

# Houston Pilots Forecast Package

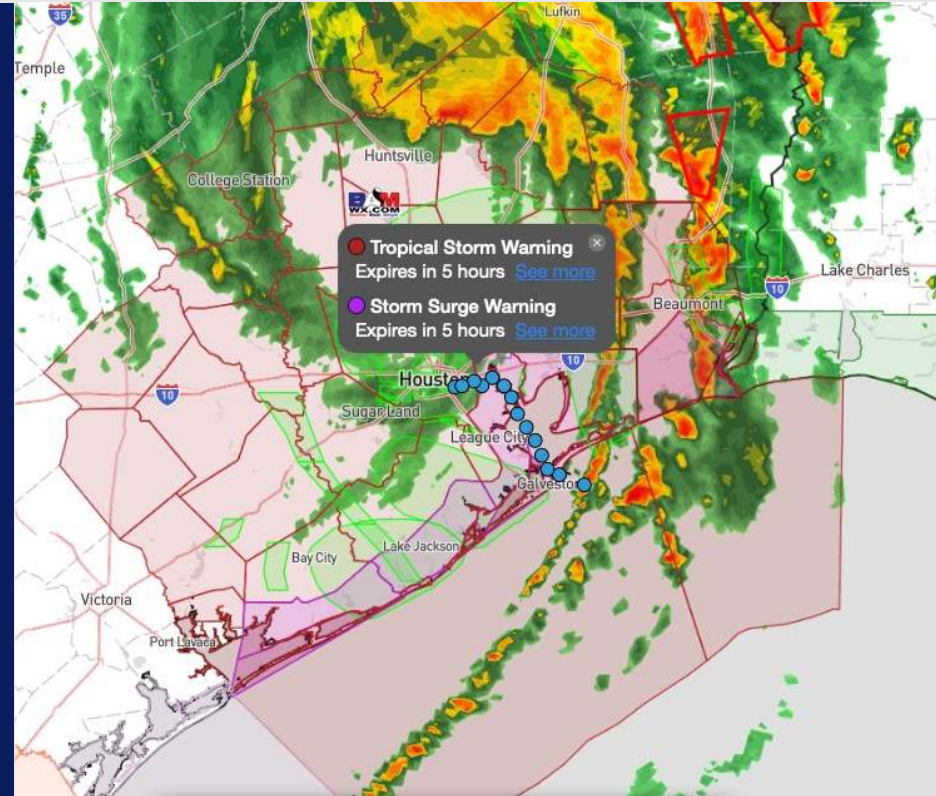


Updated: 1:00 PM CT  
Monday, July 8, 2024

Forecaster: Hope Kleitsch

## Weather Headlines

- Beryl Video (click [HERE](#)) PM MON 7/8/2024
- Strong winds and scattered rain showers/thunderstorms will continue through 7 PM today.
- **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: 1:00 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 Tropical Update



## BOARDING STATION MAIN TAKEAWAYS

**Wind Direction:** Winds will be consistently out of the W/SW through the remainder of the day.

**Wind Timing:** Highest winds will continue through 6 PM.

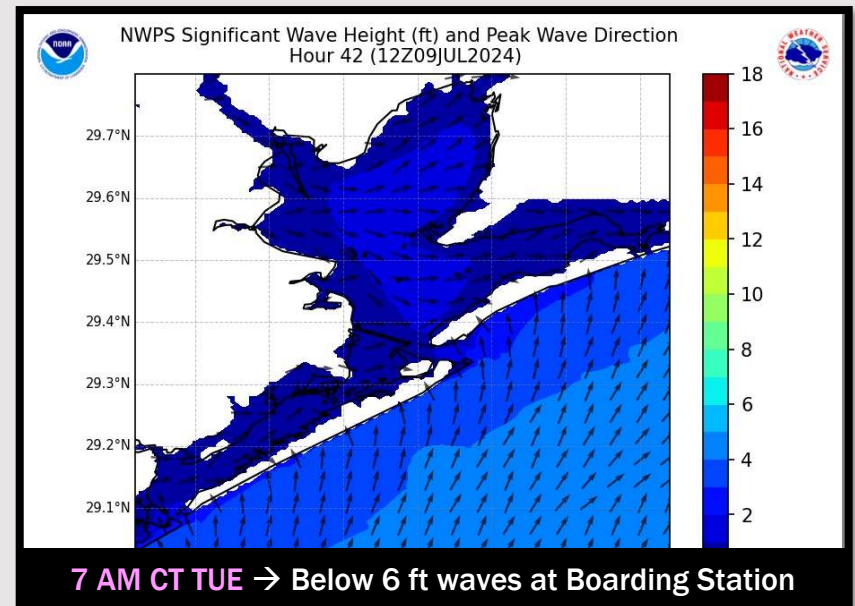
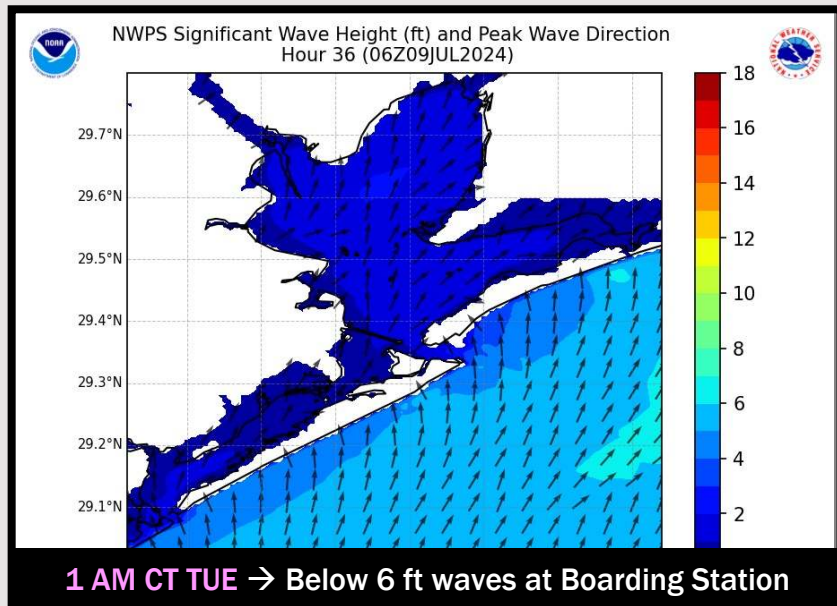
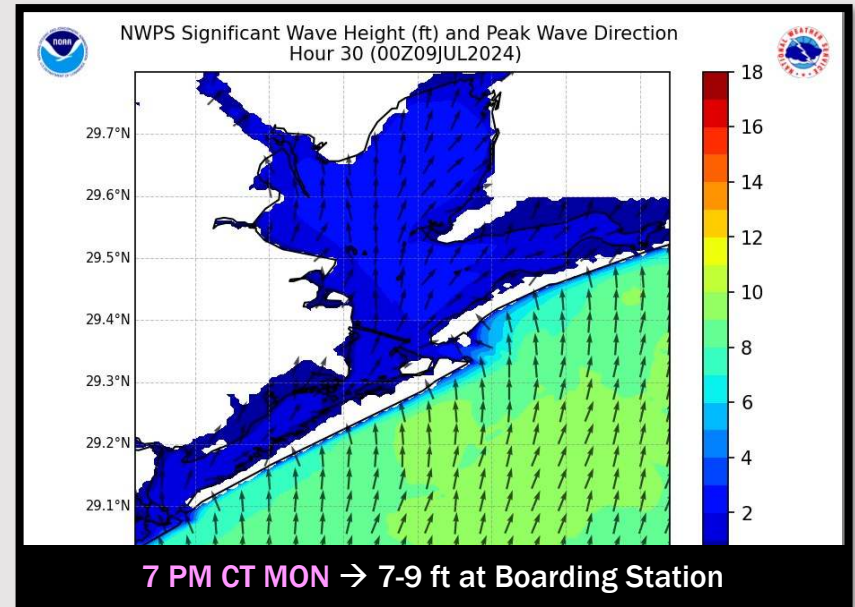
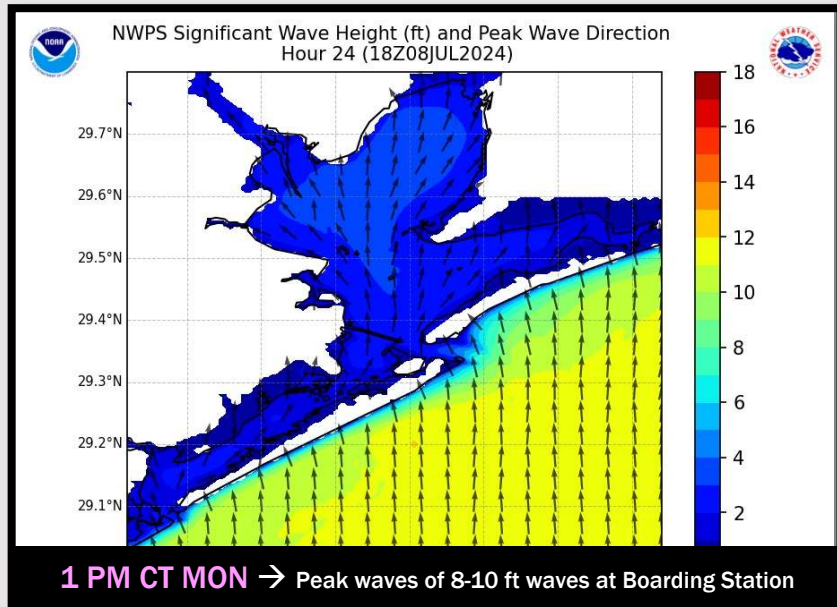
**Wind Speed Max:** 30 - 40 knots possible.

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

**Wave Heights:** Wave heights of 10+ feet will be possible at the boarding station **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 afternoon, Zulu port conditions are in effect as 6 feet waves will be possible throughout the day today (Monday), with the worst of conditions present through 7 PM this evening.

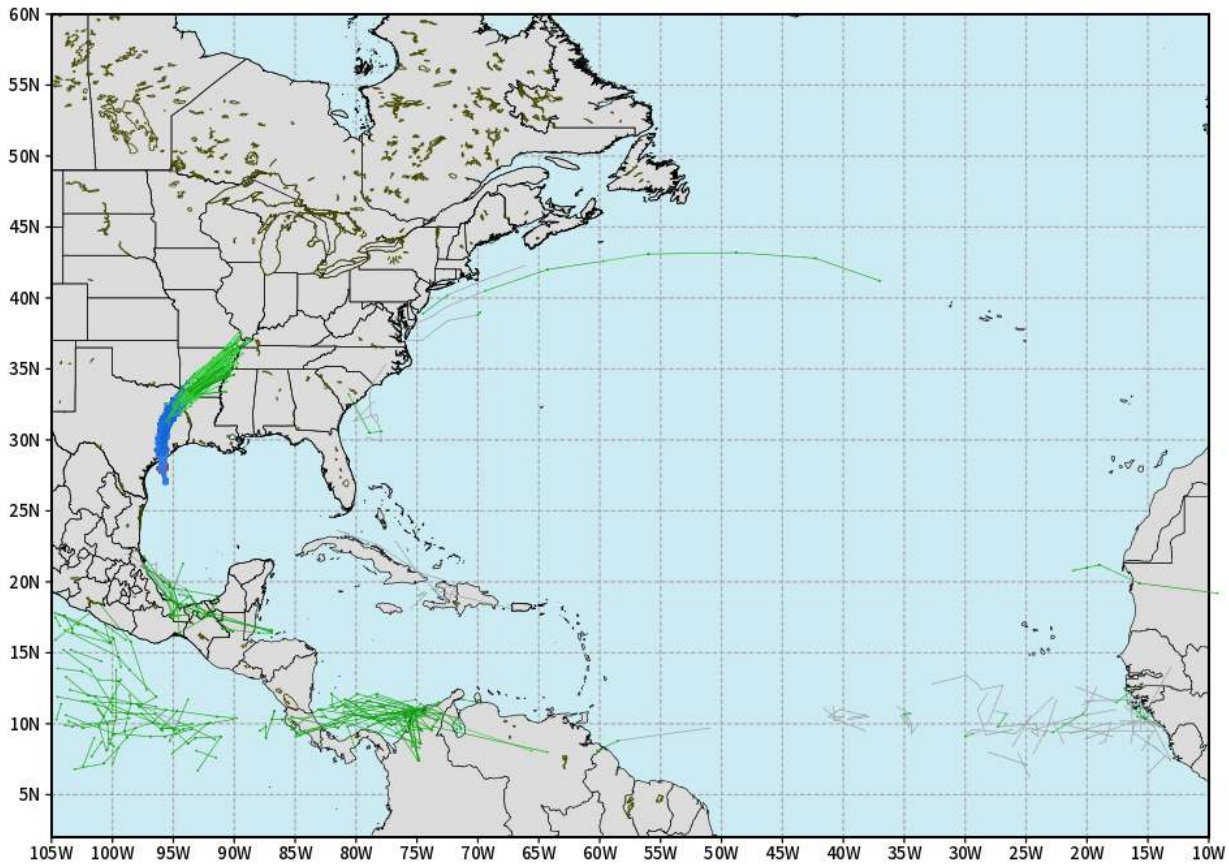


# Houston Pilots Tropical Update

## European Model Next 10 Days - Tropical Tracks

ECMWF ATLANTIC EPS Cyclone Locations --> Next [10-days]  
INIT: 00Z08JUL2024 --> UNTIL 00Z18JUL2024

- 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 Tropical Storm 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 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	Tue 6am	Tue 7am	Tue 8am	Tue 9am	Tue 10am	Tue 11am	Tue 12pm
610 Bridge	2	2	3	3	5	6	7	6	6	7	6	6	9	6	7	10	10	10	6	6	10	10	10	10
Kinder 1	2	2	3	3	5	6	7	6	6	7	6	6	9	6	7	10	10	10	6	6	10	10	10	10
Greens Bayou	2	2	3	3	5	6	6	6	6	7	5	6	7	5	6	10	10	10	6	6	10	10	10	10
Shell Crude	2	2	3	3	5	6	7	6	6	7	5	6	7	5	7	10	10	10	6	6	10	10	10	10
Lynchburg Ferries	2	2	3	4	6	5	6	6	6	7	5	6	7	5	5	10	10	10	6	6	10	10	10	10
Exxon 3	2	2	3	4	6	6	7	6	6	7	5	6	6	5	6	10	10	10	6	6	10	10	10	10
Morgans Point	2	3	3	4	6	6	7	6	6	7	6	6	9	6	9	10	10	10	6	6	10	10	10	10
75/76	3	4	6	6	6	7	10	10	9	7	10	10	10	10	9	6	10	10	6	6	10	10	10	10
63/64	3	4	6	6	6	7	10	10	9	9	10	10	10	10	9	6	10	10	6	6	10	10	10	10
51/52	4	5	6	6	6	7	9	7	7	6	7	9	10	10	9	6	9	10	6	6	7	7	10	10
37/38	4	5	6	6	6	6	9	6	7	6	6	7	10	10	9	6	7	10	6	6	6	7	10	10
25/26	4	5	6	6	6	6	9	6	6	6	6	6	10	9	9	6	7	10	6	6	6	7	10	10
11/12	4	6	6	6	6	6	6	6	6	6	6	6	9	9	9	6	7	10	6	5	6	6	10	10
1 & 2 Bravo	3	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	4	5	6	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	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	Tue 6am	Tue 7am	Tue 8am	Tue 9am	Tue 10am	Tue 11am	Tue 12pm
610 Bridge	22	21	20	18	17	15	13	12	11	10	9	9	8	7	7	7	6	5	5	5	5	5	5	5
	44	44	41	38	34	32	27	25	23	21	19	18	16	15	15	14	13	12	11	11	11	11	12	12
	SSW	SSW	SSW	SW	SW	WSW	WSW	WSW	WSW	SW	WSW	WSW	WSW	WSW	W	W	W	W	W	WNW	WNW	NW	WNW	WNW
Kinder 1	21	21	19	18	17	15	13	12	11	10	9	9	8	7	7	7	6	5	5	5	5	5	5	5
	43	43	41	37	34	32	28	25	23	21	19	18	16	15	15	14	13	12	11	11	11	11	12	12
	SSW	SSW	SSW	SW	SW	WSW	WSW	WSW	WSW	SW	WSW	WSW	WSW	WSW	W	W	W	W	W	WNW	WNW	NW	WNW	WNW
Greens Bayou	21	21	19	17	17	15	13	12	11	10	9	9	8	7	7	7	6	5	5	5	5	5	5	5
	43	41	39	36	33	31	28	25	23	21	20	18	16	15	15	14	13	12	12	12	12	12	12	12
	S	SSW	SSW	SW	SW	WSW	WSW	WSW	WSW	SW	WSW	WSW	WSW	WSW	W	W	W	W	W	WNW	WNW	NW	WNW	WNW
Shell Crude	21	21	19	18	17	15	13	12	11	10	9	9	7	7	7	7	6	5	5	5	5	5	5	5
	43	42	40	36	33	31	28	25	23	21	20	18	16	15	15	14	13	12	12	12	12	12	12	12
	S	SSW	SSW	SW	SW	WSW	WSW	WSW	WSW	SW	WSW	WSW	SW	WSW	WSW	W	W	W	W	W	WNW	WNW	NW	WNW
Lynchburg Ferries	23	23	21	19	18	16	14	13	11	11	9	9	8	7	7	7	6	5	5	5	5	5	5	5
	43	42	41	38	35	32	29	26	24	22	21	19	17	15	15	13	12	12	12	12	12	12	12	12
	S	SSW	SSW	SW	SW	WSW	WSW	WSW	SW	SW	WSW	WSW	WSW	WSW	WSW	W	W	W	W	W	WNW	WNW	NW	WNW
Exxon 3	27	25	24	23	22	21	19	18	17	16	15	15	13	13	12	11	11	10	9	9	8	8	7	7
	43	40	38	35	34	32	29	27	25	24	22	21	19	18	17	16	15	15	14	13	13	13	13	13
	S	SSW	SSW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	W	W	W	W	W	WNW	WNW	WNW	WNW
Morgans Point	27	26	24	23	22	21	19	18	17	16	15	14	13	13	12	11	11	10	9	9	8	8	7	7
	43	41	39	36	33	32	29	27	25	24	22	20	19	18	17	16	15	15	14	13	13	13	13	13
	S	SSW	SSW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	W	W	W	W	WNW	NW	WNW	WNW
75/76	30	29	27	25	24	22	20	19	18	17	16	15	14	14	13	13	12	11	11	10	9	9	8	7
	45	44	41	38	36	33	30	28	27	25	24	22	20	20	19	18	17	16	15	15	14	13	13	13
	S	SSW	SSW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	W	W	W	W	WNW	WNW	WNW	WNW
63/64	31	30	28	26	25	23	21	19	19	17	16	15	14	14	13	13	12	11	11	10	9	9	8	7
	46	45	42	38	37	34	30	29	27	25	24	22	20	20	19	18	18	16	15	15	14	13	13	13
	S	SSW	SSW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW
51/52	32	31	30	27	25	23	21	19	19	17	16	15	15	14	14	13	13	12	11	11	10	9	8	7
	46	45	43	39	37	33	30	29	27	25	24	22	21	20	20	19	18	17	16	15	14	14	13	13
	S	SSW	SSW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW
37/38	32	31	30	26	25	23	21	19	19	17	16	15	14	14	13	13	13	12	11	11	10	9	8	7
	47	46	43	40	37	34	30	29	27	25	24	22	21	20	20	19	18	17	16	15	14	14	13	13
	S	SSW	SSW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	W	W	W	W	WNW	WNW	WNW	WNW
25/26	30	30	28	26	23	21	20	19	18	16	15	15	14	13	13	13	12	11	11	10	9	9	8	8
	46	46	43	40	37	33	30	29	27	25	23	22	21	20	19	18	17	16	15	14	14	13	13	13
	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	W	W	W	W	W	WNW	WNW	WNW	WNW	WNW
11/12	28	28	27	25	23	20	18	17	17	15	14	13	13	12	12	11	11	11	10	9	9	9	8	8
	46	44	42	38	36	33	30	28	26	25	23	22	20	20	19	18	17	16	15	14	14	13	13	13
	S	SSW	SSW	SW	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	W	W	W	W	W	WNW	WNW	WNW	WNW
1 & 2 Bravo	34	32	30	27	26	24	22	21	20	19	17	17	16	15	15	14	13	13	12	11	11	11	9	9
	50	48	45	41	40	35	32	31	29	26	25	24	23	23	22	21	21	19	18	17	17	16	15	14
	S	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	W	W	W	W	W	WNW	WNW	WNW	NW

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

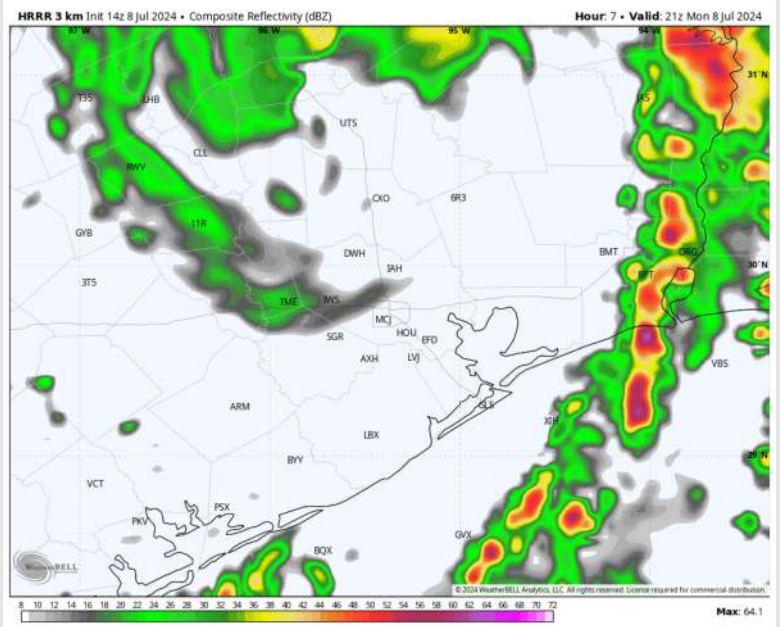
**Precip:** Tropical Storm Beryl continues to track to the northeast through the rest of the day. Rains will become more scattered (30%) throughout the remainder of the afternoon before becoming isolated in nature (10%) after 3 PM. Rain will be completely out of the region by 8 PM and through the remainder of the night.

**Wind:** Winds will be out of the W/SW through the remainder of the day. **N of Morgan's Point: Winds of 20-25 kts will continue through 5 PM** before calming to 4-11 kts for the remainder of the night. **S of Morgan's Point: Winds of 30-40 kts will be prevalent through 6 PM.** Winds will continue to decrease after then, sustained at 15-21 kts for the remainder of the night.

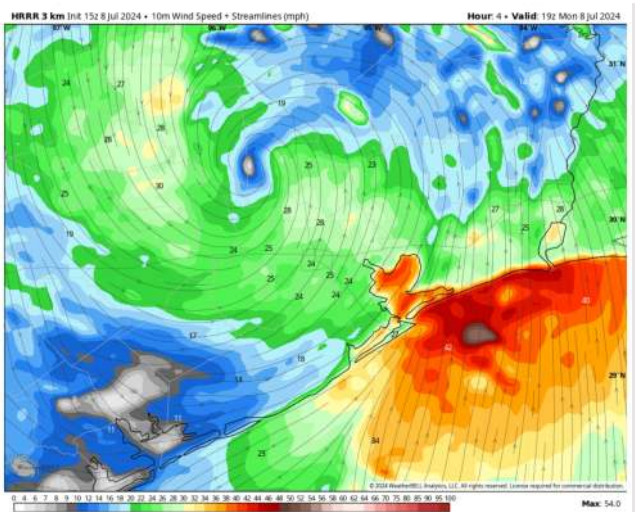
**Low Temps:** **N of Morgan's Point: Mid 70s F. S of Morgan's Point: Near 80 F.**

**Visibility:** Fog is not favored for the rest of the evening.

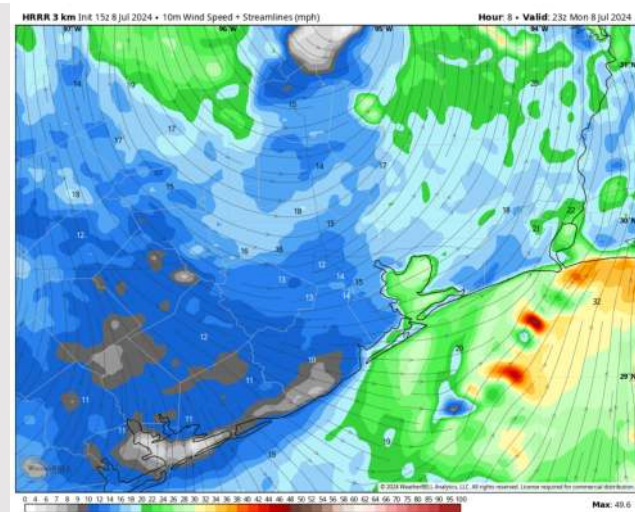
## Precip Image: 4 PM CT



Wind Speed:  
2 PM CT



Wind Speed:  
6 PM CT





# Houston Pilots: Tue. 7/9/2024



## Forecast Discussion

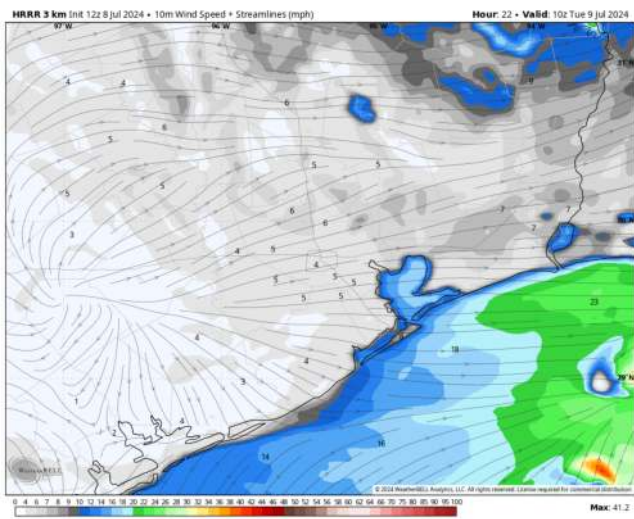
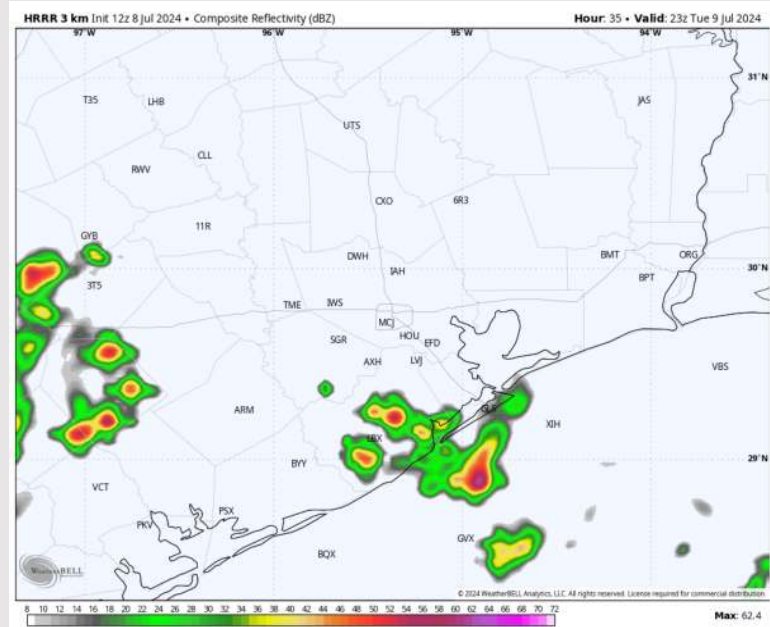
**Precip:** A few bands of scattered showers/storms will linger behind Tropical Storm Beryl throughout the day on Tuesday. Main risks with thunderstorms will be lightning and **25-30 kt gusts**.

**Wind:** Winds will be out of the W/NW through 2 PM before becoming variable through 7 PM when winds settle out of the S for the remainder of the night. **N of Morgan's Point:** Winds be at 4-9 kts throughout the day. **S of Morgan's Point:** Winds begin the day at 10-15 kts and will be on a gradual decline through 10 AM, settling at 6-11 kts. **Gusts of 25-30 kts will be possible for all stations with scattered thunderstorms.**

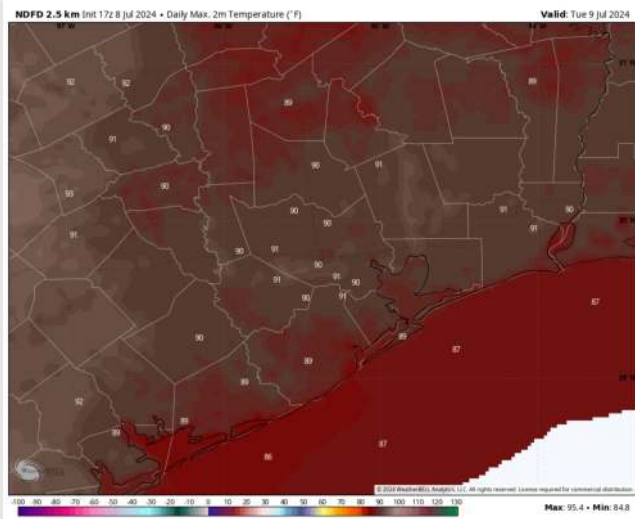
**High Temps:** **N of Morgan's Point:** Near 90 F. **S of Morgan's Point:** Upper 80s F.

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

## Precip Image: 6 PM CT



Wind Speed:  
5 AM CT



High Temps  
Tuesday

## Forecast Discussion

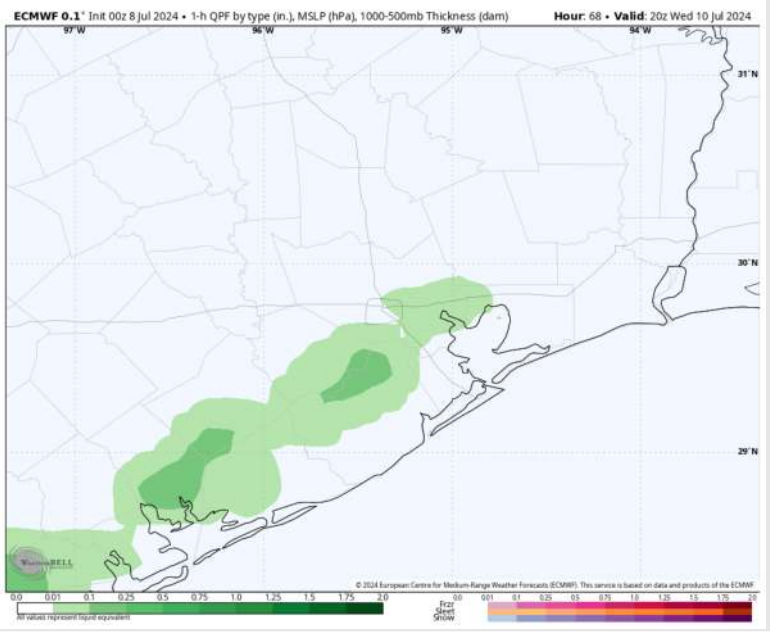
**Precip:** Dry conditions favored for the AM. Scattered showers (30%) are possible after 12 PM through 6 PM. The remainder of the night is expected to be dry.

**Wind:** Winds out of the NW gradually rotate clockwise through 12 PM and settle out of the S/SE through the remainder of Wednesday. **N of Morgan's Point:** Winds 3-7 kts throughout Wednesday. **S of Morgan's Point:** Winds at 5-10 kts throughout the day.

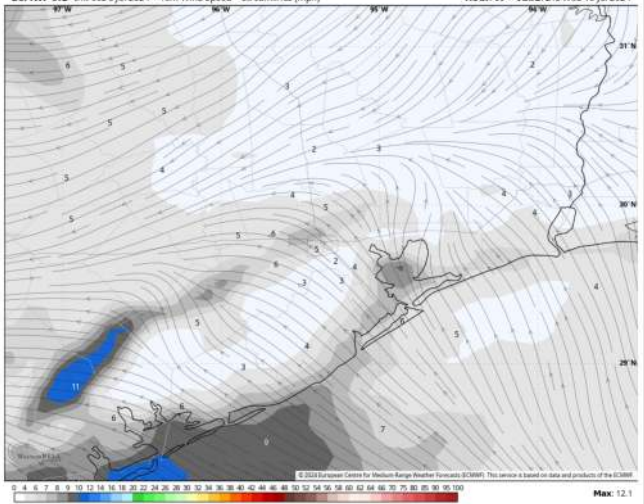
**High Temps:** **N of Morgan's Point:** Low 90s F. **S of Morgan's Point:** Upper 80s F.

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

## Precip Image: 3 PM CT

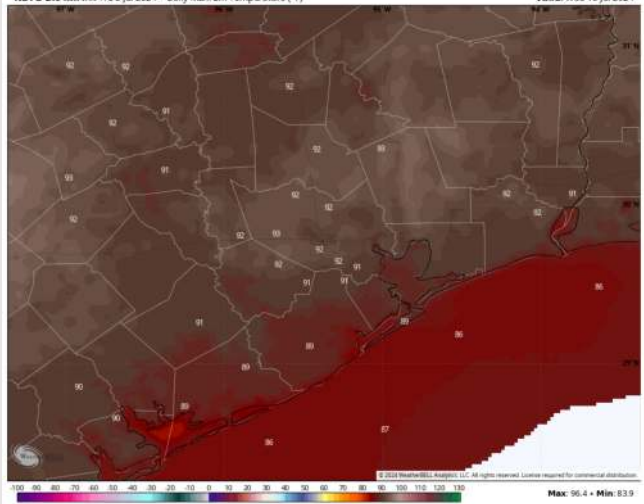


ECMWF 0.1° Init 00z 8 Jul 2024 • 10m Wind Speed • Streamlines (mph) Hour: 69 • Valid: 21z Wed 10 Jul 2024



Wind Speed  
4 PM CT

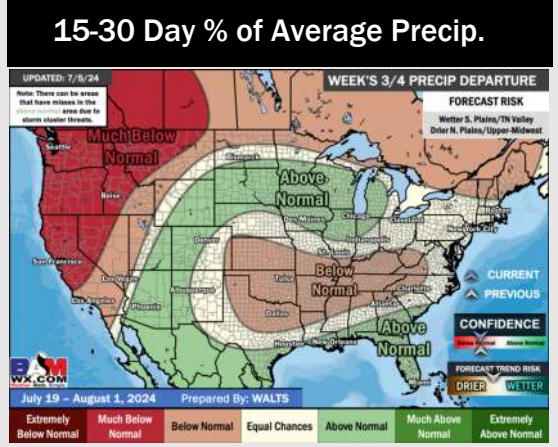
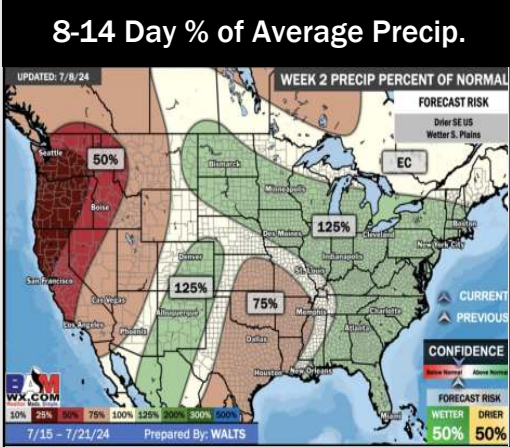
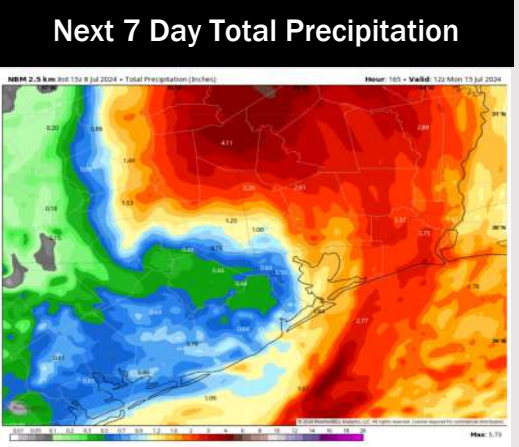
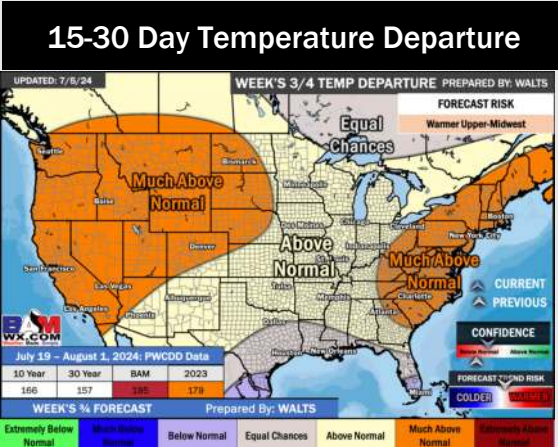
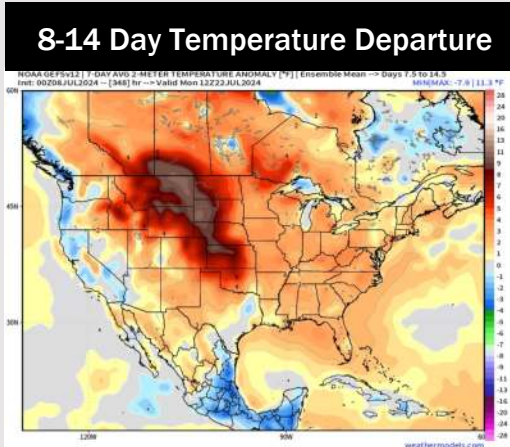
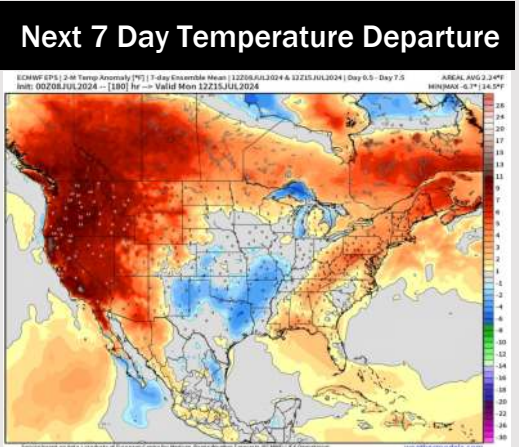
NDFD 2.5 km Init 17z 8 Jul 2024 • Daily Max. 2m Temperature (°F) Valid: Wed 10 Jul 2024



High Temps  
Wednesday



# Houston Pilots: 7/8/24



- Temps are expected to be seasonable/slightly below normal for Week 1 timeframe. A few scattered rain chances are possible throughout week 1. Models are picking up on back end heavier rainfall of Beryl, however, most of this rain has already fallen.
- 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.