

Houston Pilots Forecast Package



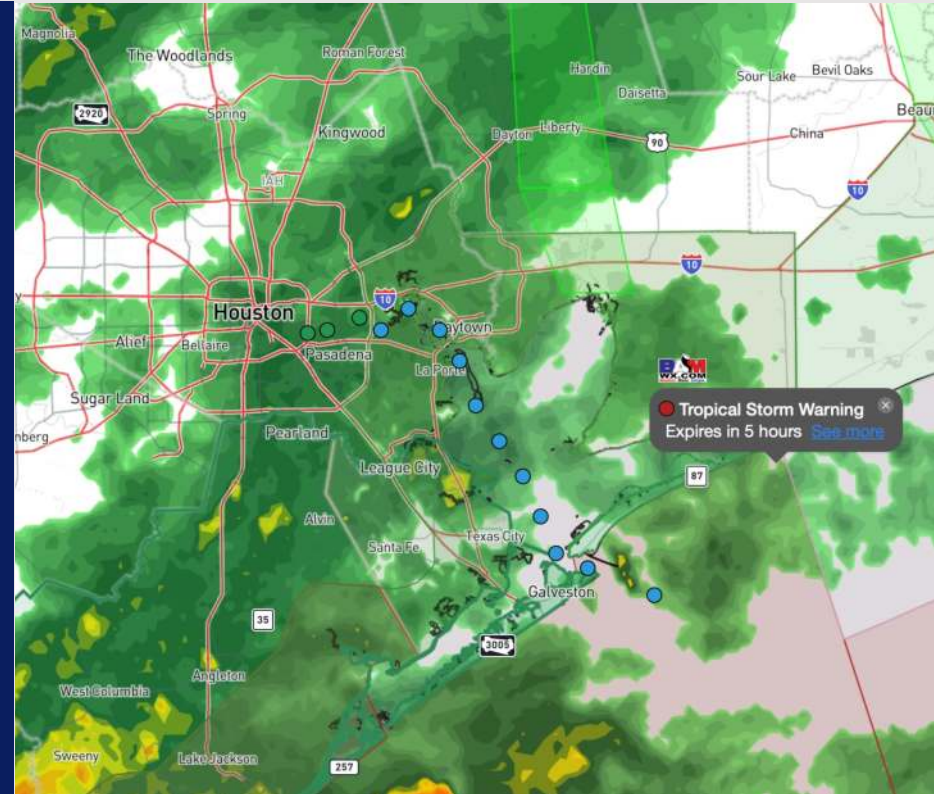
Updated: 7:00 AM CT

Wednesday, June 19, 2024

Forecaster: Alyssa Elliott

Weather Headlines

- Stronger wind gusts will continue across the area now through THU PM.
- Zulu port conditions in effect. See slides below for timing and anticipated wave heights.
- Scattered to widespread showers/storms expected to continue through now into THU.
- Check custom graphic below for current track of the Potential Tropical Cyclone One.



Current Radar: 7:00 AM CT

Click link to the right for video briefing: [Video](#)



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	YES	IN EFFECT	4 AM CT FRI

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 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	YES

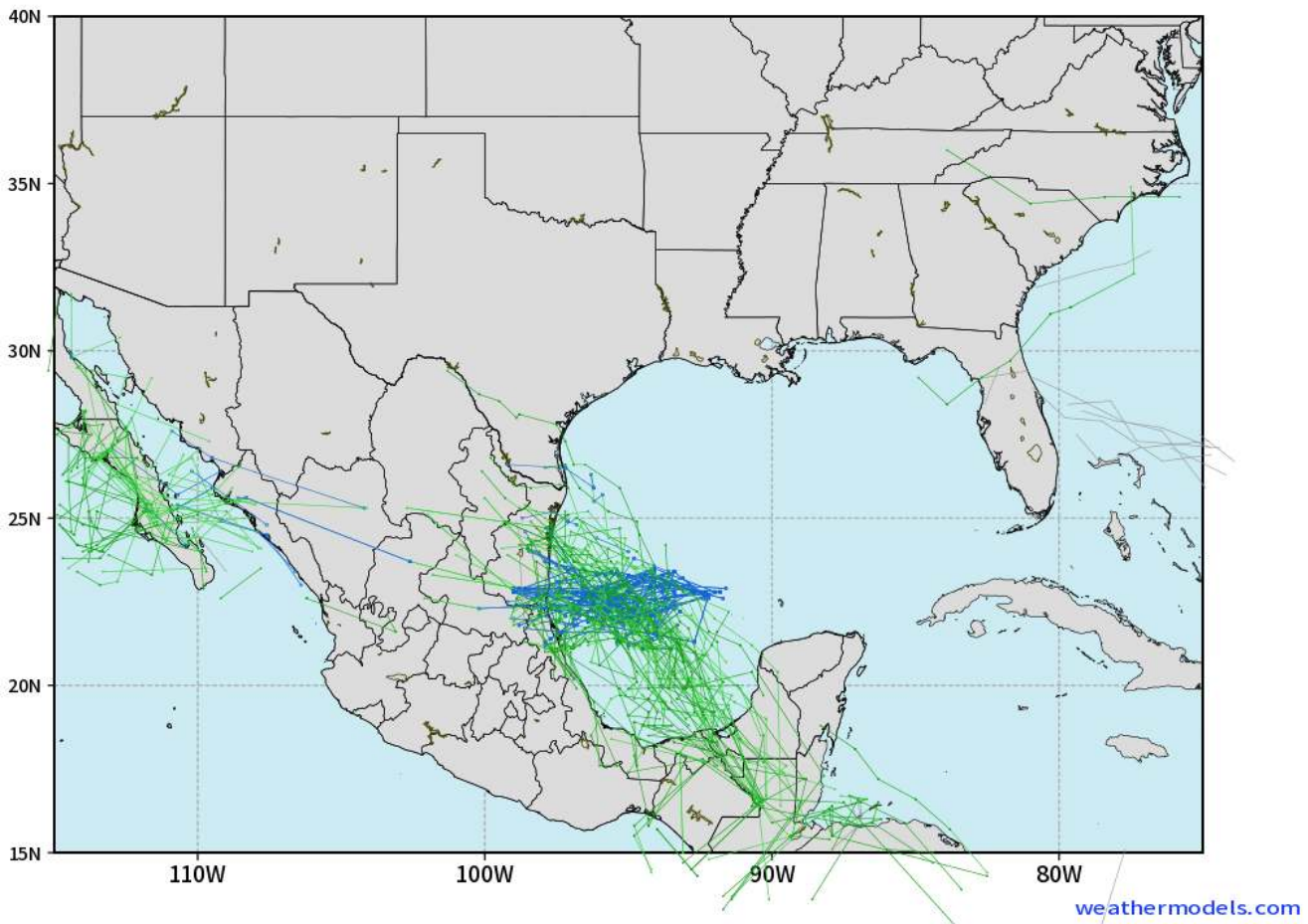
Wave heights ~6 ft towards Station 11/12 and the Boarding Station are anticipated to continue to gradually increase in height throughout the week, remaining at 6+ ft until ~4 AM FRI. **More details on progression on wave height slide.**

Houston Pilots Tropical Update

European Model Next 10 Days - Tropical Tracks

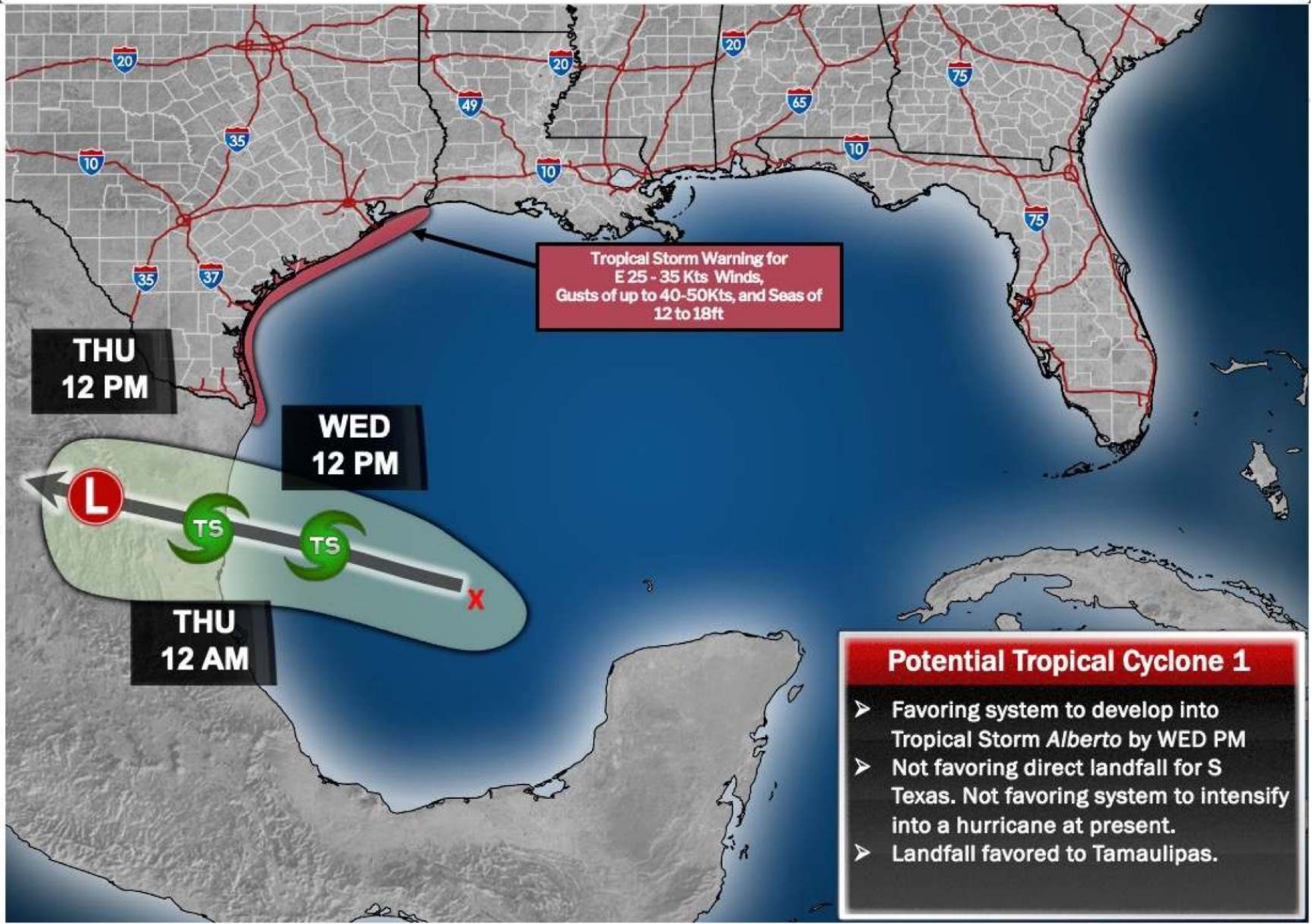
ECMWF GULF EPS Cyclone Locations --> Next [10-days]
INIT: 00Z19JUN2024 --> UNTIL 00Z29JUN2024

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



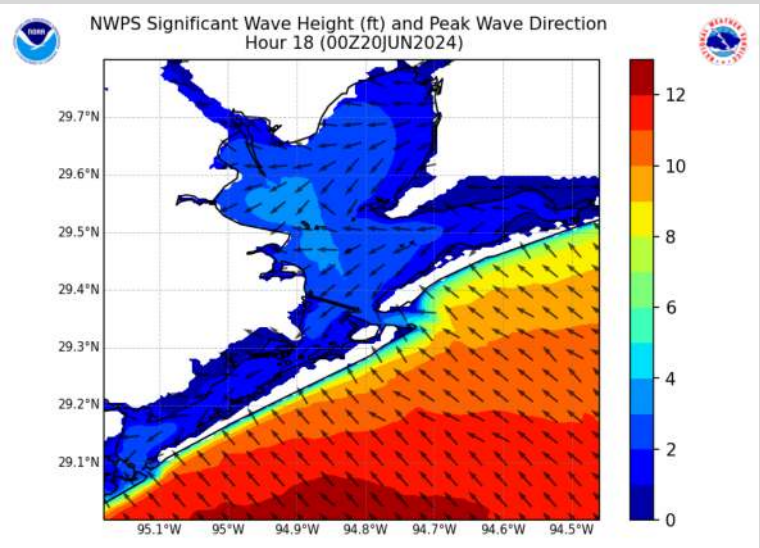
Monitoring a Potential Tropical Cyclone with the potential to become a Tropical Storm in the SW Gulf of Mexico through the 21st.

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



Houston Pilots Wave Height Update

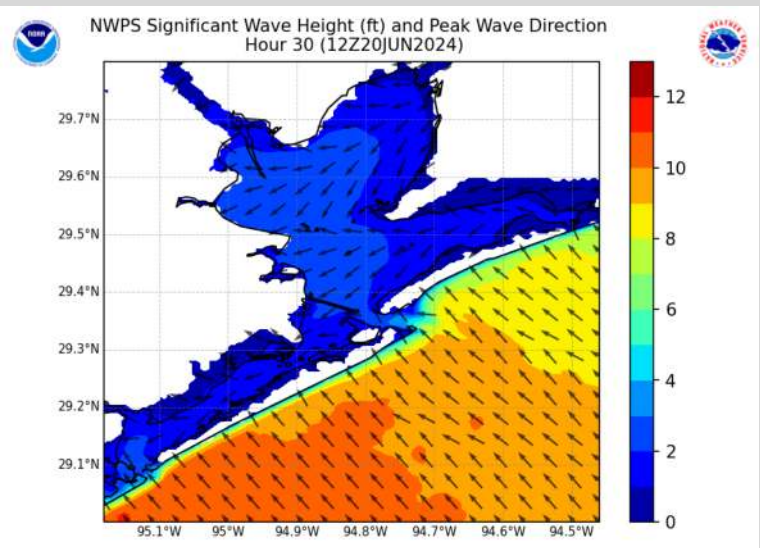
Significant Wave Height Image



7 PM CT WED

Wave heights of 6+ ft will continue to increase throughout the day today.

The highest waves will begin around 4 PM and will continue until 7 AM at ~8 - 10ft at Station 11/12 and the Boarding Station. An occasional 11-12 ft wave around the Boarding Station cannot be ruled out. Waves heights will peak around 10 PM.



7 AM CT THU

Wave heights very slowly recede across THU. Heights are currently anticipated to drop below 6 ft threshold around 4 AM FRI.

Houston Pilots Visibility Chart (miles)



Forecast Confidence



Time	Wed 8am	Wed 9am	Wed 10am	Wed 11am	Wed 12pm	Wed 1pm	Wed 2pm	Wed 3pm	Wed 4pm	Wed 5pm	Wed 6pm	Wed 7pm	Wed 8pm	Wed 9pm	Wed 10pm	Wed 11pm	Thu 12am	Thu 1am	Thu 2am	Thu 3am	Thu 4am	Thu 5am	Thu 6am	Thu 7am	
610 Bridge	6	4	4	4	2	3	6	10	6	6	6	7	6	10	10	10	10	10	10	10	10	10	10	10	9
Kinder 1	5	4	4	4	2	9	6	10	6	6	6	7	6	10	10	10	10	10	10	10	10	10	10	10	9
Greens Bayou	4	4	4	4	2	9	6	10	6	6	6	6	6	10	10	10	10	10	9	10	10	10	10	10	6
Shell Crude	4	4	4	4	2	9	6	10	6	6	6	6	6	9	10	10	10	9	9	9	9	10	10	10	6
Lynchburg Ferries	4	4	4	4	2	9	6	10	6	6	6	6	6	9	10	10	10	9	9	10	9	10	10	10	6
Exxon 3	3	4	4	4	2	9	6	10	6	6	6	6	6	9	10	10	10	9	9	9	8	9	10	10	6
Morgans Point	3	3	3	3	2	6	6	10	6	6	6	6	6	9	10	10	10	8	8	8	8	9	9	9	6
75/76	3	4	3	4	3	4	5	6	6	6	6	6	6	9	10	9	6	6	6	6	6	6	6	9	9
63/64	4	4	3	4	3	4	5	6	6	6	6	6	6	9	10	9	6	6	5	6	6	6	6	9	9
51/52	4	4	3	4	3	2	5	6	6	6	6	7	7	9	10	9	6	6	6	6	6	6	6	10	10
37/38	5	4	3	3	3	2	5	6	6	6	6	7	7	9	10	9	6	6	6	6	6	6	6	10	10
25/26	5	4	3	3	3	2	5	6	6	6	6	7	7	10	10	10	6	6	6	6	8	9	10	10	10
11/12	5	4	3	3	2	3	5	6	6	6	6	7	7	10	10	10	6	6	6	6	6	6	6	10	10
1 & 2 Bravo	5	4	3	3	2	2	4	5	5	6	6	9	9	10	9	8	6	5	5	6	6	6	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	Wed 7am	Wed 8am	Wed 9am	Wed 10am	Wed 11am	Wed 12pm	Wed 1pm	Wed 2pm	Wed 3pm	Wed 4pm	Wed 5pm	Wed 6pm	Wed 7pm	Wed 8pm	Wed 9pm	Wed 10pm	Wed 11pm	Thu 12am	Thu 1am	Thu 2am	Thu 3am	Thu 4am	Thu 5am	Thu 6am
610 Bridge	13	13	13	12	13	13	13	13	13	13	13	12	11	12	12	12	12	12	11	11	11	11	11	11
	24	24	24	25	26	26	26	27	27	27	26	26	24	25	25	25	25	25	24	23	23	23	22	22
Kinder 1	12	13	12	12	13	13	13	13	13	13	13	12	11	11	12	12	12	12	11	11	11	11	11	11
	24	24	24	25	25	26	26	27	27	27	26	26	25	25	25	25	25	24	23	23	23	22	22	21
Greens Bayou	12	13	12	12	12	13	12	13	13	13	13	12	11	11	11	12	12	11	11	11	11	11	11	10
	24	24	24	25	25	25	25	25	25	25	25	25	24	24	24	24	25	24	23	23	23	22	22	21
Shell Crude	12	13	13	13	13	13	13	13	13	13	13	13	11	11	12	12	12	12	11	11	11	11	11	11
	24	24	24	25	25	25	26	26	26	26	25	25	25	25	25	25	25	25	24	23	23	22	22	22
Lynchburg Ferries	12	13	13	13	13	13	13	13	13	13	13	13	11	11	11	11	11	11	11	11	10	10	10	10
	24	24	24	25	24	24	25	25	25	26	25	25	24	24	24	24	24	25	24	23	23	22	22	21
Exxon 3	18	18	17	17	16	17	16	17	16	16	17	16	16	17	17	18	18	18	17	18	17	17	17	17
	25	25	24	25	25	25	26	26	26	26	26	26	25	26	26	27	26	26	25	25	24	23	23	23
Morgans Point	18	18	17	17	17	17	17	17	17	17	17	17	17	18	19	19	19	19	18	18	18	17	17	17
	25	25	25	25	26	26	26	27	27	27	26	27	26	27	28	28	27	27	26	26	25	24	24	23
75/76	20	21	20	19	19	19	19	19	19	20	20	20	20	21	21	21	21	21	21	21	21	19	19	19
	28	29	29	28	28	28	28	29	30	30	30	29	29	30	30	30	30	31	30	29	29	28	27	26
63/64	21	21	21	20	20	20	20	21	21	21	21	21	21	22	22	22	22	23	22	21	21	20	20	19
	29	30	30	29	30	30	29	30	31	30	31	31	31	31	31	31	31	32	31	30	30	29	28	27
51/52	22	23	22	21	21	21	21	22	23	22	23	23	23	23	24	23	24	23	23	23	22	21	21	21
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37/38	22	23	23	22	22	21	21	23	23	22	23	23	23	23	24	23	24	23	22	23	22	21	21	21
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25/26	22	22	22	22	22	22	21	23	23	23	23	22	23	23	23	23	23	23	21	21	21	21	21	20
	31	32	32	32	32	32	32	33	34	34	34	33	34	34	34	34	34	33	31	31	31	29	29	28
11/12	20	21	21	21	21	21	20	22	23	22	21	21	21	22	22	21	21	19	19	19	19	19	19	18
	30	31	31	31	31	32	31	33	33	33	34	33	34	34	34	33	33	32	30	30	30	28	28	27
1 & 2 Bravo	24	25	24	24	25	25	25	25	25	25	25	25	25	26	26	25	25	23	23	23	22	22	21	21
	33	34	34	34	34	35	36	37	37	37	37	36	35	37	36	35	34	34	33	32	32	31	31	30

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Forecast Discussion

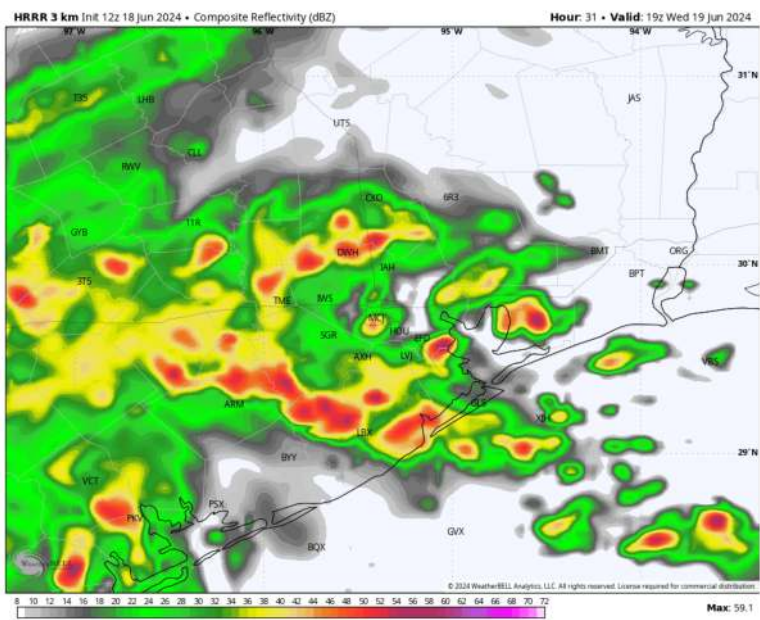
Precip: Widespread showers/thunderstorms continue through today. Showers and thunderstorms will become more scattered in nature by 12 PM, where they will persist throughout the remainder of the evening. **Main risks with thunderstorms will be lightning, isolated hail and strong wind gusts (details below).**

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 28-33 kts will be possible throughout the day.** **S of Morgan's Point:** Favoring winds at 28-33 kts throughout the entire day. **Thunderstorm-related wind gusts of 38-43 kts in play throughout the day**

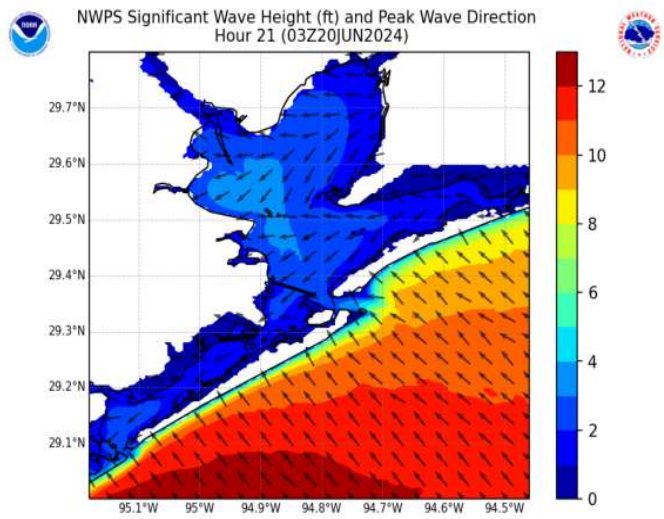
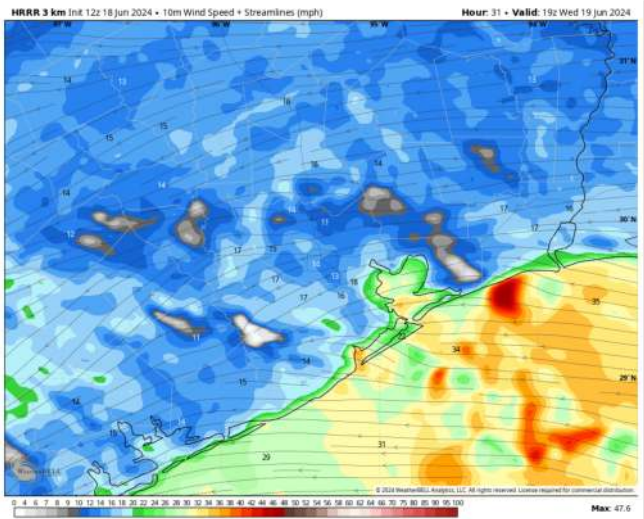
Wave Heights: Wave heights will continue to increase, reaching 9-11 ft by 10 AM CT WED for Stations 11/12 and the Boarding Station (an occasional 11-12 wave cannot be ruled out). Heights will remain at 8+ ft throughout WED.

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

Precip Image: 2 PM CT



Wind Speed
2 PM CT



Max Wave
Heights:
10 PM CT

Forecast Discussion

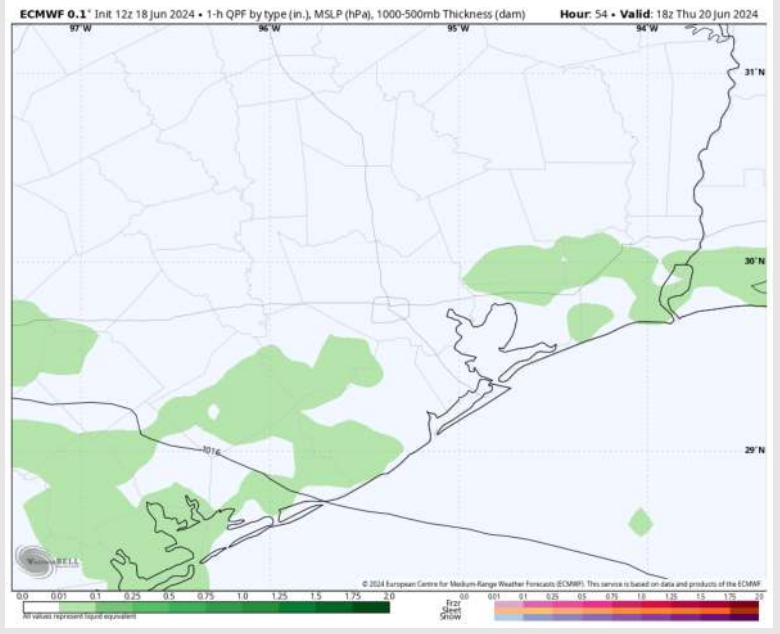
Precip: Lingering scattered rain/storms to continue throughout the day on THU (20%). **A few storms have the potential to produce wind gusts of 35-40 kts.**

Wind: Winds will be out of the E/SE throughout the day THU. **N of Morgan's Point:** Winds will be at 9-14 kts for the entire day. **S of Morgan's Point:** Winds at 22-26 kts through the day on THU. **Non-thunderstorm wind gusts of 28-33 kts will be possible S of Morgan's Point throughout the day and N of Morgan's Point from 10 AM to 6 PM.**

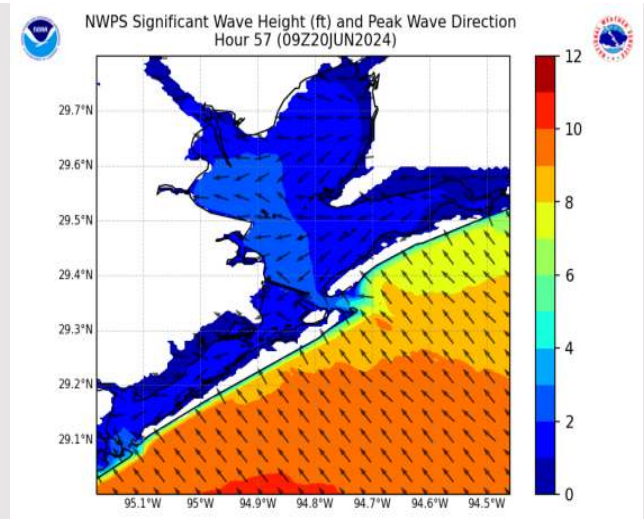
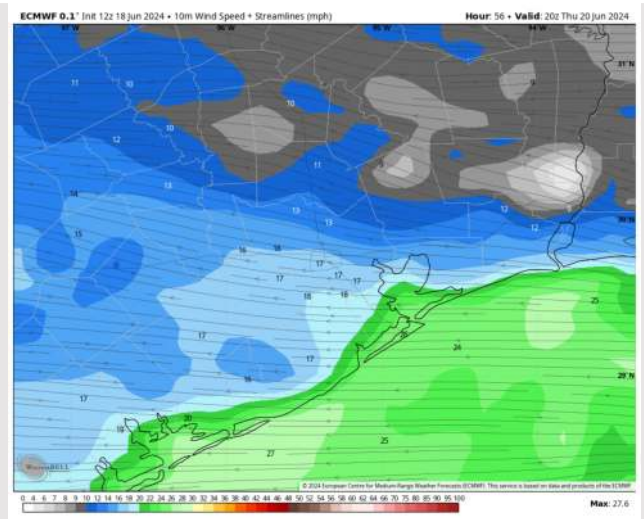
Wave Heights: Wave heights of 8-10 ft will continue for Stations 11/12 and the Boarding Station through ~4 AM CT THU. After 4 AM, wave heights will gradually decrease, however remain above 6 ft throughout all of THU.

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

Precip Image: 1 PM CT



**Wind Speed:
3 PM CT**



**Max Wave Heights:
4 AM CT**

Houston Pilots: Fri. 6/21/2024



Forecast Discussion

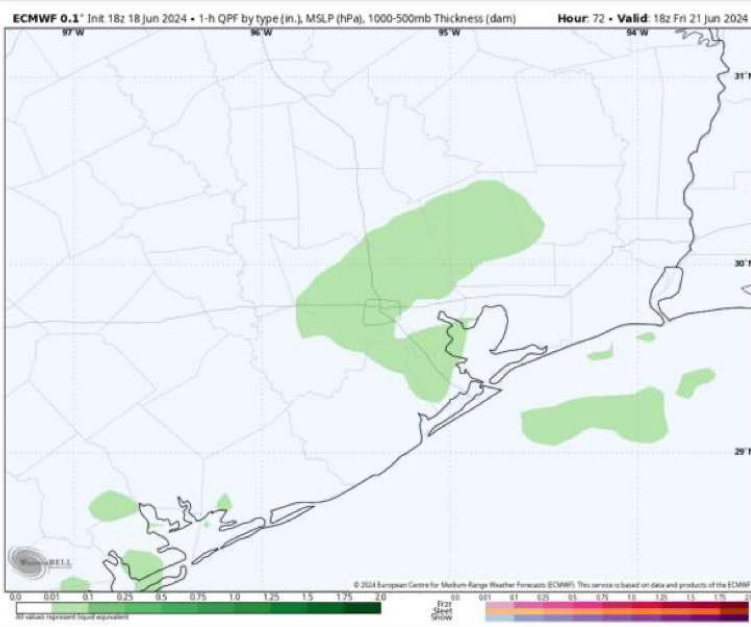
Precip: Scattered showers and thunderstorms (30%) will continue across the area through 6 PM before becoming rather hit/miss (10%) the rest of the evening.

Wind: Winds will be out of the E/SE throughout FRI. **N of Morgan's Point:** Winds at 5-10 kts throughout the day with a slight increase to 8-13 kts from 12-6 PM. **S of Morgan's Point:** Winds at 18-23 kts for the entire day FRI. **Gusts ranging from 19-24 kts possible from 11 AM to 7 PM at all stations.**

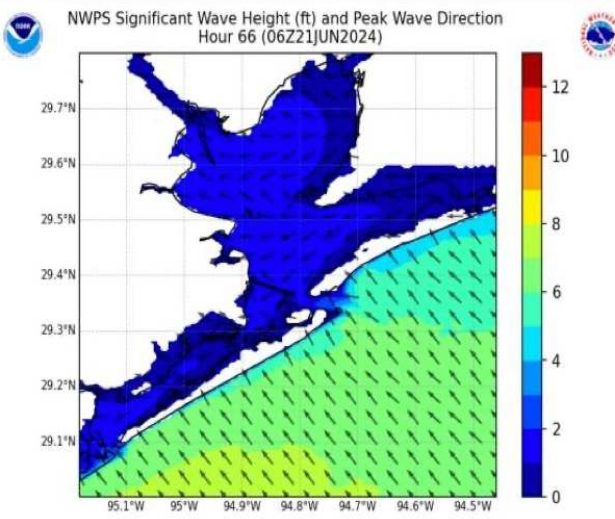
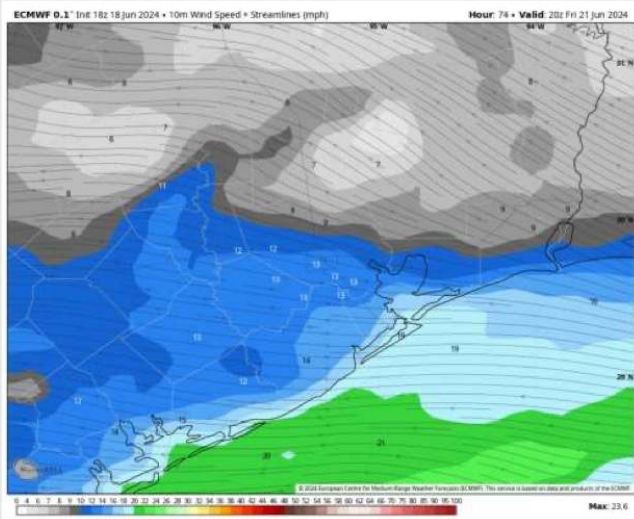
Wave Heights: Wave heights be at 6-7 ft through 4 AM CT FRI. After 4 AM, wave heights will reach under 6 ft and remaining there as they decrease the rest of the day.

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

Precip Image: 1 PM CT

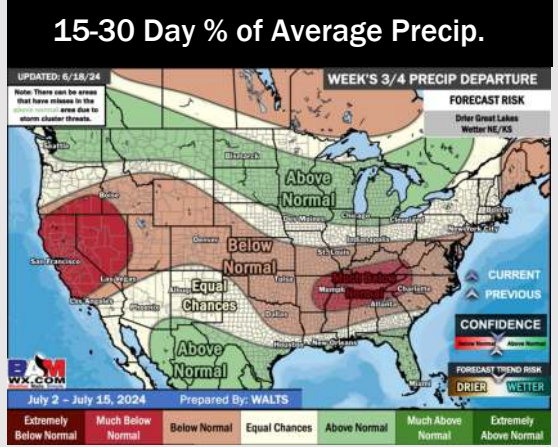
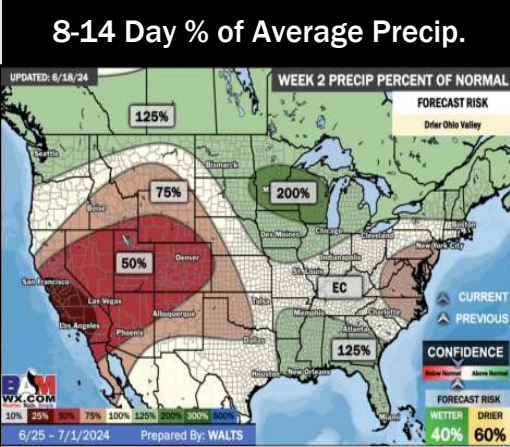
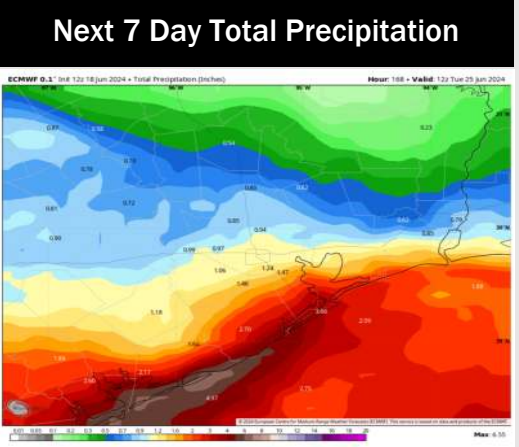
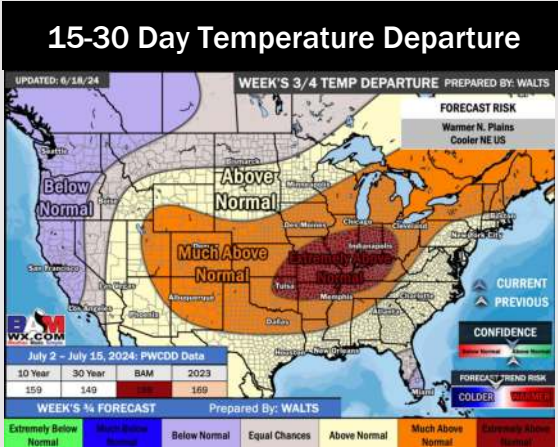
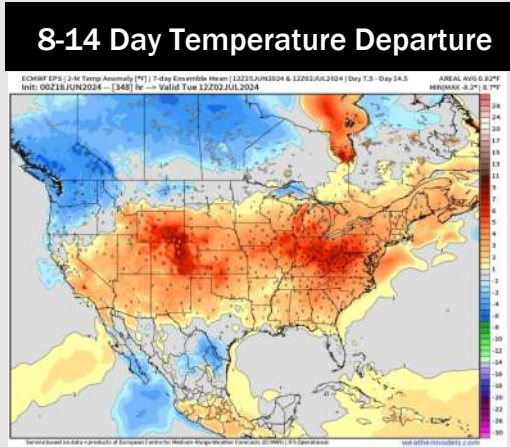
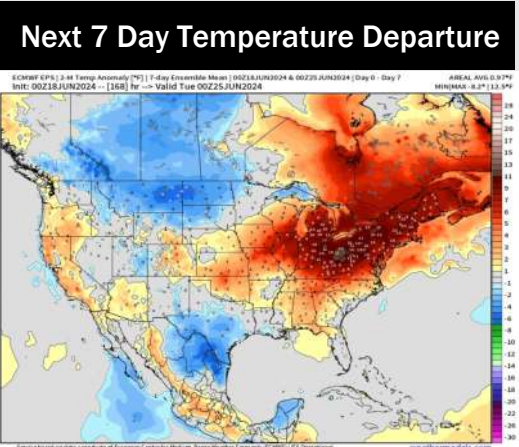


Wind Speed:
3 PM CT



Max Wave Heights:
1 AM CT

Houston Pilots: 6/19/24



- Temps are expected to be near / slightly below normal for the week 1 timeframe. Monitoring risk for moderate/heavy rain through THU 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.