

# Houston Pilots Forecast Package

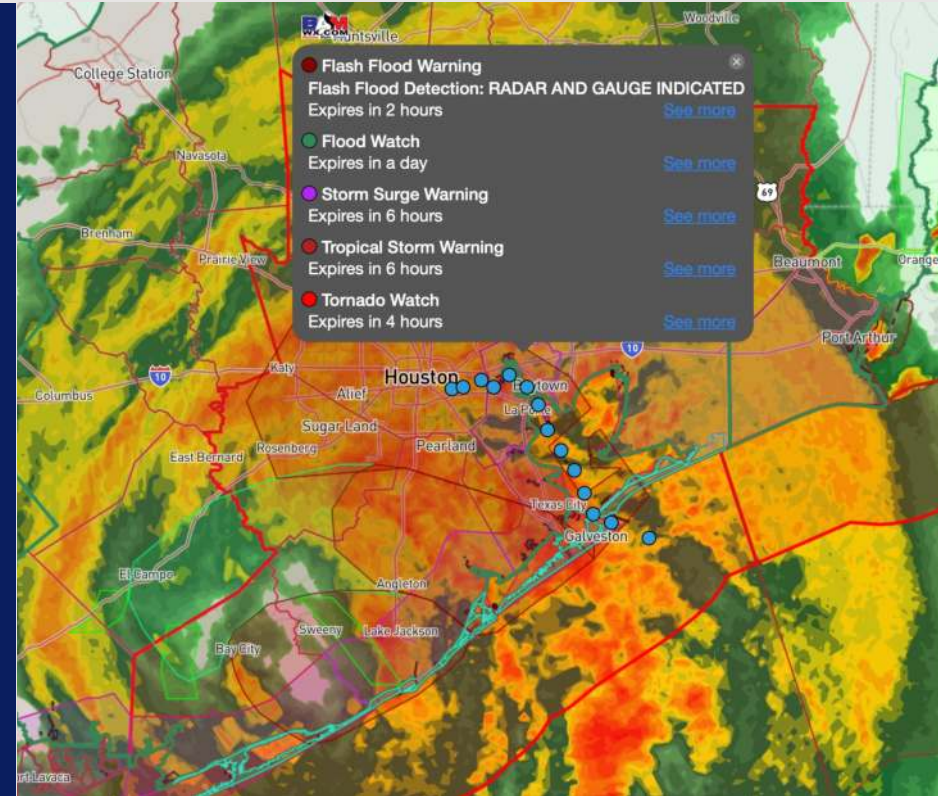


Updated: 6:00 AM CT  
Monday, July 8, 2024

Forecaster: Alyssa Elliott

## Weather Headlines

- [Beryl Video \(click here\) AM MON 7/8/24](#)
- **Storm Surge Warning** of 4-6 feet is in effect.
- A **Hurricane Warning** is now in effect for the Boarding Station.
- **Zulu Port Conditions** are in effect through **TUE AM** (see Trigger slide below).
- **The worst conditions (winds and waves) will continue through ~ 7 PM today (more on timing slide below).**



**Current Radar: 5:50 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



## BOARDING STATION MAIN TAKEAWAYS

**Wind Direction:** Consistently out of the SE through this morning, before shifting out of the S by 12 PM, and then out of the SW from 3 PM through TUE.

**Wind Timing:** Highest winds occurring now and will continue through 6 PM today.

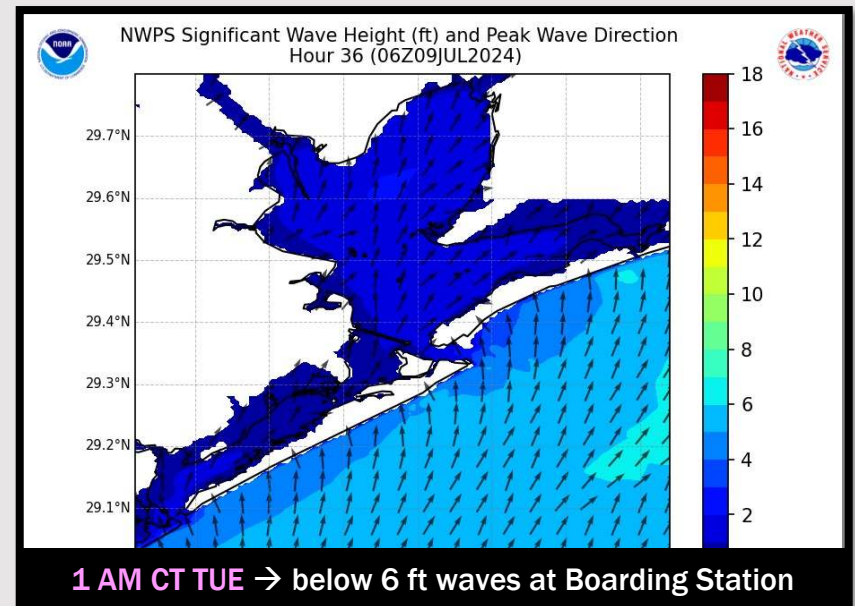
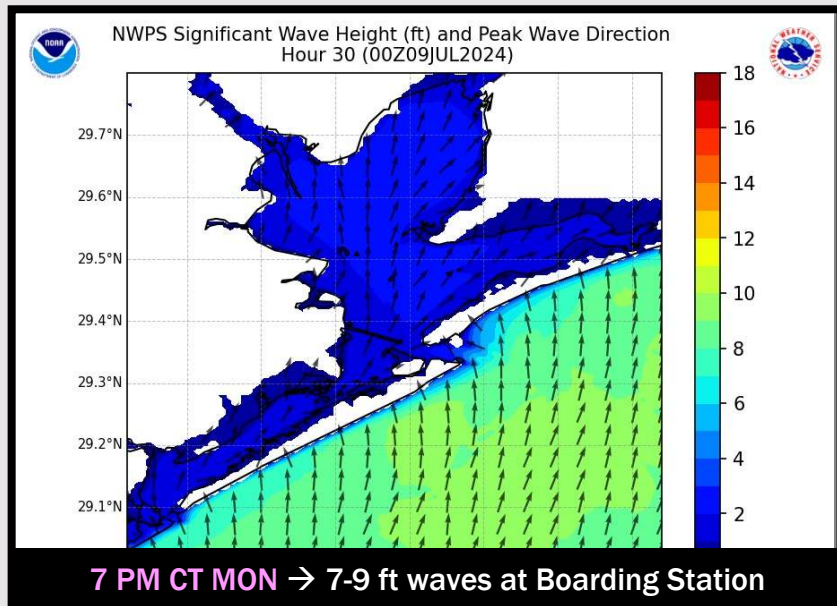
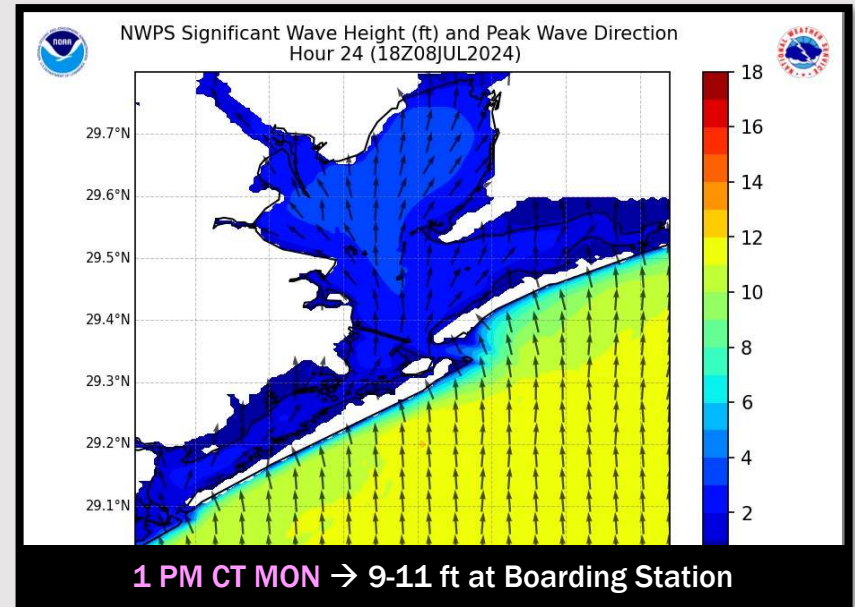
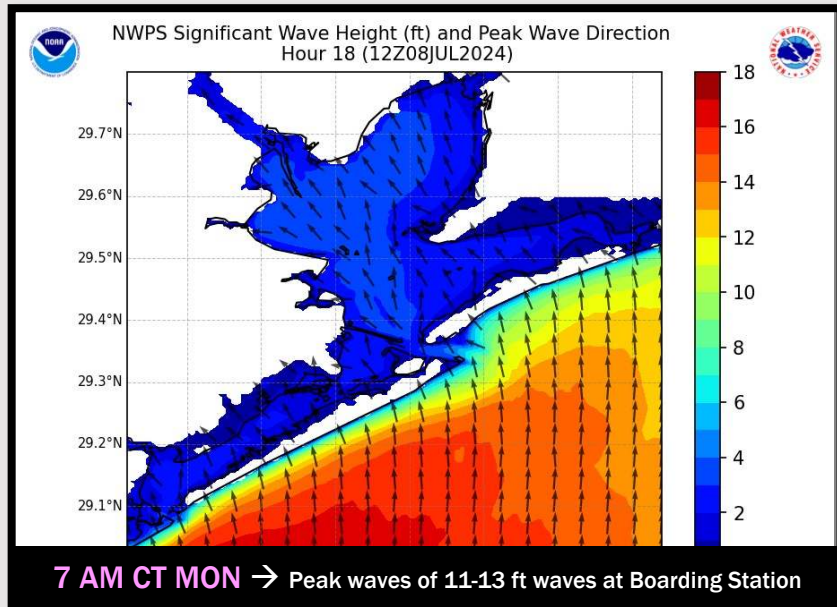
**Wind Speed Max:** 40 - 50 knots possible.

**Wind Gust Max:** 50 - 65 knots possible.

**Wave Heights:** Wave heights of 10+ feet will be possible at the boarding station between **through 7 PM today** .

**Tides:** 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	Past This Trigger	Past This Trigger	Ended
Zulu	Current	Current	1 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	PAST
Zulu	12 hours prior to predicted sustained winds of 34+ KTS or 6' wave height	YES

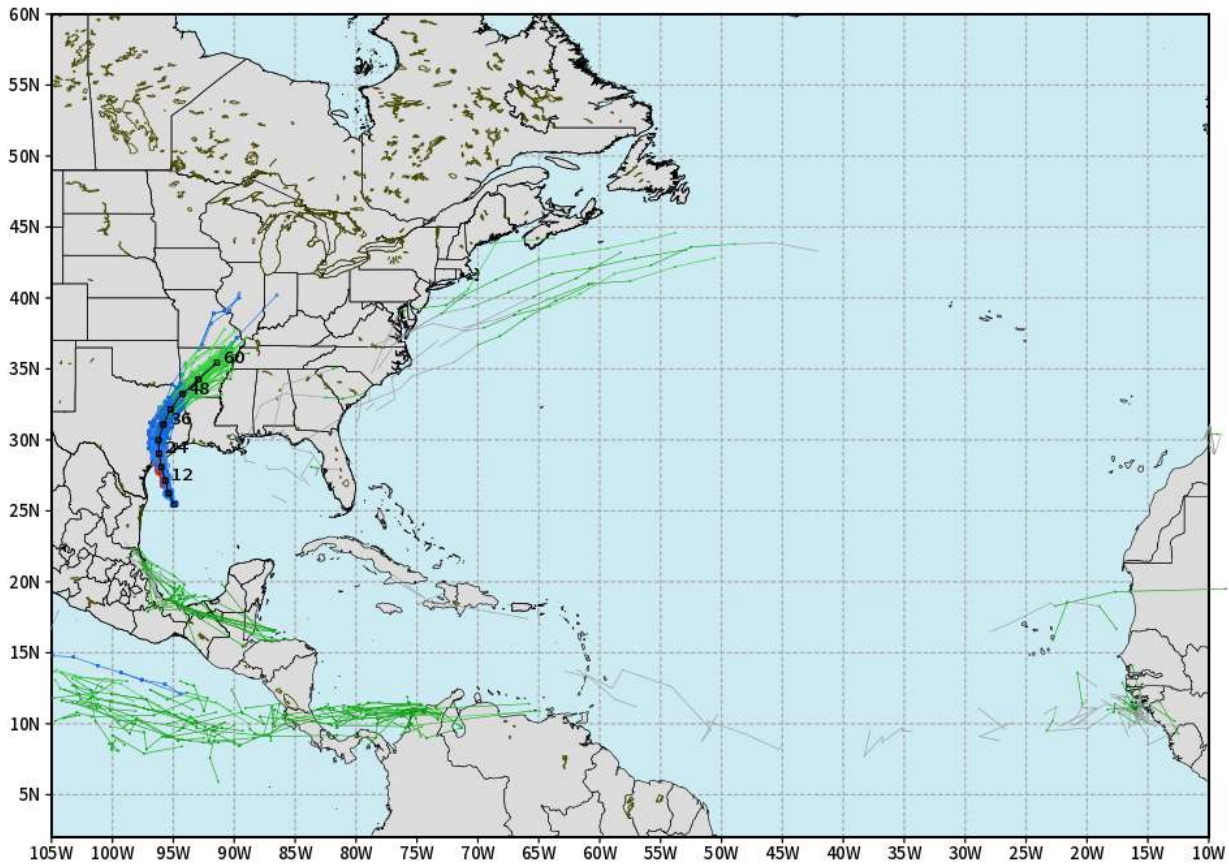
**NOTES:** As of Monday Morning, Zulu port conditions are in effect as 6 feet waves will be possible throughout the day today (Monday), with the worst of conditions present early this morning through mid afternoon.

# Houston Pilots Tropical Update

## European Model Next 10 Days - Tropical Tracks

ECMWF ATLANTIC EPS Cyclone Locations --> Next [10-days]  
INIT: 12Z07JUL2024 --> UNTIL 12Z17JUL2024

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



[weathermodels.com](http://weathermodels.com)

After Hurricane Beryl moves out of the area today (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	Mon 6am	Mon 7am	Mon 8am	Mon 9am	Mon 10am	Mon 11am	Mon 12pm	Mon 1pm	Mon 2pm	Mon 3pm	Mon 4pm	Mon 5pm	Mon 6pm	Mon 7pm	Mon 8pm	Mon 9pm	Mon 10pm	Mon 11pm	Tue 12am	Tue 1am	Tue 2am	Tue 3am	Tue 4am	Tue 5am
610 Bridge	5	4	2	2	2	2	3	3	3	4	6	7	9	10	10	10	10	10	10	10	10	10	10	10
Kinder 1	4	3	2	2	2	2	3	3	3	4	6	7	9	10	10	10	10	10	10	10	10	10	10	10
Greens Bayou	4	4	2	2	2	2	3	3	3	4	6	7	7	10	9	10	10	10	10	10	10	10	10	10
Shell Crude	4	2	2	2	2	2	3	3	3	4	6	7	7	10	9	10	10	10	10	10	10	10	10	10
Lynchburg Ferries	4	4	2	1	2	2	3	3	3	4	6	7	7	10	10	10	10	10	10	10	10	10	10	10
Exxon 3	4	2	2	1	2	2	3	3	3	6	6	7	7	10	9	10	9	10	10	10	10	10	10	10
Morgans Point	4	2	2	2	2	2	3	3	3	6	6	7	7	10	10	10	9	10	10	10	10	10	10	10
75/76	2	2	2	2	2	3	3	3	5	6	7	7	9	10	10	10	6	6	9	6	6	6	6	9
63/64	2	2	2	2	2	3	3	3	5	6	9	7	9	10	10	10	6	6	9	6	6	6	6	9
51/52	2	2	1	2	2	3	3	3	6	6	9	9	10	10	10	10	6	6	6	6	6	6	6	9
37/38	2	2	2	2	2	3	3	4	6	6	10	10	10	10	10	10	6	6	6	6	6	6	6	8
25/26	2	1	1	1	2	3	2	4	6	7	10	10	10	10	10	10	6	6	6	6	6	6	6	7
11/12	2	1	1	1	1	3	2	4	6	7	10	10	10	10	10	10	6	6	6	6	6	6	6	6
1 & 2 Bravo	2	2	2	2	2	2	2	3	9	6	9	10	9	10	10	9	5	6	6	6	6	6	5	5

**NOTE: This is automated data that may/may not agree with the official B1M 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	Mon 6am	Mon 7am	Mon 8am	Mon 9am	Mon 10am	Mon 11am	Mon 12pm	Mon 1pm	Mon 2pm	Mon 3pm	Mon 4pm	Mon 5pm	Mon 6pm	Mon 7pm	Mon 8pm	Mon 9pm	Mon 10pm	Mon 11pm	Tue 12am	Tue 1am	Tue 2am	Tue 3am	Tue 4am	Tue 5am
610 Bridge	23	25	25	25	25	25	24	22	21	20	18	17	16	14	13	12	11	11	9	8	8	7	7	7
	45	47	49	48	48	48	47	44	44	42	38	35	32	29	27	25	23	22	20	18	17	16	15	14
	E	E	ESE	SE	SE	SSE	S	S	SSW	SSW	SW	SW	SW	WSW	WSW	WSW	SW	WSW	WSW	WSW	WSW	WSW	W	W
Kinder 1	23	25	25	25	25	25	23	22	21	20	18	17	16	13	13	12	11	11	9	9	8	7	7	7
	45	47	49	48	48	47	47	44	43	41	38	35	32	29	27	25	23	22	20	18	17	16	15	14
	E	ESE	ESE	SE	SE	SSE	S	S	SSW	SSW	SW	SW	SW	WSW	WSW	WSW	SW	WSW	WSW	WSW	WSW	WSW	W	W
Greens Bayou	23	24	25	25	25	24	23	21	21	19	18	17	16	14	13	12	11	11	9	9	8	7	7	7
	44	47	48	47	47	47	45	43	41	39	36	34	32	29	27	25	23	22	20	18	17	16	15	14
	E	ESE	ESE	SE	SE	SSE	S	S	S	SSW	SW	SW	SW	WSW	WSW	WSW	SW	WSW	WSW	WSW	WSW	WSW	W	W
Shell Crude	23	24	25	25	25	25	23	21	21	20	18	17	15	14	13	12	11	11	9	9	8	7	7	7
	45	47	48	48	47	47	45	43	41	40	36	34	32	29	27	25	23	22	20	18	17	16	15	14
	E	ESE	ESE	SE	SSE	SSE	S	S	SSW	SSW	SW	SW	SW	WSW	SW	WSW	SW	SW	WSW	WSW	WSW	WSW	WSW	W
Lynchburg Ferries	22	23	25	25	25	25	25	23	23	21	19	19	17	15	13	13	11	11	9	9	8	7	7	7
	44	46	47	47	47	46	45	44	42	41	37	35	32	30	28	26	24	23	21	19	18	17	16	15
	E	ESE	ESE	SE	SSE	SSE	S	S	S	SSW	SSW	SW	SW	WSW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	W
Exxon 3	32	33	33	32	31	30	29	27	25	24	23	22	21	20	19	19	17	17	16	15	14	13	13	12
	46	47	48	47	47	47	45	43	40	38	35	34	32	30	29	27	26	24	23	21	20	19	18	17
	ESE	SE	SE	SE	SSE	SSE	S	S	S	SSW	SSW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	WNW
Morgans Point	32	33	33	32	32	30	30	27	26	24	23	22	21	19	19	18	17	17	15	14	14	13	13	12
	47	48	49	49	48	47	46	43	41	38	36	34	32	30	28	26	25	24	23	21	20	19	18	17
	ESE	SE	SE	SSE	SSE	SSE	S	S	S	SSW	SSW	SW	SW	SW	SW	WSW	SW	WSW	WSW	WSW	WSW	W	W	WNW
75/76	34	35	35	35	34	33	32	30	29	27	25	25	23	21	20	19	18	17	17	15	15	15	14	13
	51	53	54	54	52	51	49	45	44	41	38	37	34	32	30	28	27	25	23	22	22	21	20	19
	ESE	SE	SE	SSE	SSE	S	S	S	SSW	SSW	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	W	W	W
63/64	35	36	36	36	35	35	34	31	30	29	27	25	24	21	21	19	18	17	17	15	15	15	14	13
	52	54	55	55	53	52	50	46	45	43	40	38	35	32	30	28	27	25	23	22	22	21	20	19
	ESE	SE	SE	SSE	SSE	S	S	S	SSW	SSW	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	W	W	W
51/52	36	36	36	36	35	34	33	32	32	30	27	25	23	21	21	20	18	17	17	15	15	15	14	13
	53	55	55	55	54	53	50	46	45	44	40	38	34	32	30	28	27	25	23	22	22	21	21	20
	SE	SE	SSE	SSE	SSE	S	S	S	SSW	SSW	SSW	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	W	W	W
37/38	36	36	36	36	35	34	33	32	31	30	27	25	23	21	21	19	18	17	16	15	15	15	14	13
	53	54	55	55	54	53	50	47	46	44	40	38	35	32	30	28	27	25	23	22	22	21	21	20
	SE	SE	SSE	SSE	S	S	S	S	SSW	SSW	SSW	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	W	W	W
25/26	34	35	35	35	34	33	32	30	30	28	26	24	22	21	20	19	17	17	15	15	15	14	13	13
	53	54	55	55	54	52	50	46	46	44	40	38	34	32	30	28	26	25	23	22	21	21	20	20
	SE	SE	SSE	SSE	S	S	S	S	SSW	SSW	SSW	SW	SW	SW	SW	SW	WSW	SW	WSW	WSW	WSW	WSW	W	W
11/12	32	32	33	33	32	32	30	28	29	27	25	23	21	19	18	17	16	15	14	13	13	13	12	12
	52	53	54	53	52	51	49	46	45	42	39	37	34	31	29	27	26	25	23	22	21	21	20	19
	SE	SE	SSE	SSE	S	S	S	S	SSW	SSW	SW	SW	SW	SW	SW	SW	WSW	SW	WSW	WSW	WSW	WSW	WSW	W
1 & 2 Bravo	35	35	36	35	35	35	34	34	32	30	27	25	23	22	21	19	19	17	17	17	17	16	15	15
	53	53	54	54	53	52	52	50	49	45	41	40	36	32	32	30	28	26	25	23	23	23	22	21
	SE	SE	SSE	SSE	SSE	S	S	S	S	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW

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: Mon. 7/8/2024



## Forecast Discussion

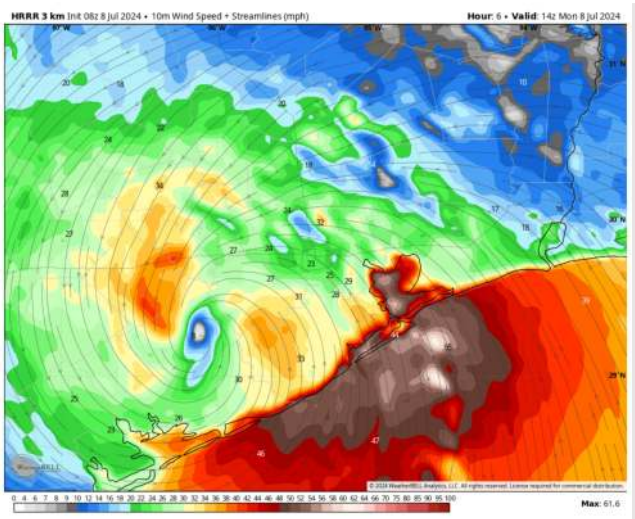
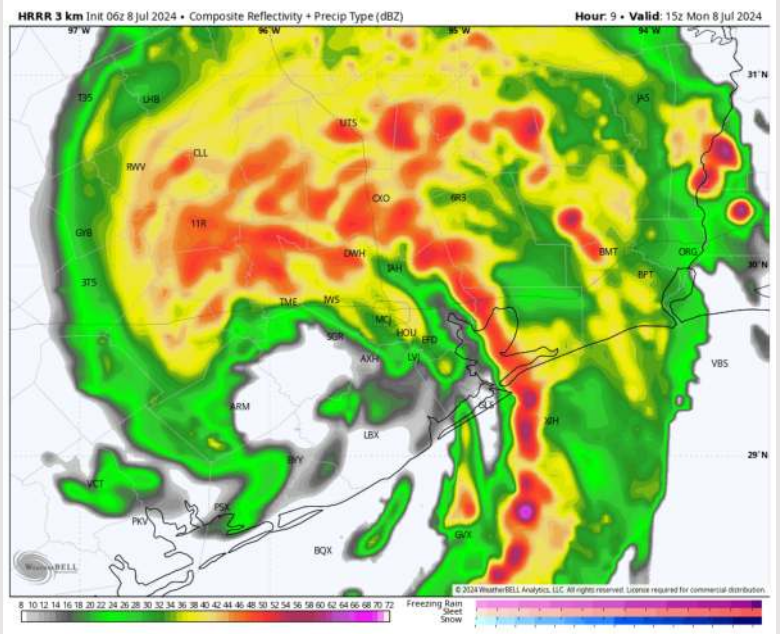
**Precip:** Anticipating widespread moderate/heavy rain associated with Tropical Storm Beryl to continue throughout the day today with coverage decreasing after ~1 PM today. See tropical slide(s) above for more on exact timing/impacts related to Beryl.

**Wind:** Winds will be out of the SE through ~12 PM before shifting to being out of the S/SW. **N of Morgan's Point:** Winds are peaking at 25-35 kts and will continue until 4 PM CT, gradually calming afterwards. **S of Morgan's Point:** Winds at 40-50 kts this morning. Winds continue at this rate through ~ 6 PM CT before gradually decreasing. Wind gusts of 45-50+ kts will be prevalent at all stations, although more localized N of Morgan's Point. Peak gusts of 55-65 knots will be possible at the Boarding Station.

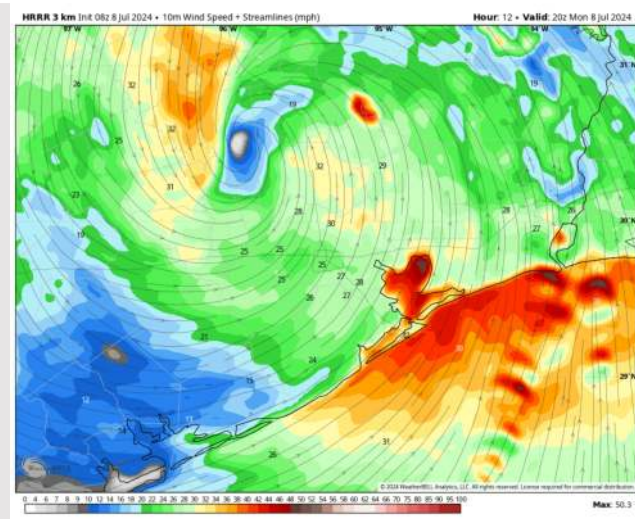
**High Temps:** N of Morgan's Point: Mid 80s F. S of Morgan's Point: High 80s F.

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

## Precip Image: 10 AM CT



Wind Speed:  
9 AM CT



Wind Speed:  
3 PM CT



# Houston Pilots: Tue. 7/9/2024



## Forecast Discussion

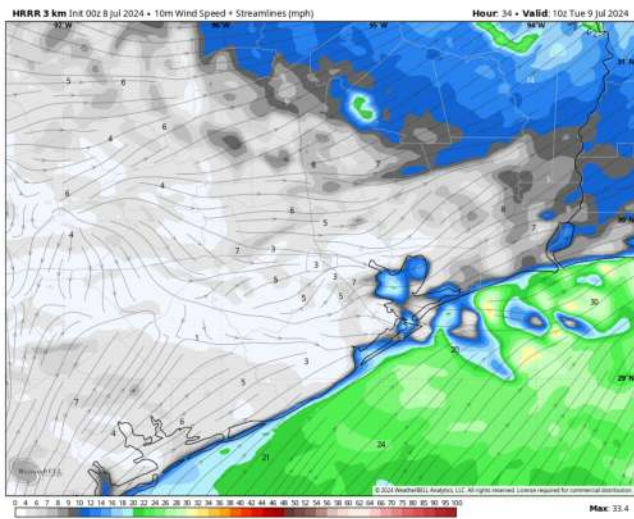
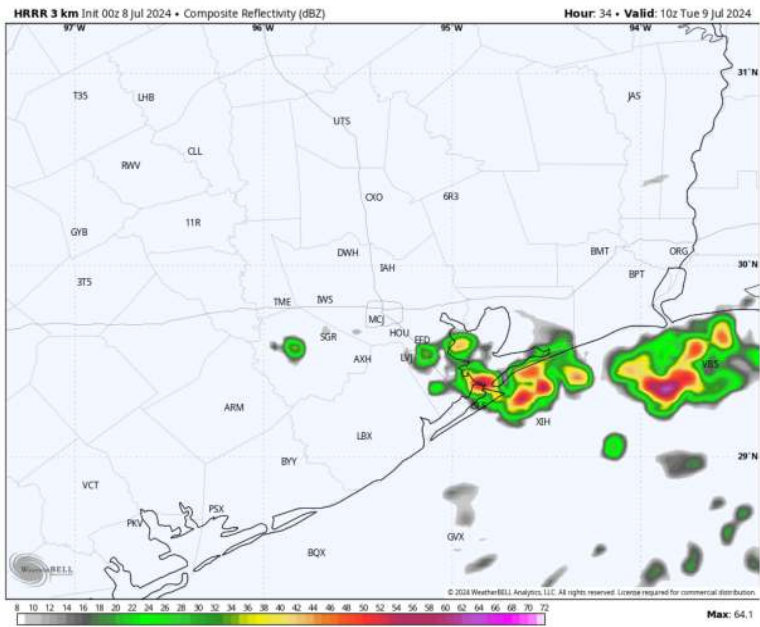
**Precip:** A few bands of scattered showers/storms will linger behind Tropical Storm Beryl throughout the day on Tuesday. Main risks with thunderstorms will be lightning and **25-30 kt gusts**.

**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 11 AM, settling at 6-11 kts. **Gusts of 25-30 kts will be possible for all stations with scattered thunderstorms**

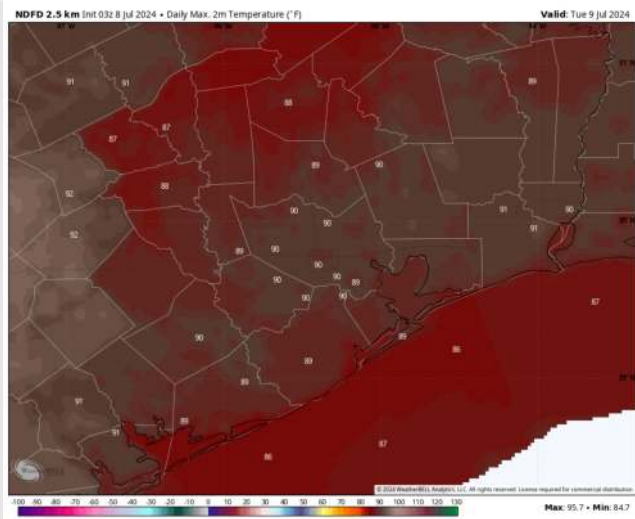
**High Temps:** **N of Morgan's Point:** Near 90s F. **S of Morgan's Point:** Upper 80s F.

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

## Precip Image: 5 AM CT



Wind Speed:  
5 AM CT



High Temps  
Tuesday

## Forecast Discussion

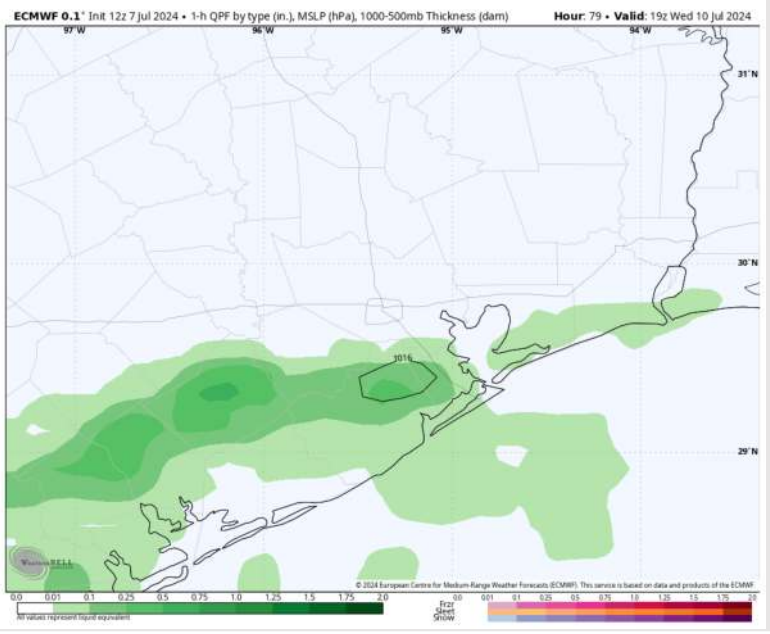
**Precip:** Scattered showers possible at the Boarding Station through 1 PM before rain chances encroach into the bay and affect Stations S of Morgan's Point through 5 PM.

**Wind:** Winds out of the SW gradually rotate clockwise through 9 AM and settle out of the NW. Winds then become variable in direction after 12 PM and settle back out of the SW by 7 PM. **N of Morgan's Point:** Winds 3-8 kts throughout Wednesday. **S of Morgan's Point:** Winds at 5-10 kts throughout the day.

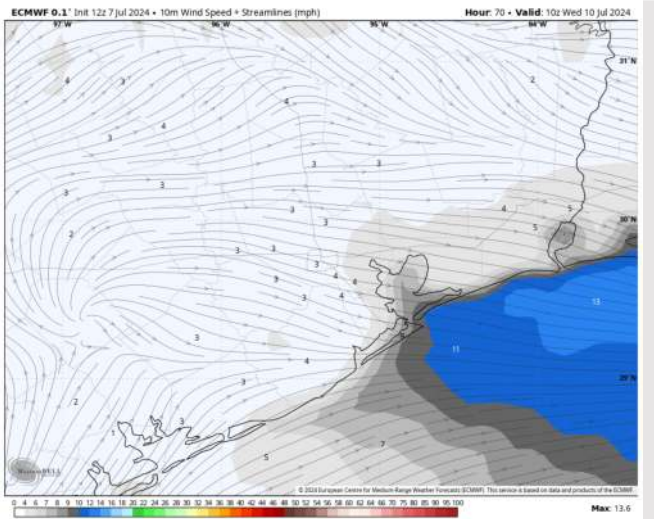
**High Temps:** **N of Morgan's Point:** Low 90s F. **S of Morgan's Point:** Upper 80s F.

**Visibility:** Monitoring a low-end risk for patchy fog N of Morgan's Point WED AM.

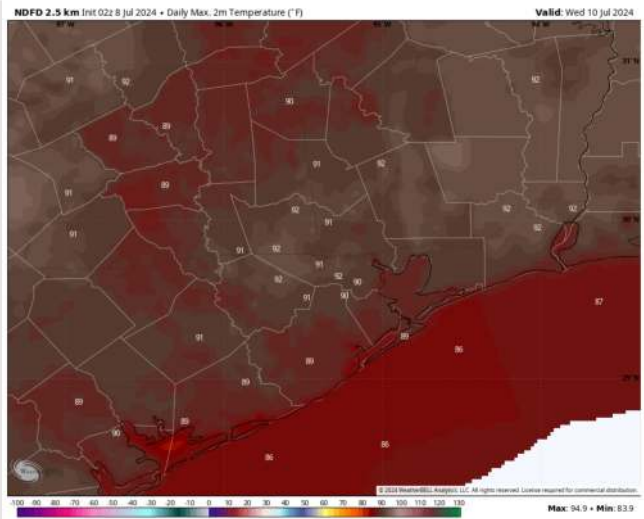
## Precip Image: 2 PM CT



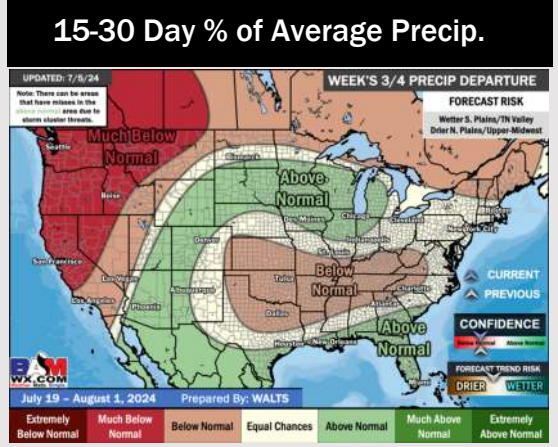
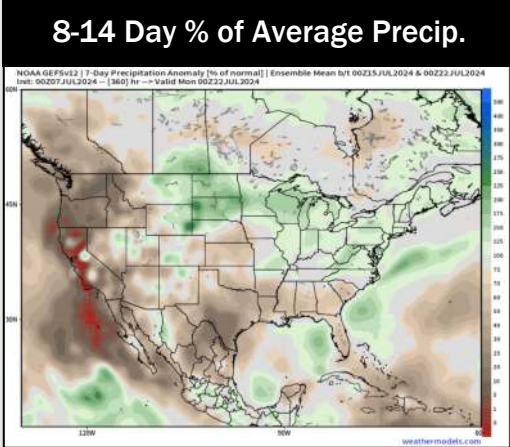
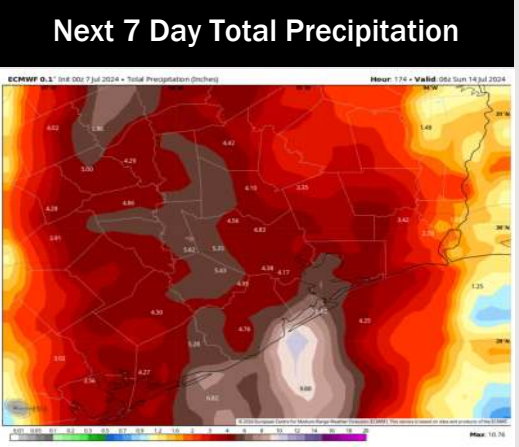
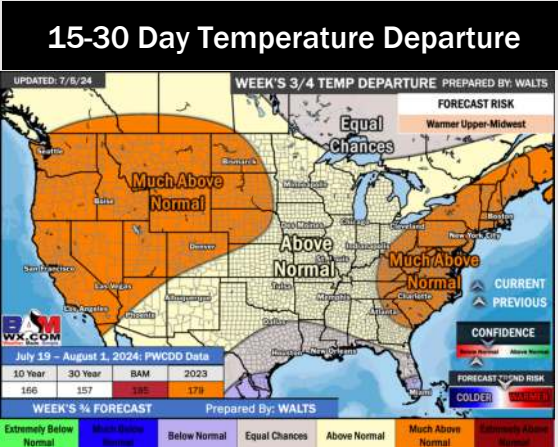
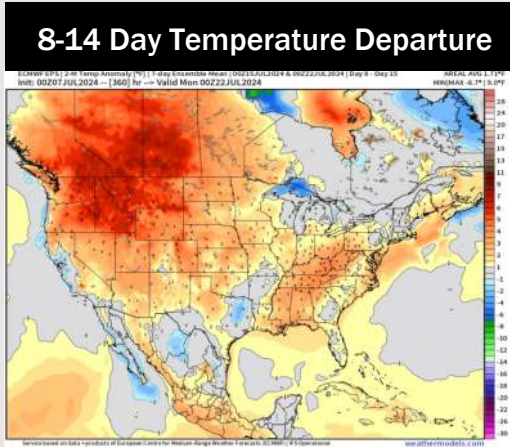
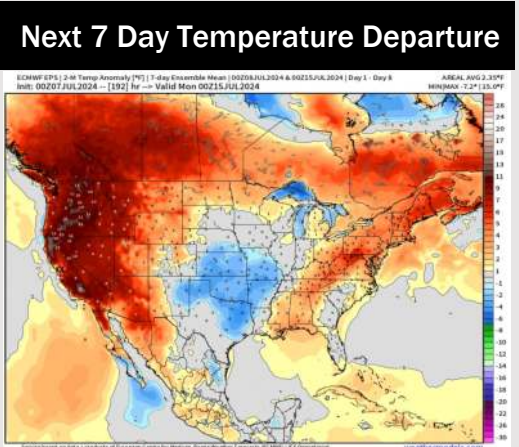
## Wind Speed 5 AM CT



## High Temps Wednesday



# Houston Pilots: 7/8/24



- Temps are expected to be seasonable/slightly below normal for Week 1 timeframe. Heavy Rainfall associated with Tropical Storm Beryl will work through now through early TUE.
- Below normal precipitation are favored 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.