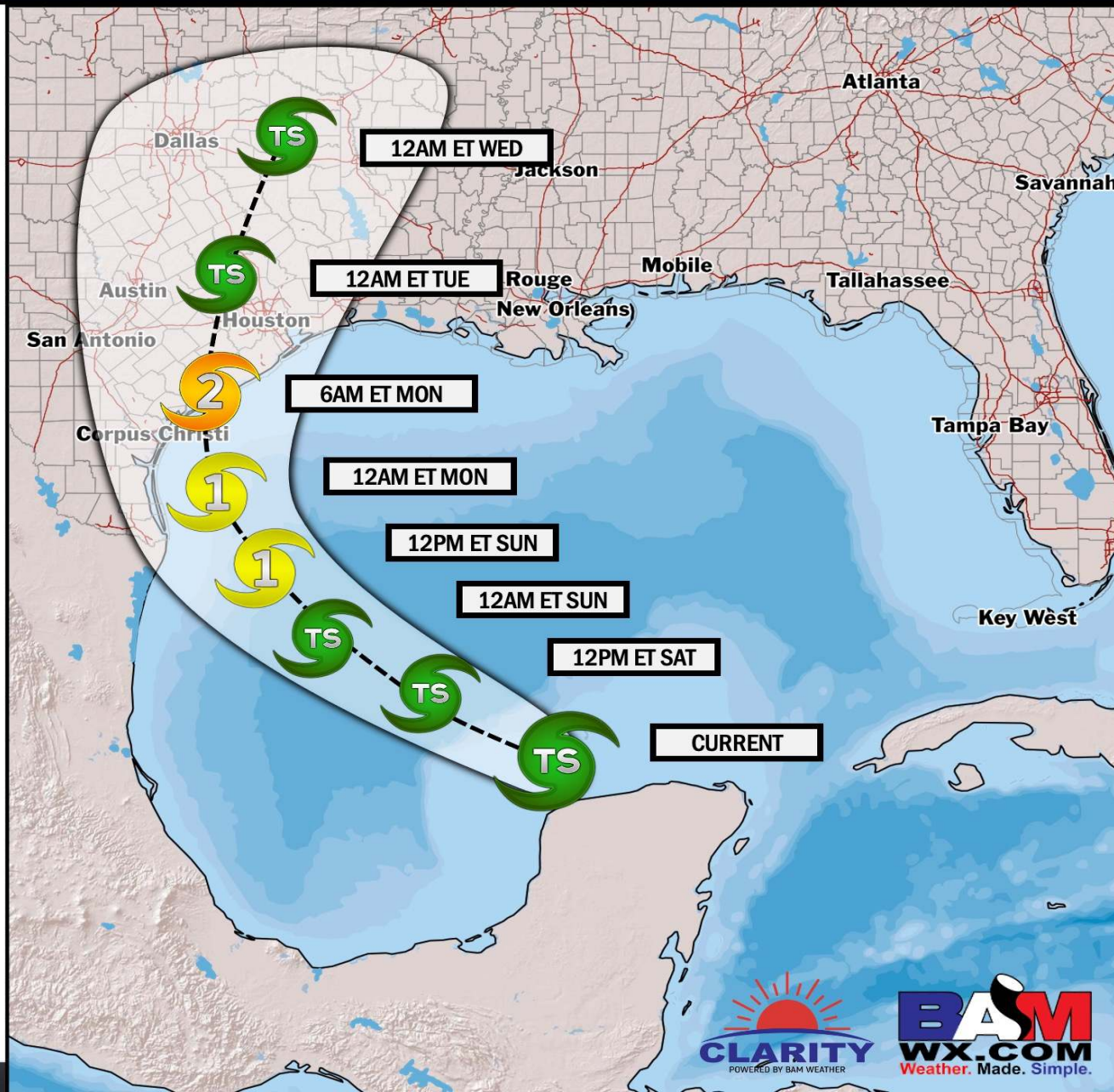
Whiskey port conditions have been triggered as Tropical Storm Beryl continues to push into the Gulf of Mexico.

TROPICAL STORM BERYL OUTLOOK

FORECASTER: KIPPER

UPDATED: 7/5/24 10:30 PM CT

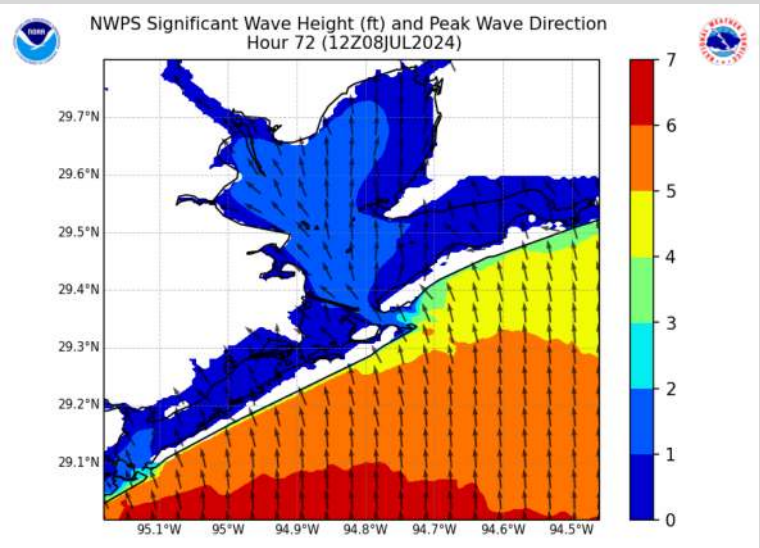
July 5th – July 10th, 2024



Houston Pilots Wave Height Update

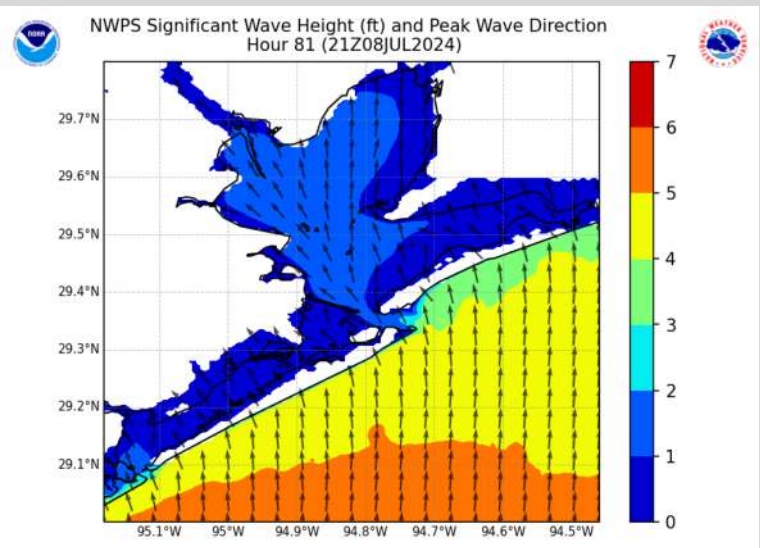


Significant Wave Height Image



7 AM CT MON

As Tropical Storm Beryl approaches the TX Coast, expecting wave heights near the Boarding Station to increase to at/slight above 6 ft. MON morning.



4 PM CT FRI

Wave heights near 6 ft. will continue towards the Boarding Station throughout the day on MON, decrease to at/below 5 ft by 4 PM CT MON and gradually decreasing the rest of the day.

Houston Pilots Visibility Chart (miles)



Forecast Confidence



| Time | Fri 11pm | Sat 12am | Sat 1am | Sat 2am | Sat 3am | Sat 4am | Sat 5am | Sat 6am | 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 |
|-------------------|----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| 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



Sustained wind 13 Knots
Gusts 18 Knots
Wind from the N

Example

WS: 13
G:18
N

| Time Knots | Fri 11pm | Sat 12am | Sat 1am | Sat 2am | Sat 3am | Sat 4am | Sat 5am | Sat 6am | 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 |
|-------------------|----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| 610 Bridge | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 3 |
| | 7 | 6 | 7 | 6 | 6 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 6 | 7 | 8 | 8 | 10 | 10 | 10 | 10 | 9 | 8 | 8 |
| Kinder 1 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 3 |
| | 7 | 6 | 6 | 6 | 6 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 6 | 7 | 8 | 8 | 10 | 10 | 10 | 10 | 9 | 8 | 8 |
| Greens Bayou | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 3 |
| | 6 | 6 | 6 | 6 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 6 | 7 | 8 | 8 | 10 | 10 | 10 | 10 | 9 | 8 | 8 |
| Shell Crude | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 3 | 3 | 3 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 3 |
| | 6 | 6 | 6 | 6 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 6 | 7 | 8 | 8 | 10 | 10 | 10 | 10 | 9 | 8 | 8 |
| Lynchburg Ferries | 3 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 3 | 3 | 3 | 3 | 4 | 5 | 5 | 5 | 5 | 4 | 3 | 3 |
| | 6 | 6 | 6 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 6 | 7 | 8 | 8 | 10 | 10 | 10 | 10 | 9 | 8 | 7 |
| Exxon 3 | 6 | 5 | 5 | 5 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 6 |
| | 8 | 8 | 8 | 6 | 6 | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 7 | 8 | 10 | 10 | 12 | 12 | 12 | 12 | 11 | 10 | 10 | 9 |
| Morgans Point | 6 | 5 | 5 | 5 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 |
| | 8 | 8 | 8 | 7 | 6 | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 10 | 10 | 12 | 12 | 12 | 12 | 11 | 10 | 9 |
| 75/76 | 7 | 6 | 6 | 5 | 5 | 5 | 5 | 4 | 5 | 4 | 4 | 4 | 3 | 3 | 4 | 5 | 6 | 7 | 7 | 7 | 8 | 8 | 7 | 7 |
| | 9 | 9 | 8 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 6 | 7 | 7 | 7 | 8 | 10 | 10 | 12 | 12 | 12 | 11 | 11 | 11 | 10 |
| 63/64 | 7 | 6 | 6 | 5 | 5 | 5 | 5 | 4 | 5 | 4 | 4 | 4 | 3 | 3 | 4 | 5 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 9 | 9 | 8 | 7 | 7 | 8 | 7 | 6 | 7 | 6 | 6 | 7 | 7 | 7 | 9 | 10 | 11 | 12 | 12 | 12 | 11 | 11 | 11 | 10 |
| 51/52 | 7 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 9 | 9 | 8 | 8 | 7 | 8 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 9 | 9 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 10 |
| 37/38 | 7 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 9 | 8 | 8 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 8 | 9 | 11 | 11 | 11 | 11 | 11 | 10 | 11 | 10 |
| 25/26 | 6 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 9 | 8 | 8 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 10 | 11 | 11 | 11 | 11 | 10 | 11 | 10 |
| 11/12 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 8 | 8 | 8 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 10 | 11 | 11 | 11 | 10 | 10 | 11 | 10 |
| 1 & 2 Bravo | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 5 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 9 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 7 | 6 | 6 | 7 | 8 | 10 | 10 | 11 | 11 | 11 | 11 | 11 |
| | SSW | S | SSW | SSW | SW | SW | W | WNW | WNW | WNW | WNW | NW | NW | NNW | ESE | SE | SSE | SSE | SSE | SE | SE | ESE | E | E |

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Houston Pilots: Sat. 7/6/2024



Forecast Discussion

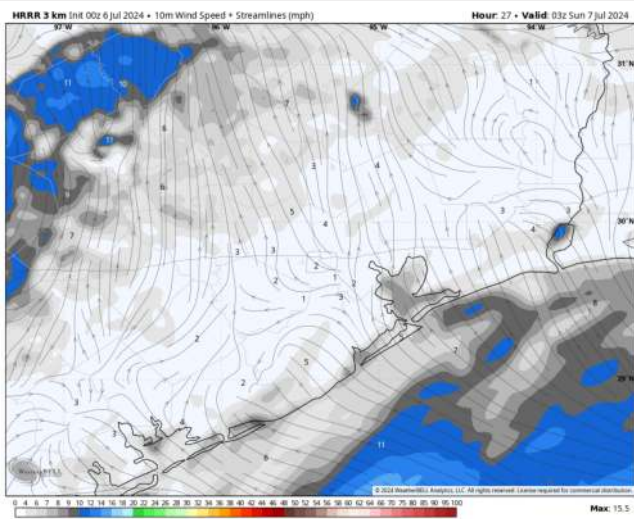
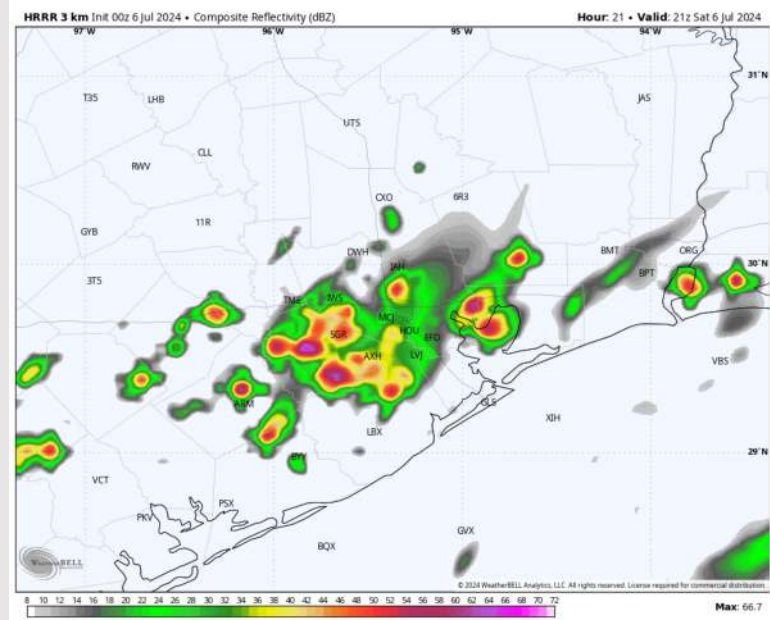
Precip: A few hit/miss shower chances will be possible in the AM hours. From 12-9 PM more scattered/widespread shower and storm chances will gradually push from the Boarding Station to the North, with dry conditions after 9 PM. **Wind gusts of 25-35 kts possible with strongest storms.**

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.

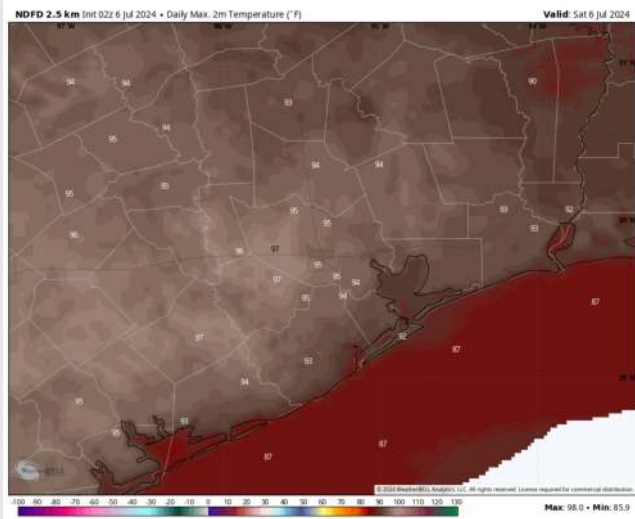
High Temps: **N of Morgan's Point:** Mid 90s F. **S of Morgan's Point:** Low 90s F.

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

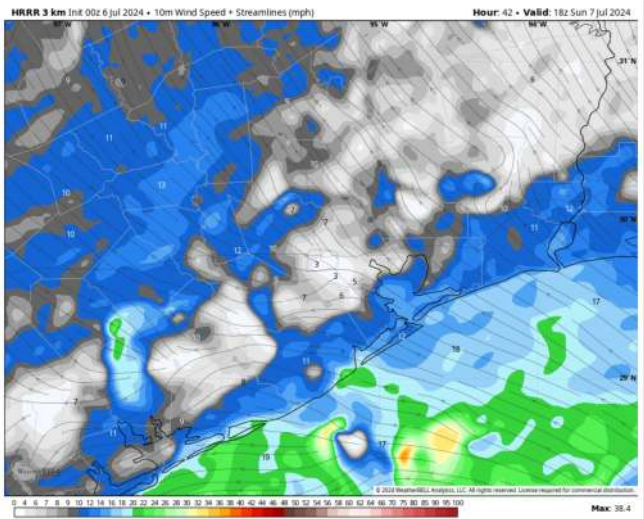
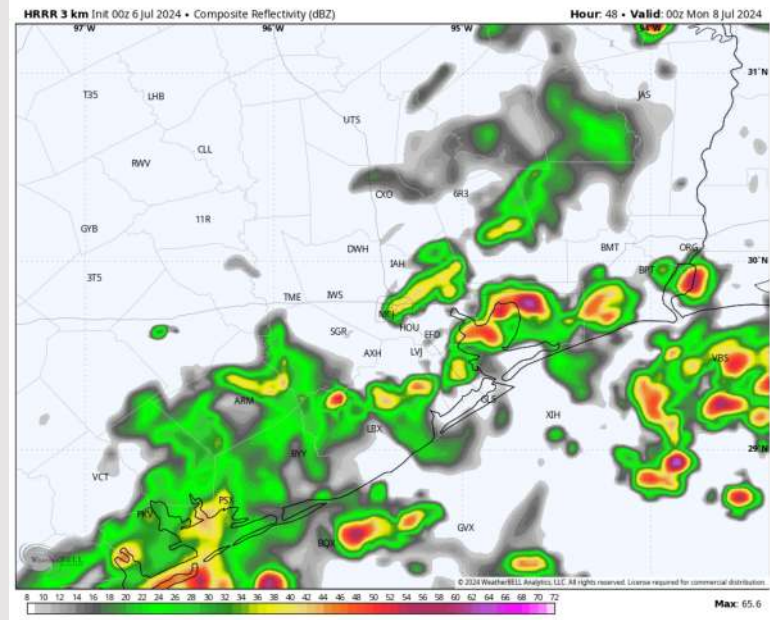
Precip: Isolated showers will work through the area during the AM hours on SUN. After 12 PM, coverage will increase to being scattered/widespread with showers/storms the rest of SUN.

Wind: Winds will be out ESE 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 at 8 – 13 kts, then winds increase to 18 – 23 kts after 10 AM. **Wind gusts of 25-35 kts S of Morgan's Point will be possible after 7 PM CT**

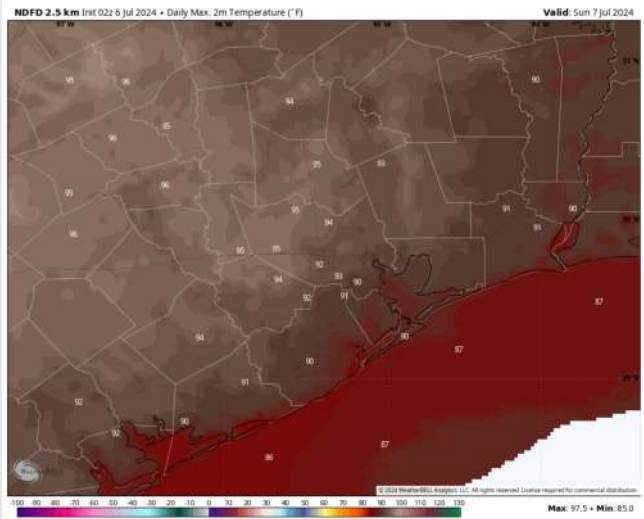
High Temps: **N of Morgan's Point:** Low 90s F. **S of Morgan's Point:** Upper 80s F.

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

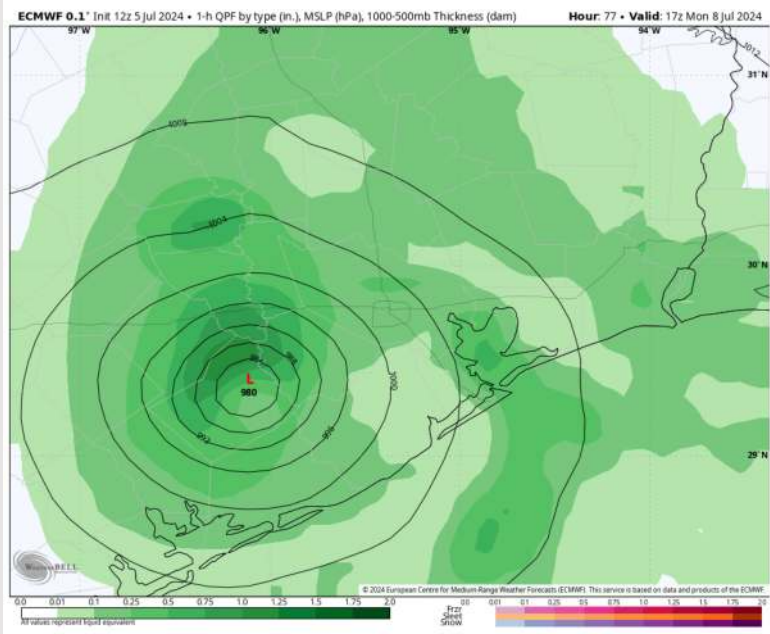
Precip: Anticipating widespread moderate/heavy rain associated with Tropical Storm Beryl to work throughout the area all of MON. See tropical slide(s) above for more in on exact timing/impacts related to Beryl.

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 35-45 kts from 2-8 PM CT, gradually calming afterwards.** **S of Morgan's Point:** Winds begin at 25-30 kts, gradually increasing until reaching peaks of 40-50 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 55-65 kts will be possible from 1-8 PM CT.**

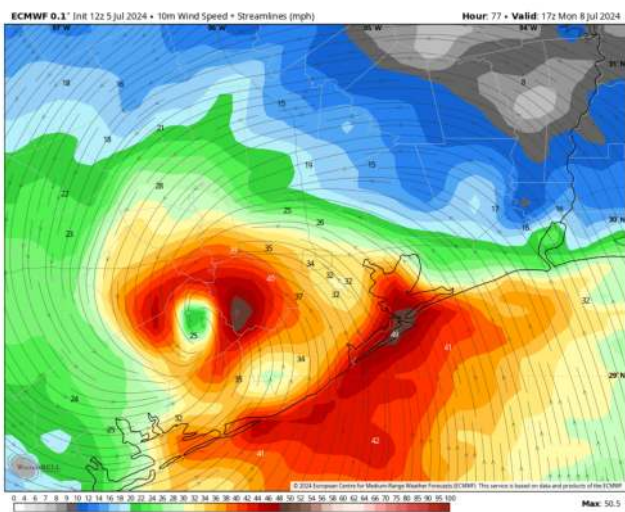
High Temps: **N of Morgan's Point:** High 80s F. **S of Morgan's Point:** High 80s F.

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

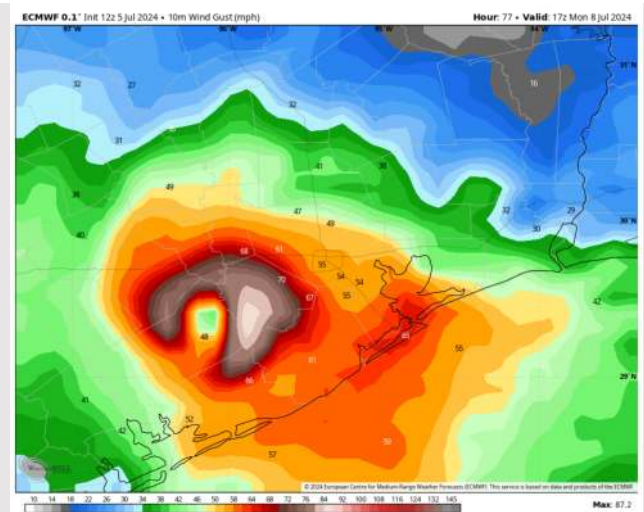
Precip Image: 6 PM CT



Wind Speed:
6 PM CT



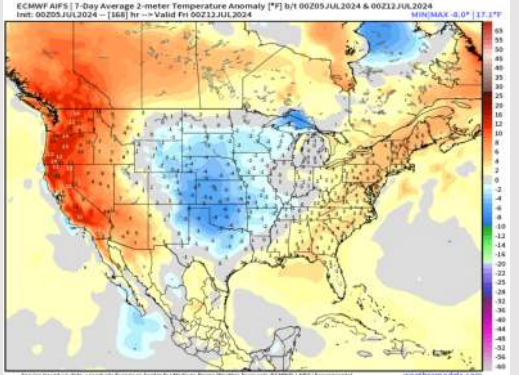
Wind Gusts:
6 PM CT



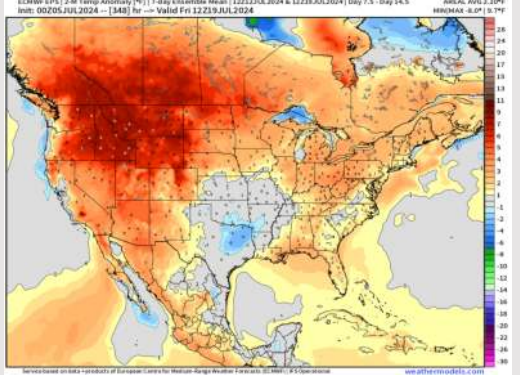
Houston Pilots: 7/5/24



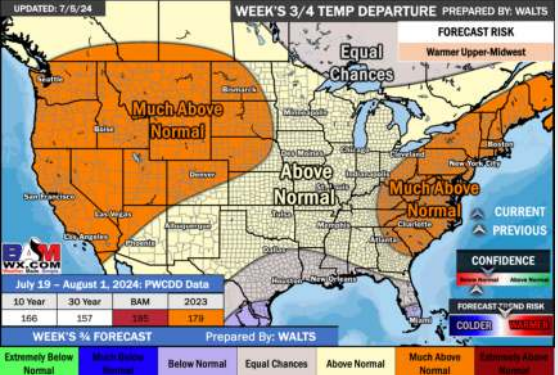
Next 7 Day Temperature Departure



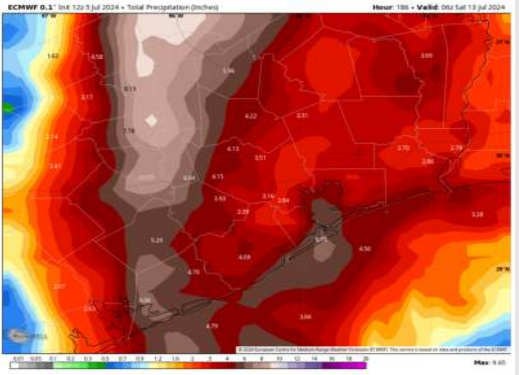
8-14 Day Temperature Departure



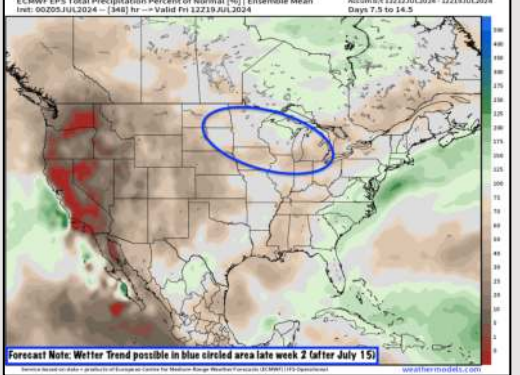
15-30 Day Temperature Departure



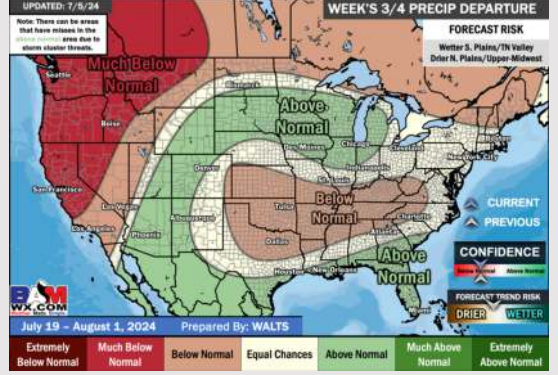
Next 7 Day Total Precipitation



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.