

# Houston Pilots Forecast Package

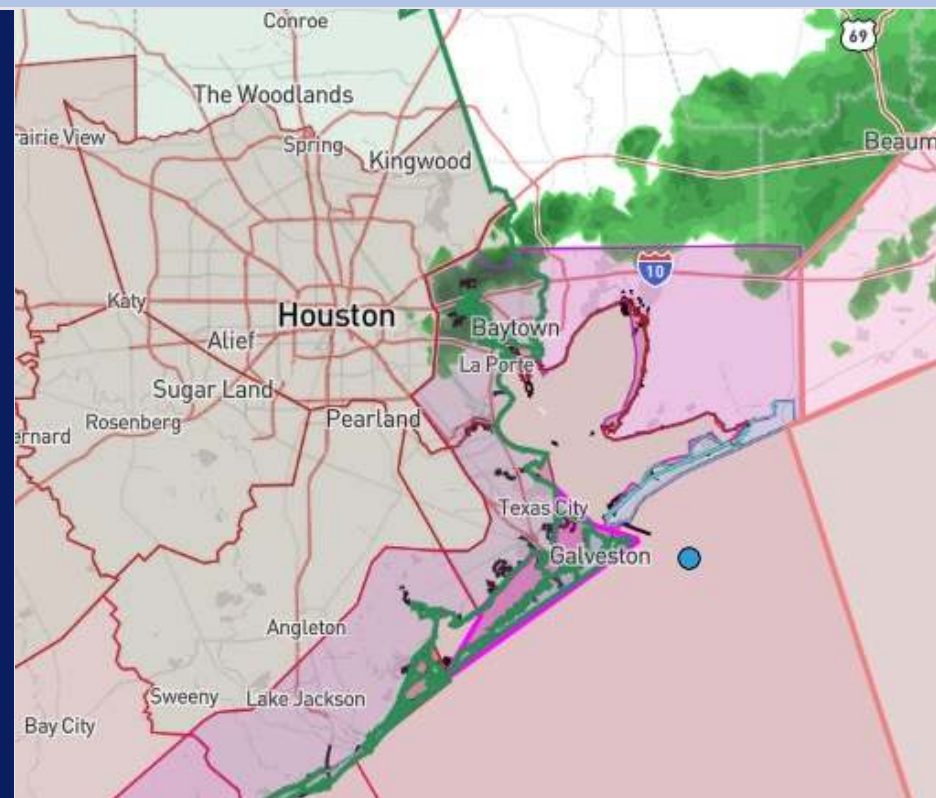


Updated: 6:00 AM CT  
Sunday, July 7, 2024

Forecaster: Vince Bryan

## Weather Headlines

- [Beryl Video \(click here\) 6AM Sun 7/7/24](#)
- Storm Surge **Warning** of 3-5 feet is in effect.
- A **Hurricane Warning** is now in effect for the Boarding Station.
- **Yankee Port Conditions are in effect, with Zulu being reached later this AM** (see Trigger slide below).
- Calmer winds are expected through this afternoon before increasing due to Tropical Storm Beryl this evening into MON.
- **The worst conditions (winds and waves) will come 3AM – 3 PM Monday (more on timing slide below).**



Current Radar: 6:00 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.

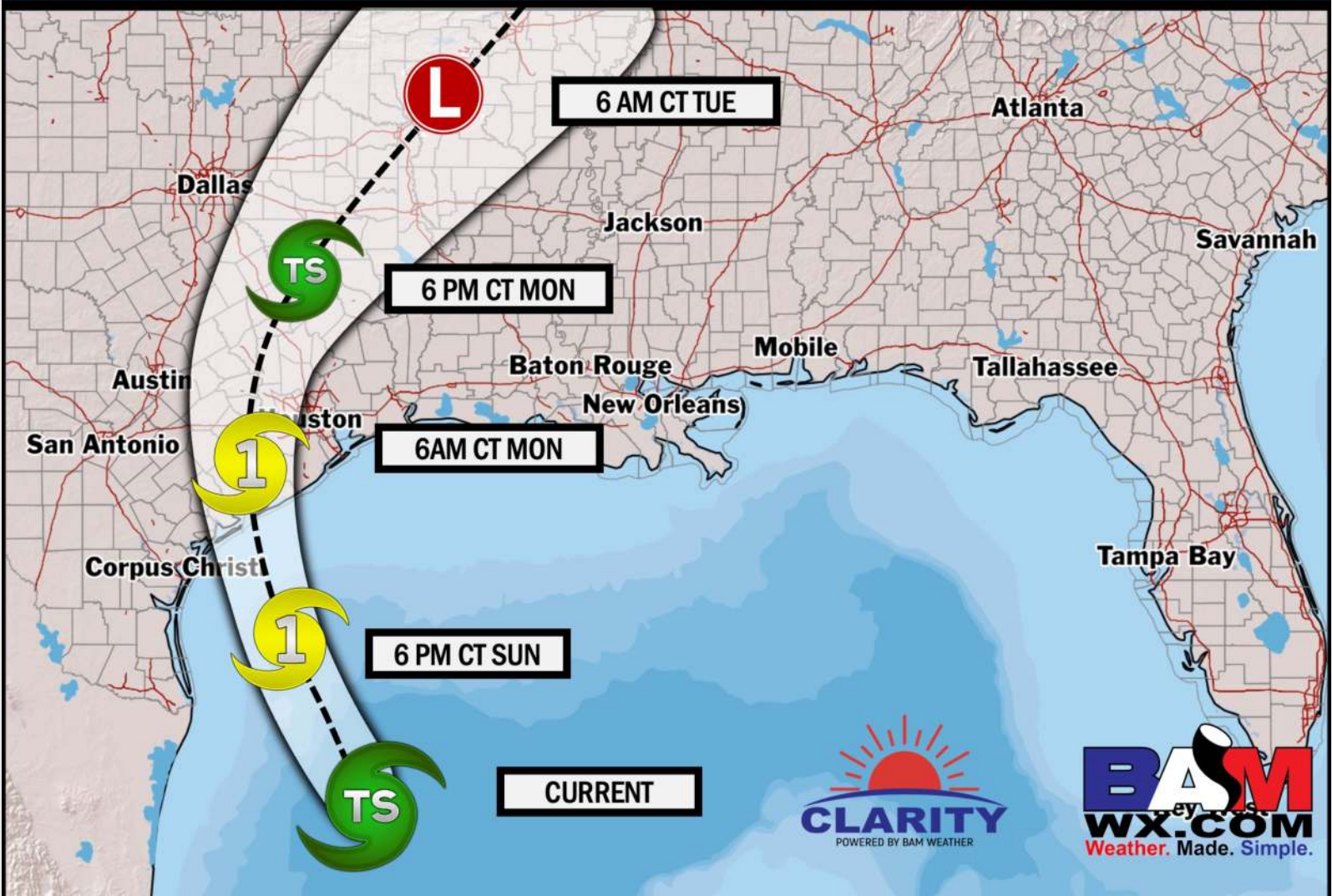
# Houston Pilots Tropical Update

## TROPICAL STORM BERYL OUTLOOK

FORECASTER: Bryan

July 7<sup>th</sup> - July 9<sup>th</sup>, 2024

UPDATED: 7/7/24 5:30 AM CT



# Houston Pilots Tropical Update



## BOARDING STATION MAIN TAKEAWAYS

**Wind Direction:** Consistently out of the SE SUN through MON AM, before coming out of the S by 2 PM MON, and then out of the SW from 6 PM MON through TUE.

**Wind Timing:** Highest winds likely come 4 AM MON to 2 PM MON.

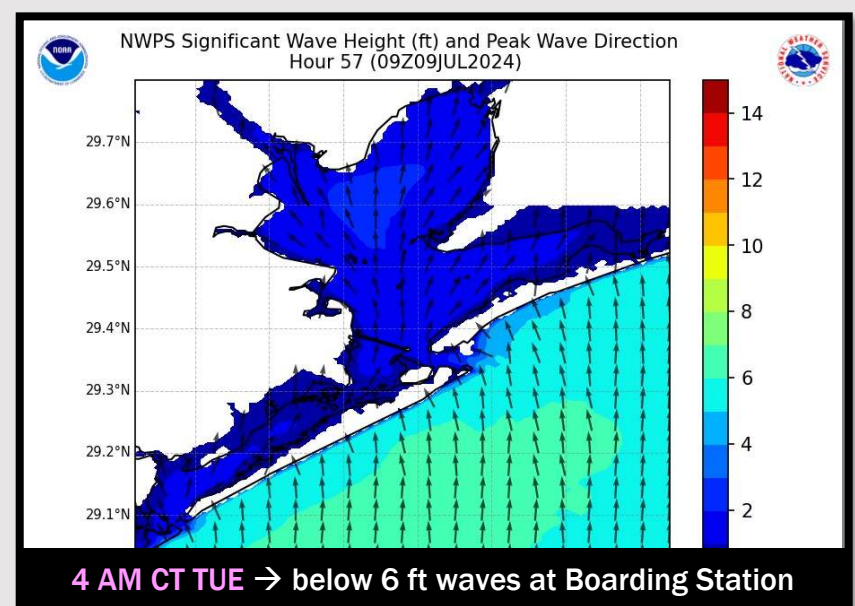
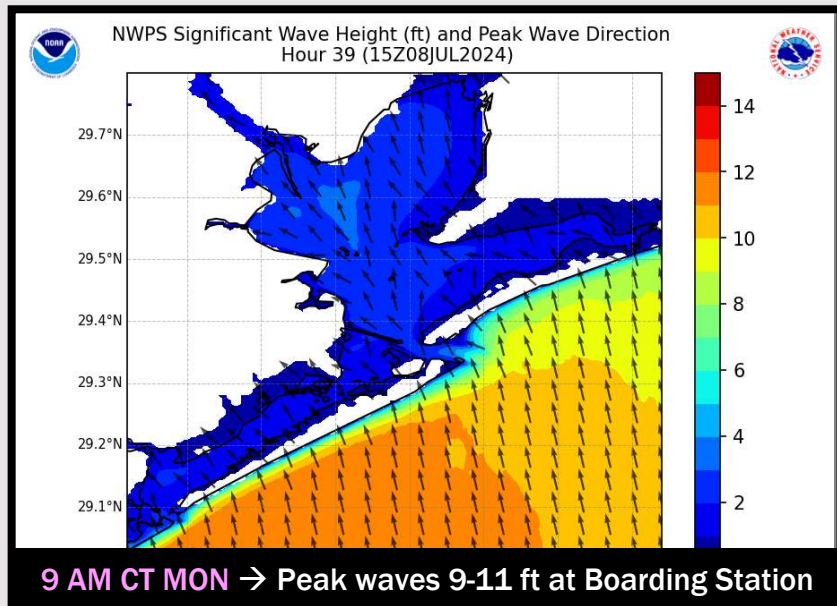
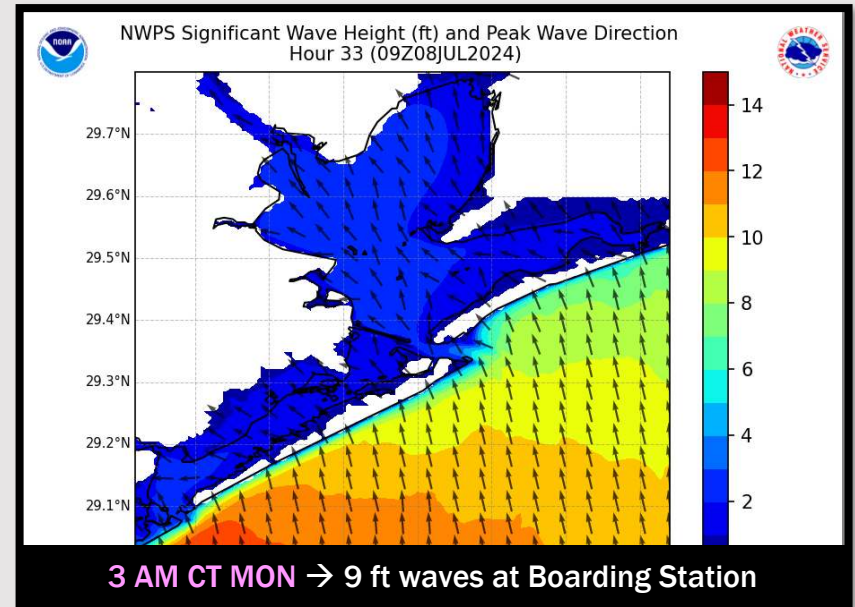
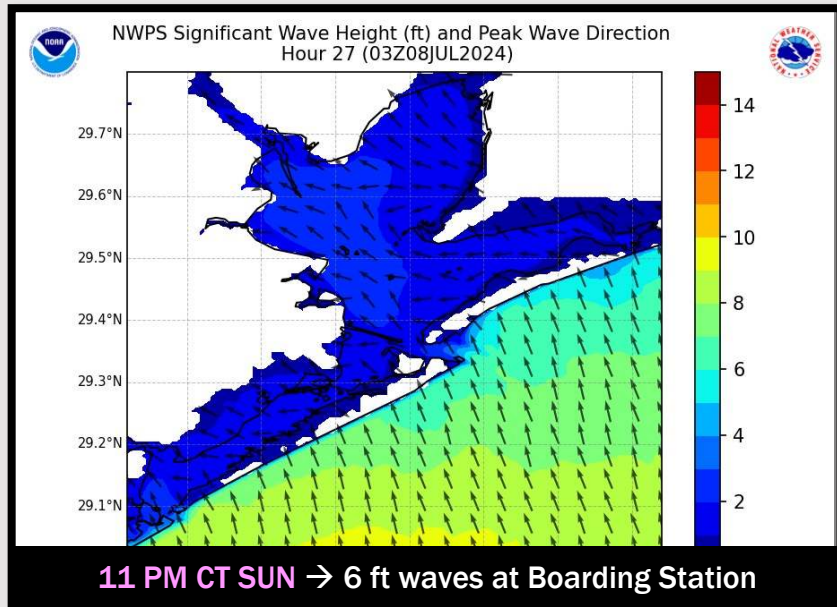
**Wind Speed Max:** 35 - 45 knots possible.

**Wind Gust Max:** 50 - 60 knots possible.

**Wave Heights:** Wave heights of 9-11 feet will be possible at the boarding station between **3 AM - 3 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	Past This Trigger	Past This Trigger	Ended
Yankee	Current	Current	11 AM CT SUN
Zulu	11 AM CT SUN	11 AM CT SUN	4 AM CT TUE

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	PAST
Yankee	24 hours prior to predicted sustained winds of 34+ KTS or 6' wave height	YES
Zulu	12 hours prior to predicted sustained winds of 34+ KTS or 6' wave height	No

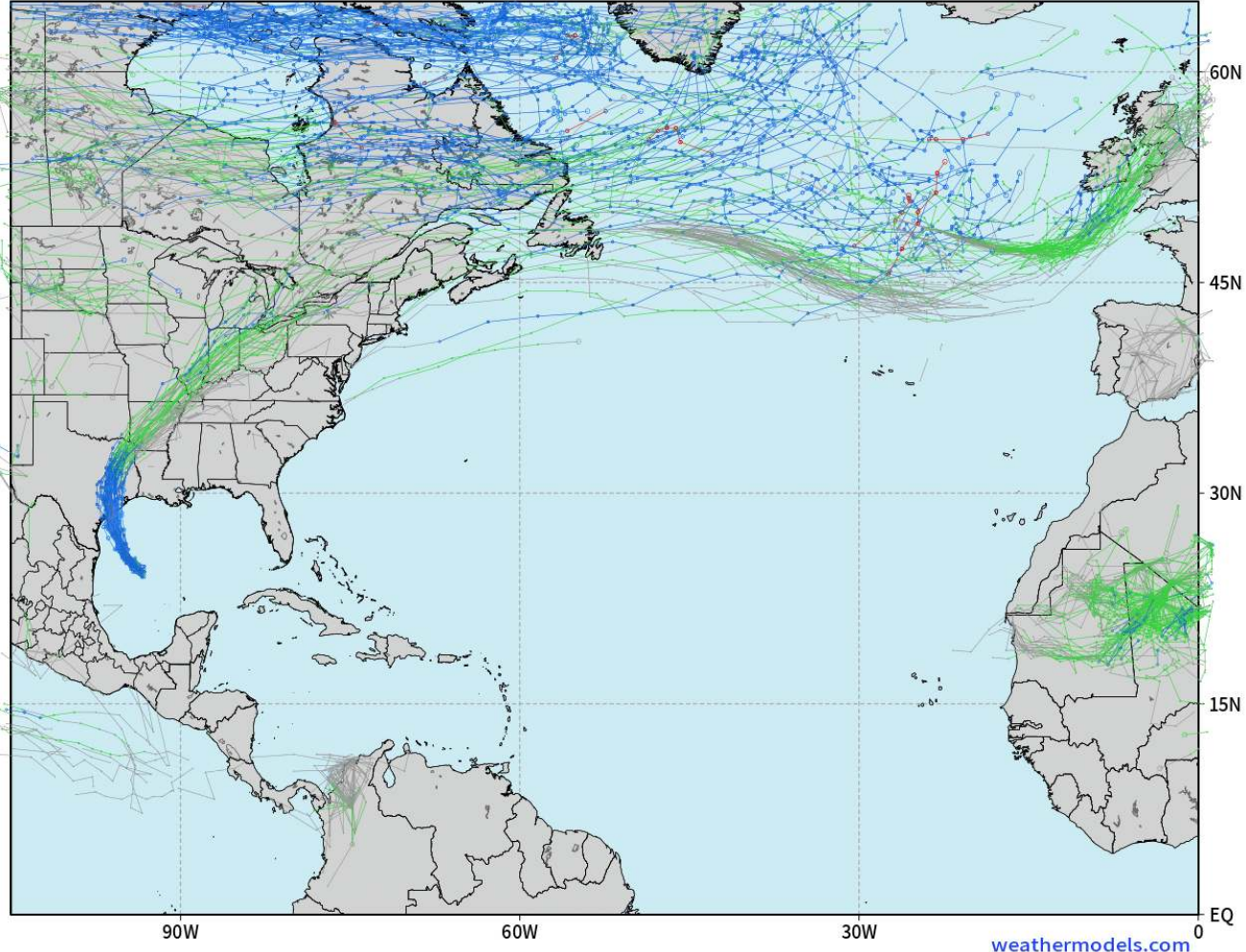
**NOTES:** As of Sunday Morning, Zulu port conditions will be reached at 11 AM CT SUN as 6 feet waves will be possible at the boarding station starting 11 PM CT SUN. The worst of conditions will be present early Monday morning through mid afternoon Monday.

# Houston Pilots Tropical Update

## European Model Next 10 Days - Tropical Tracks

ECMWF EPS | Cyclone Locations --> Next [10-days]  
FORECAST INIT: 00Z07JUL2024 --> UNTIL 00Z17JUL2024

o-o > 1005 hPa  
o-o 1000 - 1005 hPa  
o-o 980 - 999 hPa  
o-o 960 - 979 hPa  
o-o 950 - 959 hPa  
o-o < 950 hPa



After Tropical Storm Beryl moves out of the area Monday (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	Sun 6am	Sun 7am	Sun 8am	Sun 9am	Sun 10am	Sun 11am	Sun 12pm	Sun 1pm	Sun 2pm	Sun 3pm	Sun 4pm	Sun 5pm	Sun 6pm	Sun 7pm	Sun 8pm	Sun 9pm	Sun 10pm	Sun 11pm	Mon 12am	Mon 1am	Mon 2am	Mon 3am	Mon 4am	Mon 5am
610 Bridge	10	6	9	10	10	10	4	10	9	9	9	6	7	10	9	10	6	9	6	7	7	7	8	9
Kinder 1	10	6	9	10	10	10	4	10	9	9	9	6	6	10	9	10	6	9	6	7	6	7	8	9
Greens Bayou	5	4	6	9	10	10	5	10	7	9	9	6	6	10	6	9	6	7	7	6	6	7	8	9
Shell Crude	4	4	6	7	10	10	5	10	7	9	9	6	6	6	6	7	6	6	6	6	6	6	6	8
Lynchburg Ferries	5	4	6	9	10	10	5	9	7	9	6	6	6	10	6	7	6	7	6	6	6	7	8	9
Exxon 3	4	4	6	7	10	10	5	9	7	9	6	6	6	6	6	7	6	6	6	6	6	6	6	8
Morgans Point	4	4	6	6	10	10	6	9	6	9	6	6	6	6	6	6	6	5	5	4	5	6	6	6
75/76	4	4	6	6	10	5	10	7	6	7	6	6	6	6	6	7	6	5	5	4	4	4	10	10
63/64	4	4	6	7	10	5	10	7	6	7	6	6	7	6	6	6	5	5	4	4	4	4	10	10
51/52	6	5	6	9	10	5	10	7	10	6	6	9	9	6	6	6	5	5	4	4	4	4	10	10
37/38	6	6	6	9	10	5	10	7	10	6	6	9	9	6	6	6	5	5	4	4	4	4	10	10
25/26	10	7	7	10	10	6	10	9	10	6	6	10	10	10	7	9	6	6	6	6	6	6	10	10
11/12	10	7	7	10	9	6	10	9	10	6	6	10	7	7	6	7	6	6	5	5	5	6	10	10
1 & 2 Bravo	10	7	7	9	6	6	9	6	10	6	6	6	7	6	6	6	6	5	5	5	5	5	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	Sun 6am	Sun 7am	Sun 8am	Sun 9am	Sun 10am	Sun 11am	Sun 12pm	Sun 1pm	Sun 2pm	Sun 3pm	Sun 4pm	Sun 5pm	Sun 6pm	Sun 7pm	Sun 8pm	Sun 9pm	Sun 10pm	Sun 11pm	Mon 12am	Mon 1am	Mon 2am	Mon 3am	Mon 4am	Mon 5am
<b>610 Bridge</b>	4 9 NE	4 9 NE	5 10 NE	5 11 ENE	6 13 ENE	7 14 ENE	8 16 E	9 17 ENE	9 19 E	10 20 E	11 21 E	11 22 E	11 22 ENE	11 22 ENE	11 23 E	12 24 ENE	13 24 E	13 26 E	13 27 E	14 27 E	15 29 E	15 30 E	16 31 E	17 33 ESE
<b>Kinder 1</b>	4 9 NE	4 9 NE	5 10 NE	5 11 ENE	6 13 ENE	7 14 ENE	8 16 E	9 17 ENE	9 19 E	10 20 E	11 21 E	11 22 E	11 22 ENE	11 22 ENE	11 23 E	11 24 ENE	12 24 E	13 26 E	13 27 E	14 27 E	15 29 E	15 30 E	16 31 E	17 33 ESE
<b>Greens Bayou</b>	3 8 NE	4 9 NE	5 10 NE	5 11 NE	6 13 ENE	7 14 ENE	8 16 E	9 17 ENE	9 18 E	10 19 E	10 20 E	11 21 E	11 21 ENE	11 22 ENE	11 22 ENE	11 24 E	12 24 E	13 26 E	13 27 E	13 27 E	14 29 E	15 30 E	15 31 E	17 33 ESE
<b>Shell Crude</b>	4 9 NE	4 9 NE	5 11 NE	5 12 NE	6 13 ENE	7 14 ENE	8 16 E	9 17 ENE	9 19 E	10 19 E	10 20 E	11 21 E	11 21 ENE	11 22 ENE	11 23 ENE	12 24 ENE	13 24 E	13 26 E	13 27 E	13 28 E	13 30 E	15 30 E	16 31 E	17 33 ESE
<b>Lynchburg Ferries</b>	3 8 NE	4 9 NE	5 10 NE	5 11 NE	6 13 ENE	7 14 ENE	8 15 E	9 17 E	9 18 E	10 19 E	11 20 E	11 21 ENE	11 21 ENE	11 22 ENE	11 22 E	11 23 E	12 24 E	13 26 E	13 26 E	13 27 E	14 29 E	15 30 E	15 31 E	17 33 ESE
<b>Exxon 3</b>	7 11 ENE	8 12 ENE	8 13 ENE	8 13 ENE	9 15 ENE	9 16 ENE	10 18 E	11 19 E	12 20 E	13 21 E	13 22 E	14 23 E	15 24 ENE	15 25 E	17 26 E	18 28 E	19 29 E	21 30 E	21 31 E	21 31 E	23 33 ESE	24 34 ESE	25 35 ESE	26 36 ESE
<b>Morgans Point</b>	7 11 NE	8 12 NE	8 13 NE	9 14 ENE	9 15 ENE	9 16 ENE	11 18 E	11 20 E	13 21 E	13 22 E	14 23 E	15 24 ENE	16 25 ENE	16 26 ENE	17 28 E	19 29 E	21 30 E	21 31 E	22 31 E	22 32 ESE	24 34 ESE	25 35 ESE	26 36 ESE	26 37 ESE
<b>75/76</b>	9 13 ENE	9 14 ENE	9 14 ENE	10 15 ENE	10 16 ENE	11 17 E	11 19 E	13 20 E	13 21 E	15 22 E	15 23 E	16 24 E	17 25 E	17 26 E	18 27 E	19 28 E	20 30 E	21 32 E	23 32 E	23 32 E	25 35 ESE	26 37 ESE	27 38 ESE	28 40 ESE
<b>63/64</b>	9 13 ENE	9 14 ENE	10 14 ENE	10 15 ENE	11 16 ENE	11 18 E	12 19 E	13 20 ENE	14 22 ENE	15 23 E	16 24 E	17 25 E	18 26 E	19 27 E	19 28 E	21 29 E	21 30 E	23 32 E	23 33 E	23 33 E	24 36 ESE	25 38 ESE	27 38 ESE	29 41 ESE
<b>51/52</b>	9 13 ENE	10 15 E	11 15 E	11 16 E	11 17 E	12 19 E	13 20 E	14 21 E	15 23 E	16 24 E	17 25 E	17 26 E	18 27 E	19 29 E	20 30 E	22 31 E	23 32 E	24 34 ESE	25 34 ESE	25 34 ESE	27 37 ESE	27 38 ESE	28 39 ESE	30 42 SE
<b>37/38</b>	10 14 E	10 15 E	11 16 E	11 17 E	12 18 E	13 19 ENE	13 21 E	14 21 E	15 23 E	16 24 E	17 25 E	17 26 E	19 27 E	19 28 E	21 29 E	22 31 E	22 32 ESE	23 33 ESE	24 34 ESE	24 34 ESE	26 37 ESE	27 38 ESE	27 40 ESE	30 42 SE
<b>25/26</b>	9 14 E	10 15 E	11 16 E	11 17 E	12 18 E	13 20 E	13 21 E	14 22 E	15 23 E	16 24 E	17 25 E	17 26 E	18 27 E	19 28 E	20 30 E	21 31 E	21 32 ESE	23 33 ESE	23 34 ESE	23 34 ESE	25 37 ESE	26 38 ESE	27 39 ESE	28 42 SE
<b>11/12</b>	9 14 E	9 15 E	10 16 E	11 17 E	11 18 E	13 20 E	13 21 E	14 22 E	15 23 E	16 24 E	17 25 E	17 26 E	17 27 E	19 28 E	19 29 E	19 31 E	20 32 E	21 32 ESE	21 33 ESE	21 33 ESE	23 37 ESE	24 38 ESE	25 39 ESE	26 41 SE
<b>1 &amp; 2 Bravo</b>	11 16 E	12 17 E	13 18 E	13 19 E	14 20 E	15 21 E	16 23 E	17 25 E	17 25 E	18 27 E	18 26 E	19 29 E	20 29 E	21 29 E	22 31 ESE	23 33 ESE	23 33 ESE	25 35 ESE	25 36 SE	25 36 SE	27 38 SE	28 40 SE	28 41 SE	30 44 SE

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# Houston Pilots: Sun. 7/7/2024



## Forecast Discussion

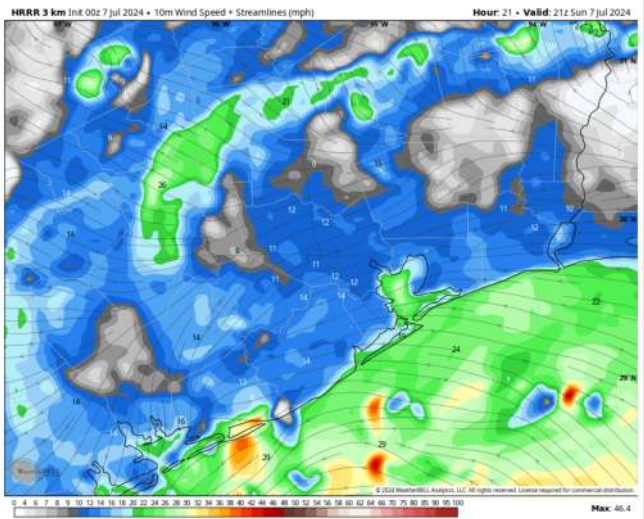
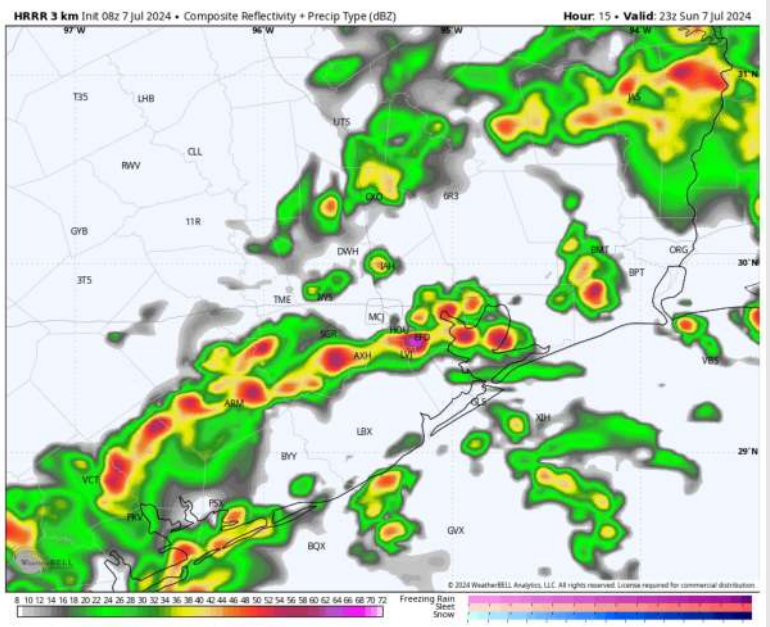
**Precip:** A few scattered bands of showers/storms from Beryl will be possible through ~Noon, with more scattered to widespread rains likely not working in until after 6 PM. **Tornadoes will be possible with any strong storms!**

**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 through 8 AM, then winds increase to 20 - 25 kts by 11 AM, remaining there the rest of the day. Wind gusts of 30-40 kts S of Morgan's Point will be possible after 7 PM CT

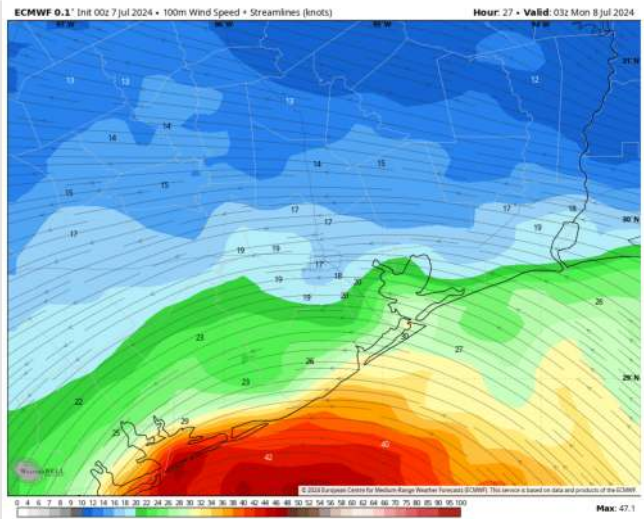
**High Temps:** **N of Morgan's Point:** Low 90s F. **S of Morgan's Point:** Upper 80s F.

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

## Precip Image: 6 PM CT



Wind Speed  
4 PM CT



Wind Speed 9  
PM CT

# Houston Pilots: Mon. 7/8/2024



## Forecast Discussion

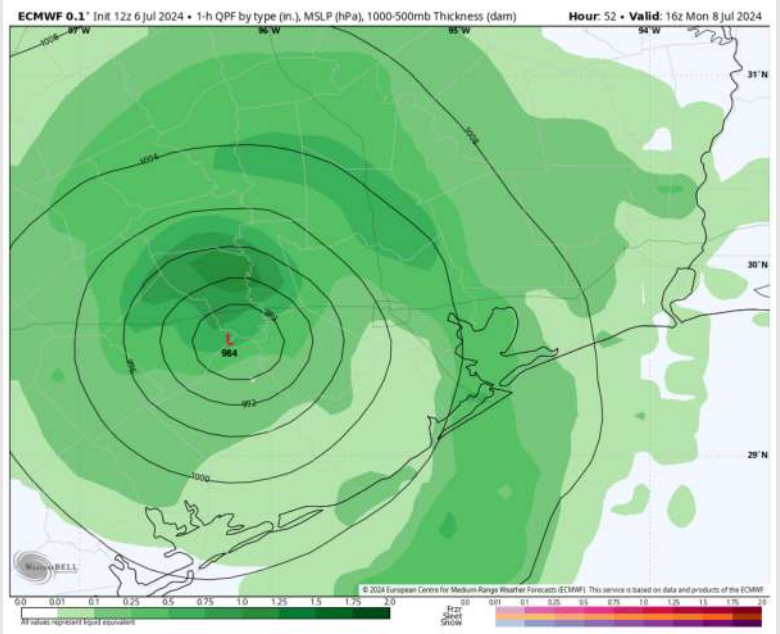
**Precip:** Anticipating widespread moderate/heavy rain associated with Tropical Storm Beryl to work through the area throughout MON. See tropical slide(s) above for more in on exact timing/impacts related to Beryl.

**Wind:** Winds will be out of the SE through ~2 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 25-35 kts, gradually increasing to 35-45 kts by 8 AM. Winds continue at this rate through ~4 PM CT before gradually decreasing. Wind gusts of 40-50+ kts will be prevalent at stations S of Morgan's Point. Peak gusts of 50-60 knots will be possible at the Boarding Station.

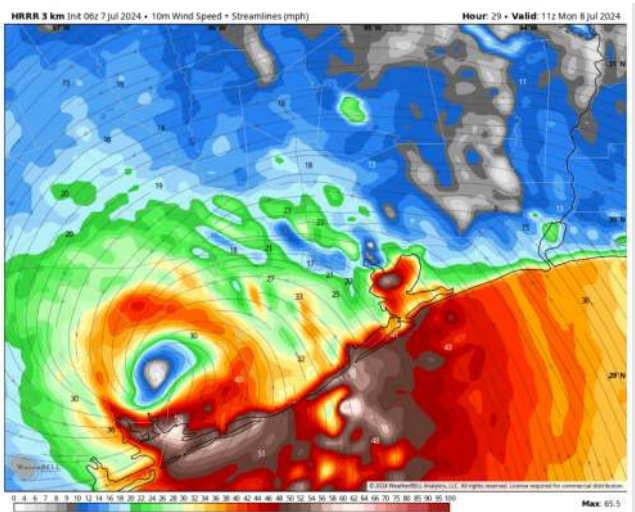
**High Temps:** **N of Morgan's Point:** Mid 80s F. **S of Morgan's Point:** High 80s F.

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

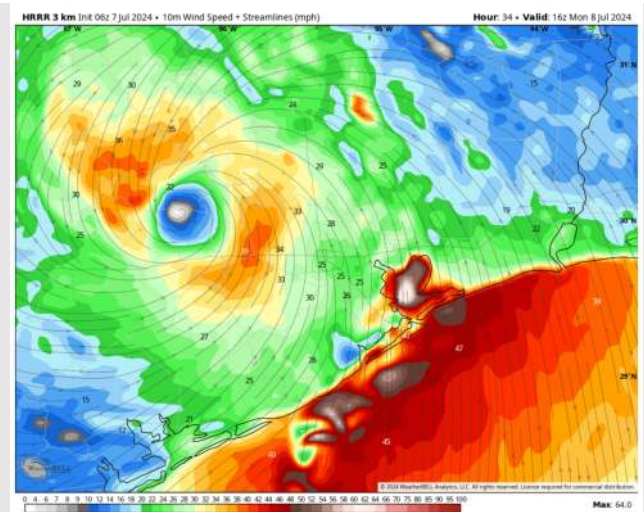
## Precip Image: 11 AM CT



Wind Speed:  
6 AM CT



Wind Speed:  
11 AM CT



# Houston Pilots: Tue. 7/9/2024



## Forecast Discussion

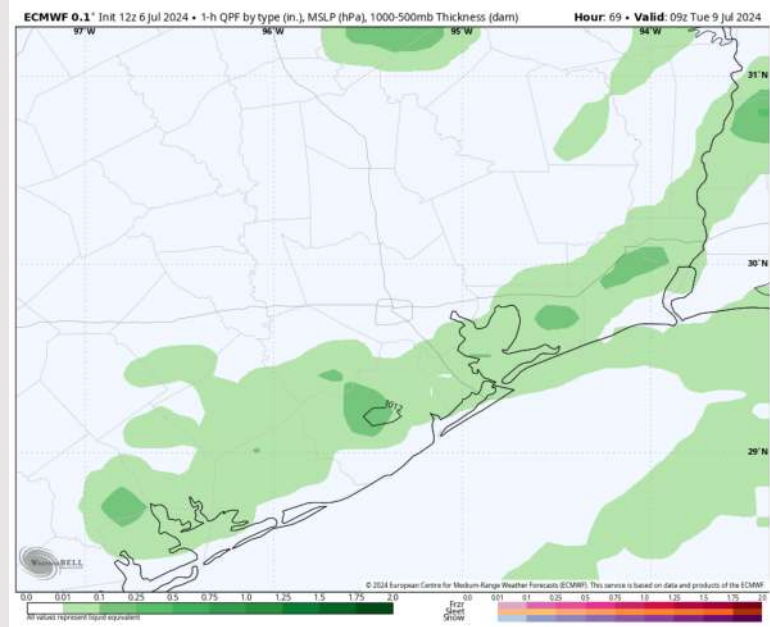
**Precip:** A few bands of scattered showers/storms will linger behind Tropical Storm Beryl throughout the day on Tuesday. Main risks with thunderstorms will be lightning and **20-25 kt gusts**.

**Wind:** Winds remain out of the SW throughout Tuesday. **N of Morgan's Point:** Winds begin the day at 8-13 kts and will be on a decline through 6 AM, settling at 4-9 kts. **S of Morgan's Point:** Winds begin the day at 20-25 kts and will be on a gradual decline through 9 AM, settling at 6-11 kts. **Gusts of 20-25 kts will be possible for all stations with scattered thunderstorms**

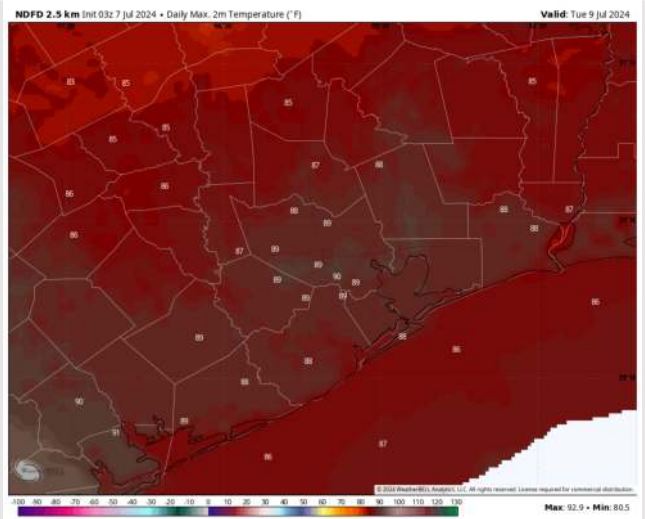
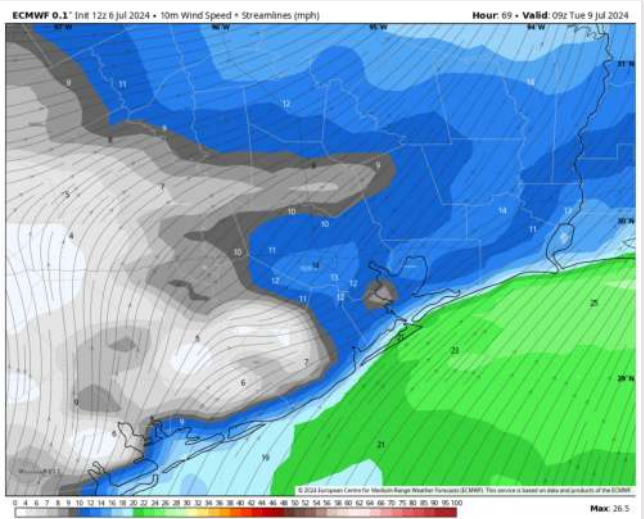
**High Temps:** **N of Morgan's Point:** High 80s F. **S of Morgan's Point:** Mid 80s F.

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

## Precip Image: 4 AM CT

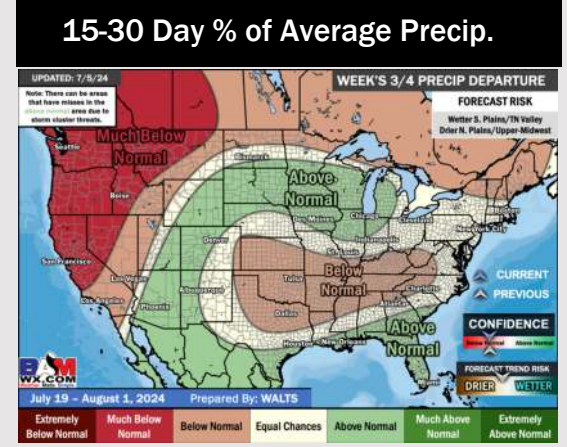
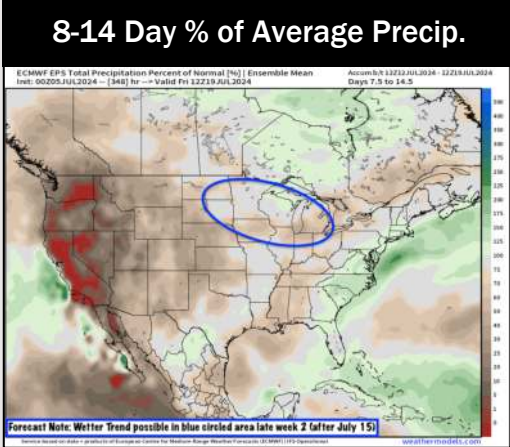
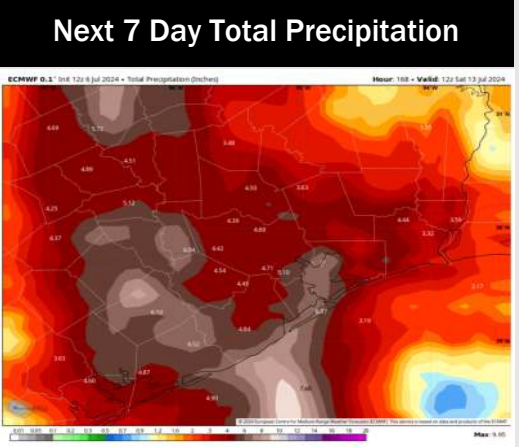
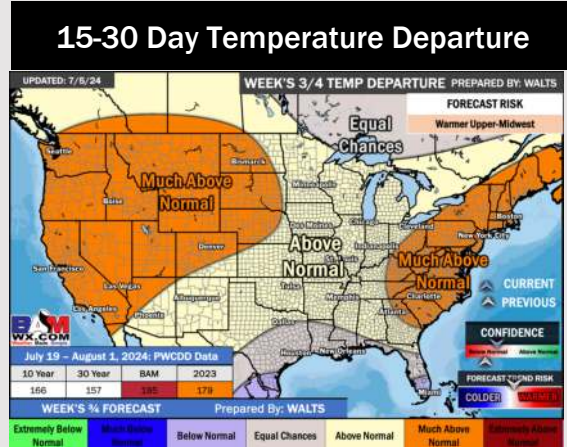
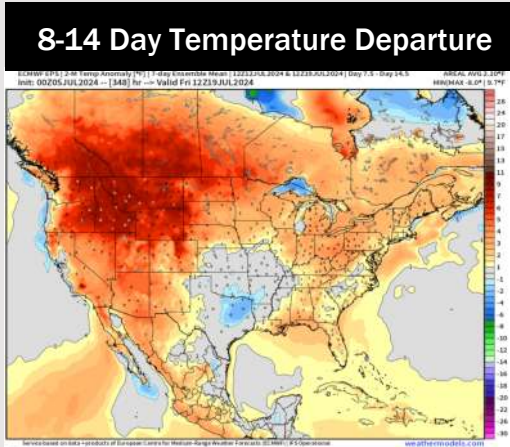
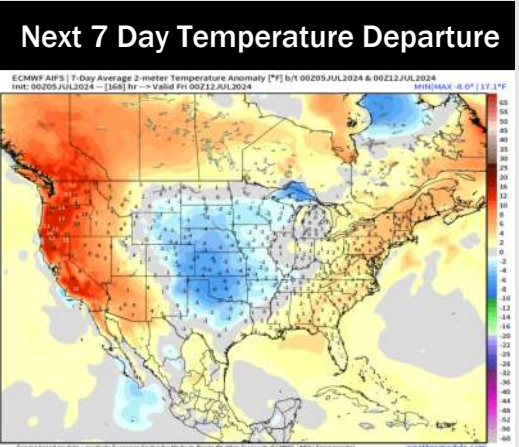


Wind Speed:  
4 AM CT



High Temps  
Tuesday

# Houston Pilots: 7/7/24



- 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.