

# Houston Pilots Forecast Package



Updated: 1:00 PM CT  
Monday, June 17, 2024

Forecaster: Alyssa Elliott

## Weather Headlines

- Stronger wind gusts will work into the area this evening and will continue through the early/mid parts of the week.
- Zulu port conditions in effect. See slides below for timing and anticipated wave heights.
- Scattered to widespread showers/storms expected to continue through the evening.
- Check custom graphic below on current thinking for multi day heavy rain event.



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 Wave Height Update



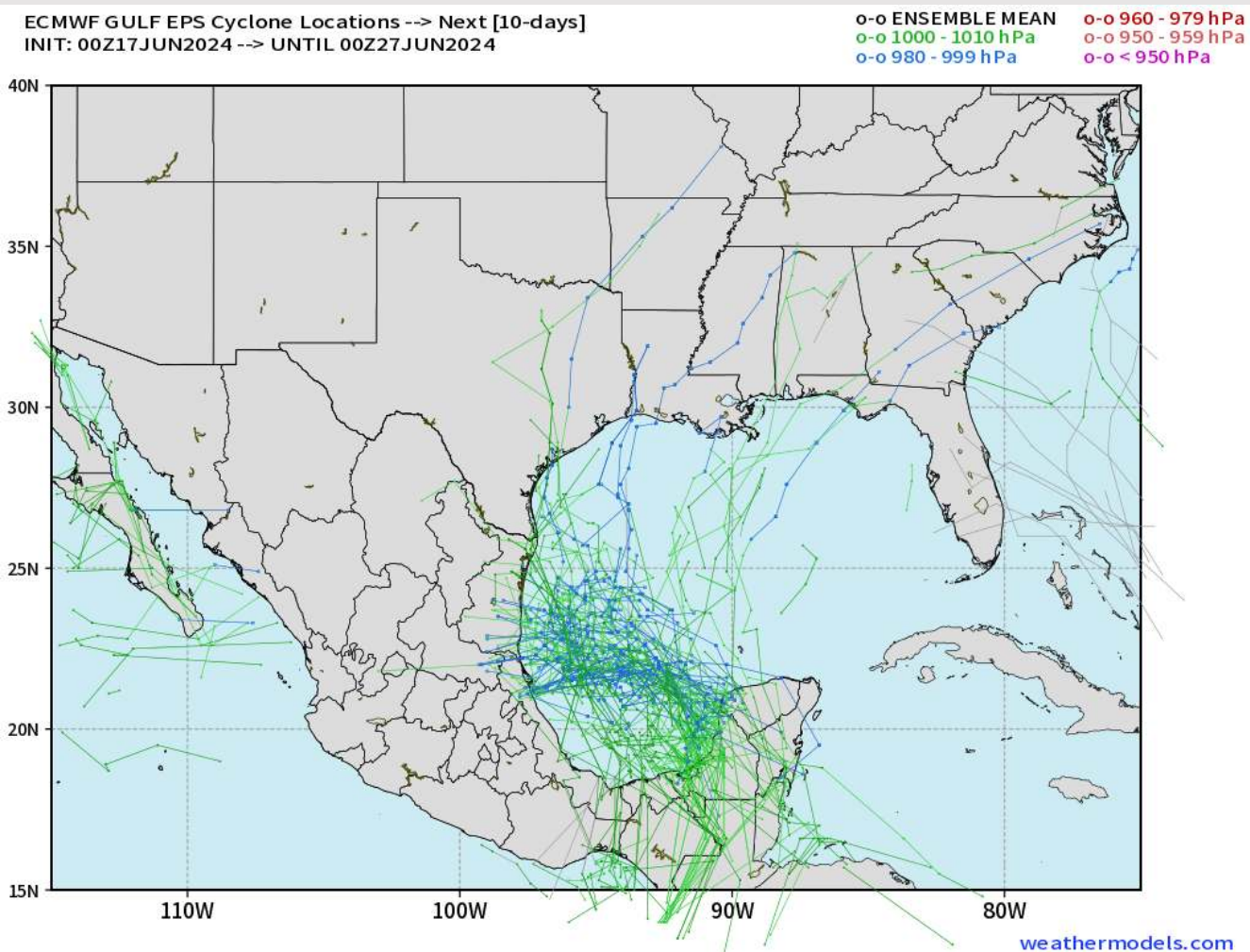
Port Condition	34 KTS+ Sustained Winds	6 Foot Waves	Time Remaining/Trigger End
Victor	N/A	N/A	N/A
Whiskey	N/A	N/A	N/A
X-Ray	N/A	N/A	N/A
Yankee	N/A	N/A	N/A
Zulu	<b>NO</b>	<b>IN EFFECT</b>	<b>7 AM CT FRI</b>

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	No
X-Ray	48 hours prior to predicted sustained winds of 34+ KTS or <b>6' wave height</b>	No
Yankee	24 hours prior to predicted sustained winds of 34+ KTS or <b>6' wave height</b>	No
Zulu	12 hours prior to predicted sustained winds of 34+ KTS or <b>6' wave height</b>	<b>YES</b>

**Wave heights ~6 ft towards Station 11/12 and the Boarding Station are anticipated to start at 10 PM CT MON. Waves will increase in height throughout the week, remaining at 6+ ft until ~7 AM FRI. More details on progression on wave height slide.**

# Houston Pilots Tropical Update

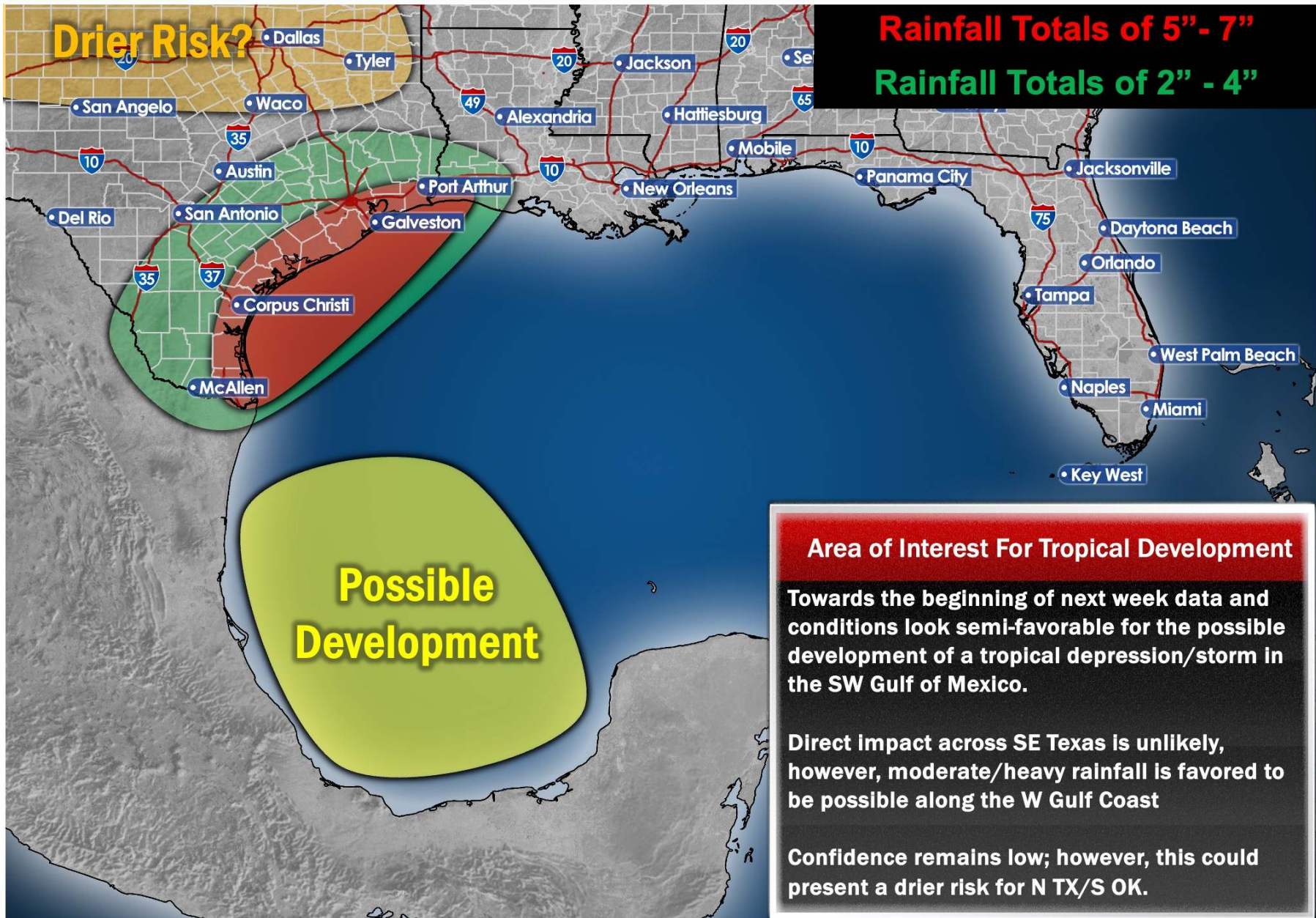
## European Model Next 10 Days - Tropical Tracks



Monitoring a tropical disturbance with the potential to become a Tropical Depression in the SW Gulf of Mexico between 6/18 - 6/21

As of MON AM, direct impact with Houston is not favored. Periods of moderate/heavy rain and higher seas will be possible during that timeframe.





**Rainfall Totals of 5" - 7"**  
**Rainfall Totals of 2" - 4"**

**Possible  
Development**

### Area of Interest For Tropical Development

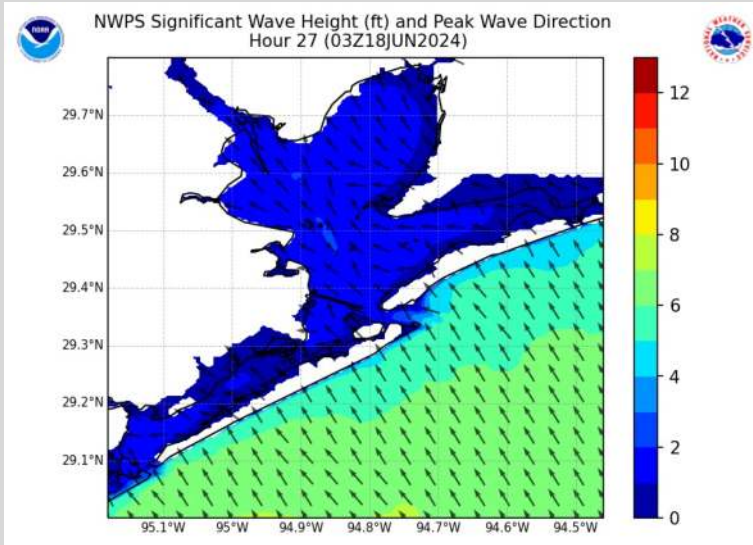
Towards the beginning of next week data and conditions look semi-favorable for the possible development of a tropical depression/storm in the SW Gulf of Mexico.

Direct impact across SE Texas is unlikely, however, moderate/heavy rainfall is favored to be possible along the W Gulf Coast

Confidence remains low; however, this could present a drier risk for N TX/S OK.

# Houston Pilots Wave Height Update

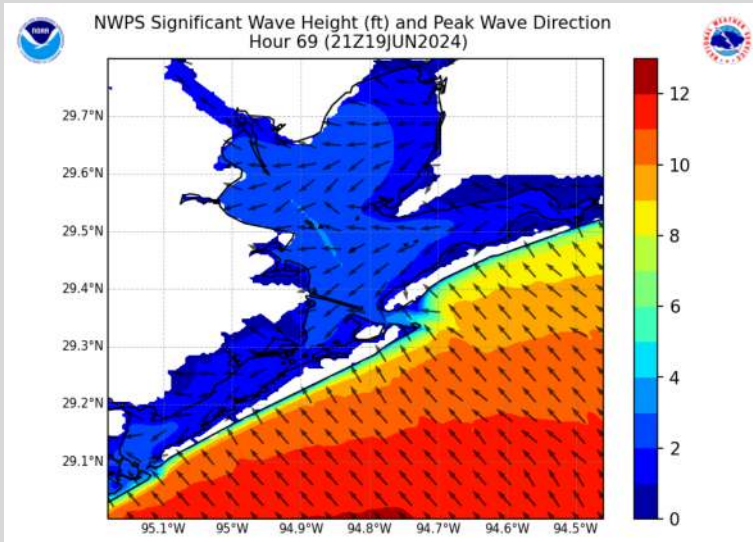
## Significant Wave Height Image



**10 PM CT MON**  
(START TIME)

6 ft waves anticipated start time around 10 PM tonight / MON.

The highest waves are favored to arrive around 4 AM WED and continue through 4 AM THU. Over this time frame, favored wave heights are ~8 - 10ft at station 11/12 and the Boarding Station. An occasional 11 ft wave around the Boarding Station cannot be ruled out.



**4 PM CT WED**  
(PEAK HEIGHTS)

Wave heights very slowly recede across THU. Heights are currently anticipated to drop below 6 ft threshold around 7 AM FRI.



# 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	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	4	8
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	2	7
51/52	10	10	10	10	10	10	10	10	10	10	10	10	10	9	10	10	10	10	10	10	10	10	10	2	7
37/38	10	10	10	10	10	10	10	10	10	10	10	10	10	9	10	10	10	10	10	10	10	10	10	2	8
25/26	10	10	10	10	10	10	10	10	10	10	10	10	10	9	10	10	10	10	10	10	10	10	10	5	9
11/12	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	10	10	10	10	10	10	10	10	7	10
1 & 2 Bravo	10	10	10	10	10	10	10	10	10	10	9	7	6	6	6	9	10	10	10	10	10	10	9	9	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	11	12	12	12	12	12	11	11	11	10	10	9	9	8	7	7	7	8	9	9	9	11	11	12
	22	23	24	24	25	24	22	22	21	20	19	18	17	17	16	16	15	15	15	17	18	20	23	24
	SE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	E	E	E	E	E	E	E	E	E
Kinder 1	11	12	12	12	12	12	11	11	11	10	10	9	9	8	8	7	7	7	9	9	9	11	11	12
	22	23	24	23	24	23	22	22	21	20	19	19	17	17	16	16	15	15	15	17	18	21	22	24
	SE	ESE	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	E	E	E	E	E	E	E	E	
Greens Bayou	11	12	12	12	12	12	11	11	11	10	10	9	9	8	8	7	7	7	9	9	9	10	11	11
	21	22	23	23	24	23	22	22	21	20	19	19	18	17	16	16	15	15	15	17	18	20	22	23
	SE	ESE	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	E	E	E	E	E	E	E	E	
Shell Crude	11	12	12	12	12	12	11	11	11	10	10	9	9	9	8	8	8	8	8	9	9	11	11	12
	21	22	23	23	24	23	22	22	21	20	20	19	18	18	17	17	16	16	16	18	19	21	22	23
	SE	ESE	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	SE	ESE	ESE	E	E	E	E	E	E	E	E	
Lynchburg Ferries	12	12	12	12	13	12	11	11	11	10	10	9	9	8	8	7	7	7	9	9	9	11	11	12
	21	22	23	23	24	23	22	22	21	20	20	19	18	17	16	16	15	15	15	17	18	20	22	22
	SE	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E	E	E	E	E	E	E	E	
Exxon 3	14	14	15	15	16	15	15	16	16	16	16	15	15	15	14	13	13	13	13	13	14	14	14	15
	21	22	23	23	24	23	22	23	23	22	21	21	19	19	18	18	18	18	18	19	20	21	22	23
	SE	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E	E	E	E	E	E	E	
Morgans Point	14	14	15	15	16	15	15	16	17	16	16	16	15	15	15	14	13	13	14	14	14	14	15	15
	21	22	23	23	24	23	23	23	23	23	22	21	20	20	19	19	19	19	20	20	21	23	23	
	SE	SE	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	SE	ESE	ESE	ESE	E	E	E	E	E	E	E	
75/76	14	16	16	16	17	17	17	17	18	18	18	18	17	17	17	17	16	16	16	15	16	16	16	17
	22	23	24	24	25	25	25	25	25	25	24	24	23	23	22	22	22	22	21	22	23	23	24	26
	SE	SE	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E	E	E	E	E	E	
63/64	15	16	16	17	18	17	17	18	18	18	18	18	17	17	17	17	17	16	16	17	17	17	17	17
	23	23	25	25	25	25	25	25	25	25	24	23	23	23	23	23	23	23	22	23	23	24	25	27
	SE	SE	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	SE	ESE	ESE	ESE	ESE	ESE	E	ESE	E	E	E	
51/52	15	16	17	17	18	17	18	18	19	19	19	19	18	18	18	17	17	17	17	17	18	18	18	19
	22	23	25	25	25	25	25	25	26	25	25	25	24	24	24	23	23	23	23	24	25	26	27	
	SE	SE	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E	E	E	E	
37/38	15	16	17	17	18	17	18	18	19	19	19	19	18	18	17	17	17	17	17	17	18	18	19	19
	22	23	25	25	25	26	25	25	26	25	25	25	24	24	24	24	23	23	23	24	25	26	27	28
	SE	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E	E	E	E	
25/26	14	16	16	17	17	17	17	18	18	18	18	18	17	17	17	17	17	17	16	17	17	18	19	19
	22	23	25	25	25	25	25	25	26	25	25	25	24	24	24	24	23	23	23	24	24	26	27	28
	SE	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E	E	E	E	
11/12	14	16	16	16	16	16	16	17	17	16	16	16	15	15	15	15	15	15	15	16	17	17	18	18
	21	23	23	24	25	25	24	25	25	24	24	24	23	23	23	23	23	23	23	23	24	25	26	28
	SE	SE	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E	E	E	E	
1 & 2 Bravo	16	16	18	18	19	19	19	19	19	19	19	19	19	19	19	18	18	18	17	19	19	20	21	21
	23	24	25	25	26	27	26	26	27	26	26	26	25	26	25	25	25	25	24	26	27	27	29	29
	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E	E	E	E	E	

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# Houston Pilots: Mon. 6/17/2024



## Forecast Discussion

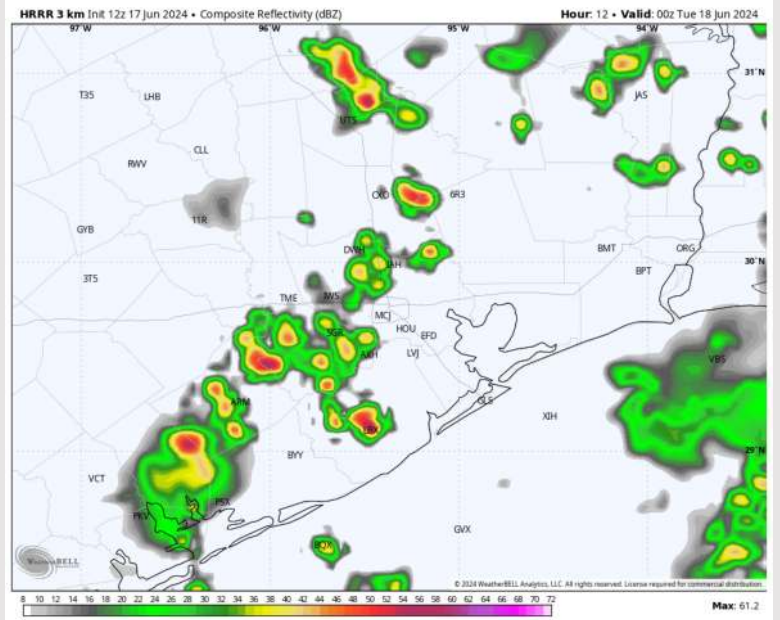
## Precip Image: 7 PM CT

**Precip:** Scattered showers and storms are expected to continue throughout much of the day today, tapering off after 11 PM. **A few storms have the potential to become strong to locally severe with lightning, isolated hail, downpours and gusts of 35-45+ MPH.**

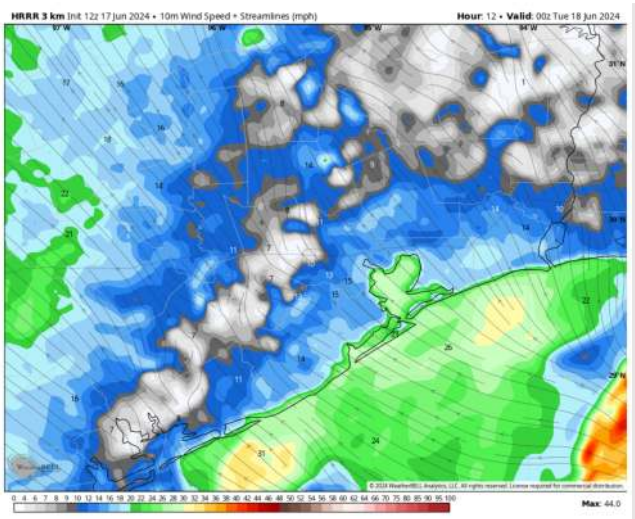
**Wind:** Winds will remain out of the SE today. **N of Morgan's Point:** Winds will be at 8-13 kts for the remainder of the day. **S of Morgan's Point:** Winds at 18-23 kts through ~6 PM, then winds will increase to 23-28 kts. **A few non-storm gusts of 25-30kts can't be ruled out for stations S of Morgan's Point throughout the afternoon.**

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

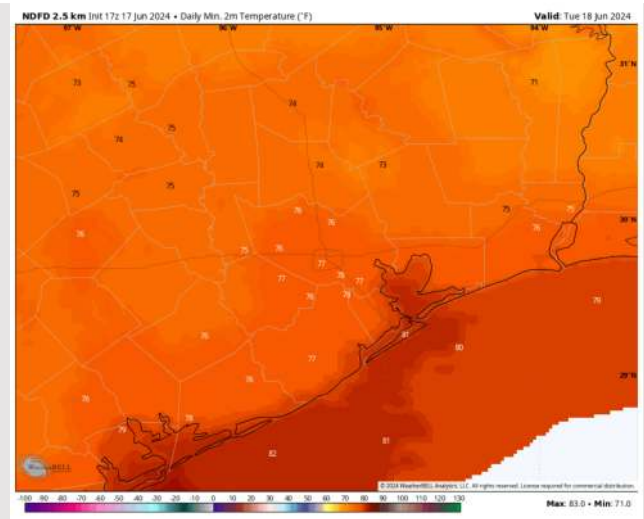
**Visibility:** Not anticipating any fog concerns for today, however reduced visibilities possible under heavier downpours.



Wind Speed:  
7 PM CT



Low Temps  
TUE AM





# Houston Pilots: Tue. 6/18/2024



## Forecast Discussion

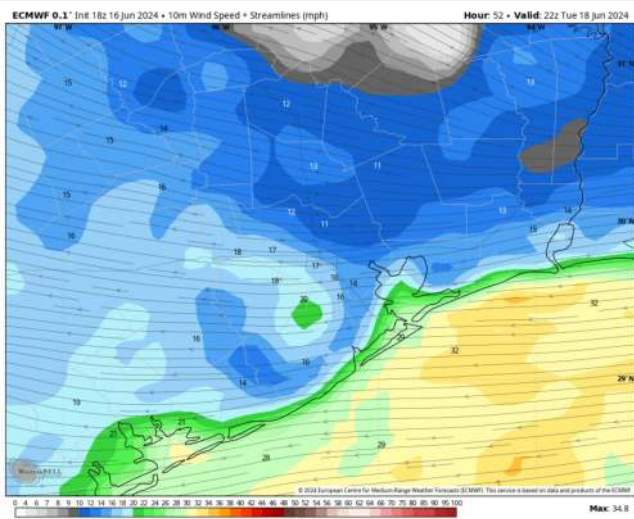
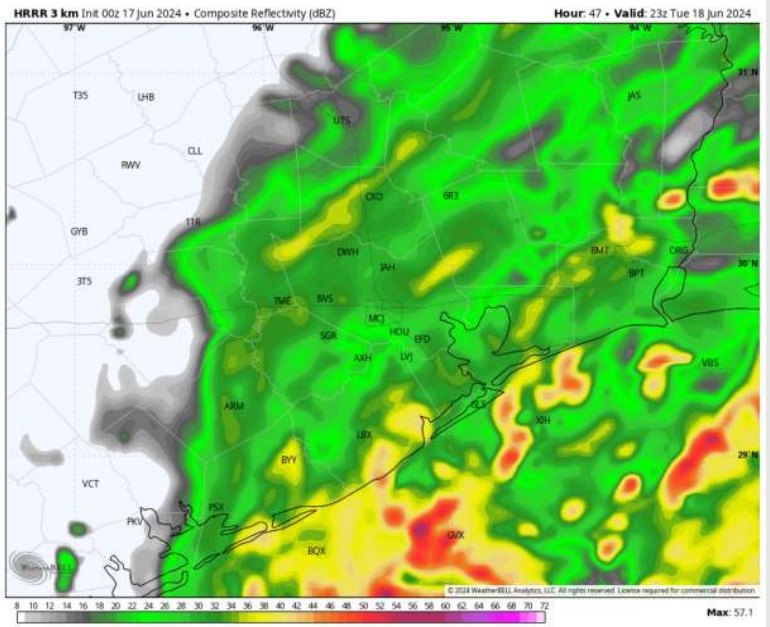
**Precip:** Favoring dry conditions through 10 AM TUE before scattered to widespread showers/thunderstorms work into the area. These chances will continue into the PM hours. **Main risks with thunderstorms will be lightning, hail and strong wind gusts (details below).**

**Wind:** Winds will be out of the southeast through 10 AM before shifting to out of the east. **N of Morgan's Point:** Winds at 8-13 kts through 10 AM before increasing to 12-17 kts. **Thunderstorm-related wind gusts of 24-29 kts will be possible after 10 AM.** **S of Morgan's Point:** Winds at 18-23 kts through 10 AM before increasing to 26-31 kts for the remainder of the day. **Thunderstorm-related wind gusts of 35-40 kts will be possible after 10 AM.**

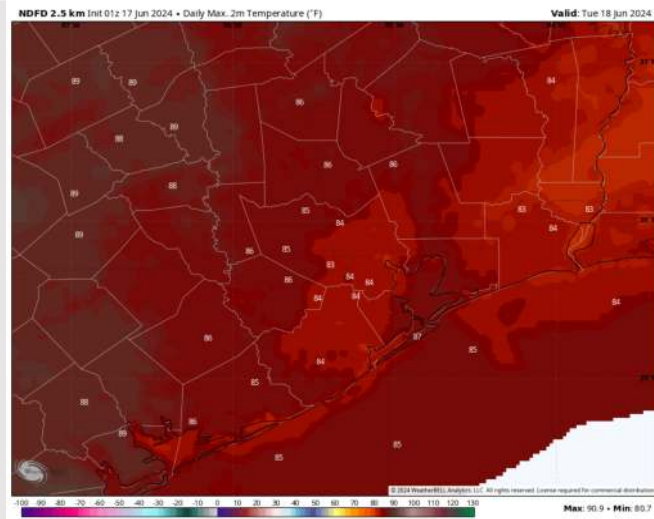
**High Temps:** **N of Morgan's Point:** Mid 80s F **S of Morgan's Point:** Mid 80s F.

**Visibility:** Not anticipating any fog concerns for Tuesday, however reduced visibilities possible under heavier downpours.

## Precip Image: 5 PM CT



Wind Speed:  
5 PM CT



High Temps  
Tuesday

## Forecast Discussion

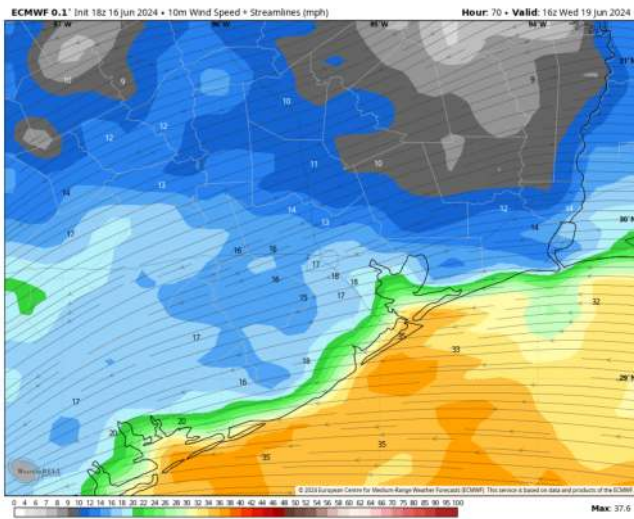
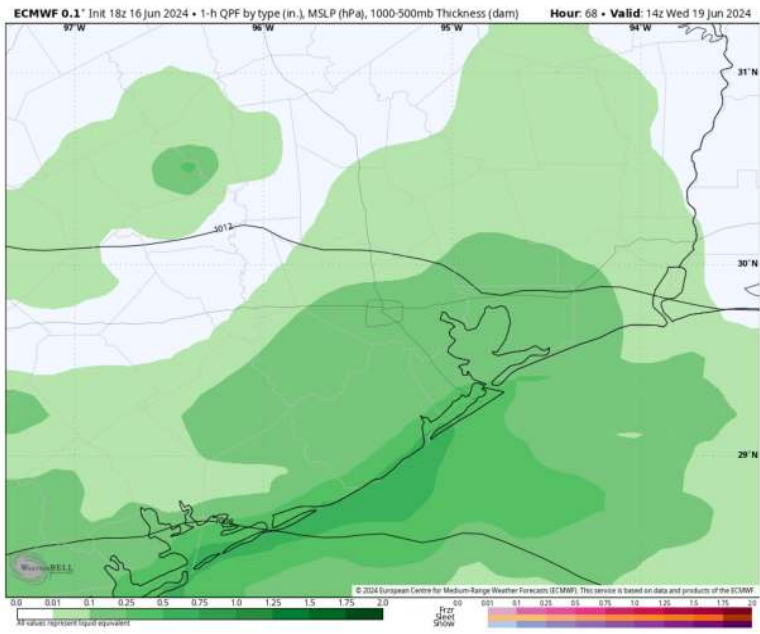
**Precip:** Widespread showers/thunderstorms continue into WED and will linger throughout the day. **Main risks with thunderstorms will be lightning, hail and strong wind gusts (details below).**

**Wind:** Winds will be out of the E/ESE throughout the day WED. **N of Morgan's Point:** Favoring winds at 12-17 kts throughout Wednesday. **Thunderstorm-related wind gusts of 24-29 kts in play throughout the day.** **S of Morgan's Point:** Favoring winds at 26-31 kts throughout the entire day. **Thunderstorm-related wind gusts of 35-40 kts in play throughout the day**

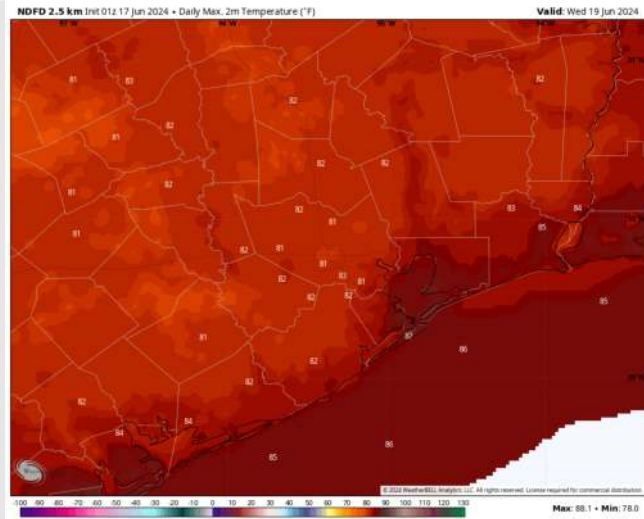
**High Temps:** **N of Morgan's Point:** Low 80's F. **S of Morgan's Point:** Mid 80s F.

**Visibility:** Not favoring any visibility concerns for Wednesday, however reduced visibilities possible under heavier downpours.

### Precip Image: 9 AM CT



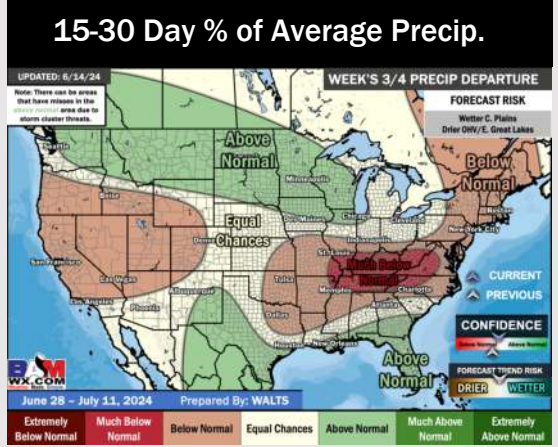
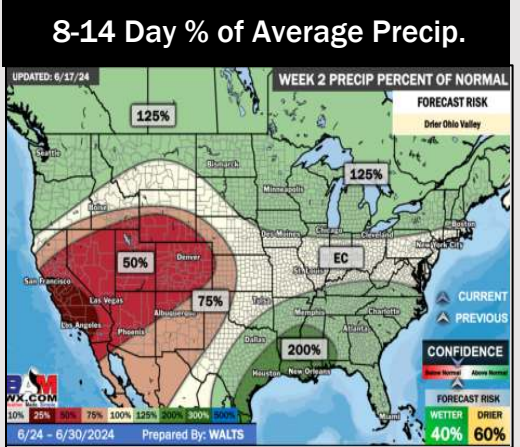
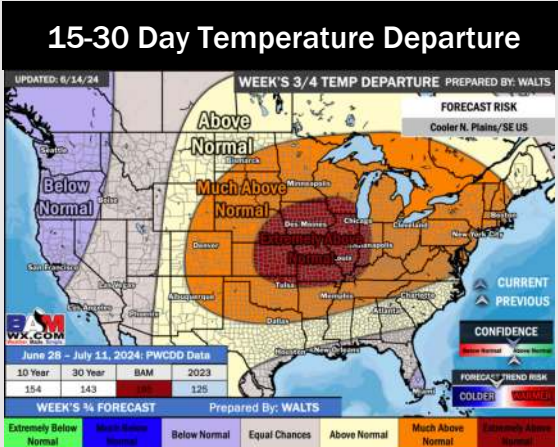
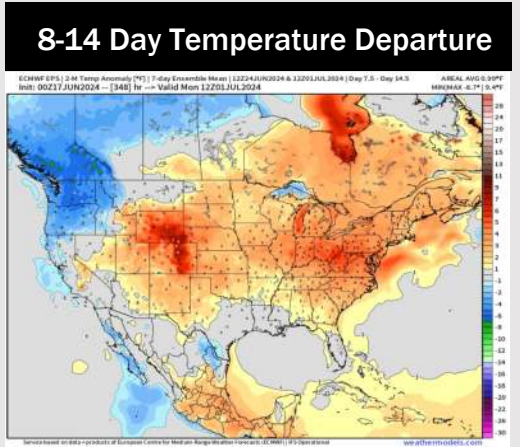
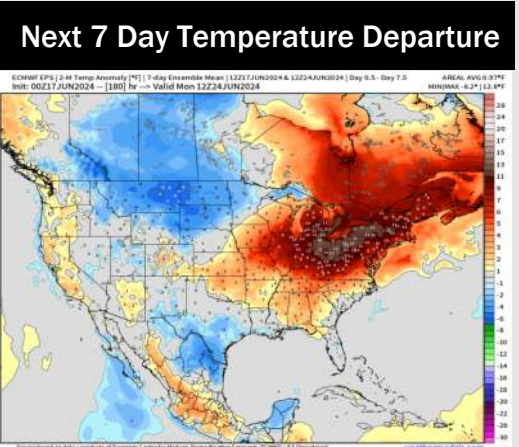
Wind Speed  
11 AM CT



High Temps  
Wednesday



# Houston Pilots: 6/17/24



- Temps are expected to be near / slightly below normal for the week 1 timeframe. Monitoring risk for moderate/heavy rain beginning TUE associated with a tropical system. **(Check custom graphic for more information)**
- Above normal precipitation chances are at play during the week 2 timeframe. Temps are expected to be near normal for week 2.
- Above normal chances for precipitation and near normal temperatures are favored in the weeks 3/4 timeframe.