

Houston Pilots Forecast Package



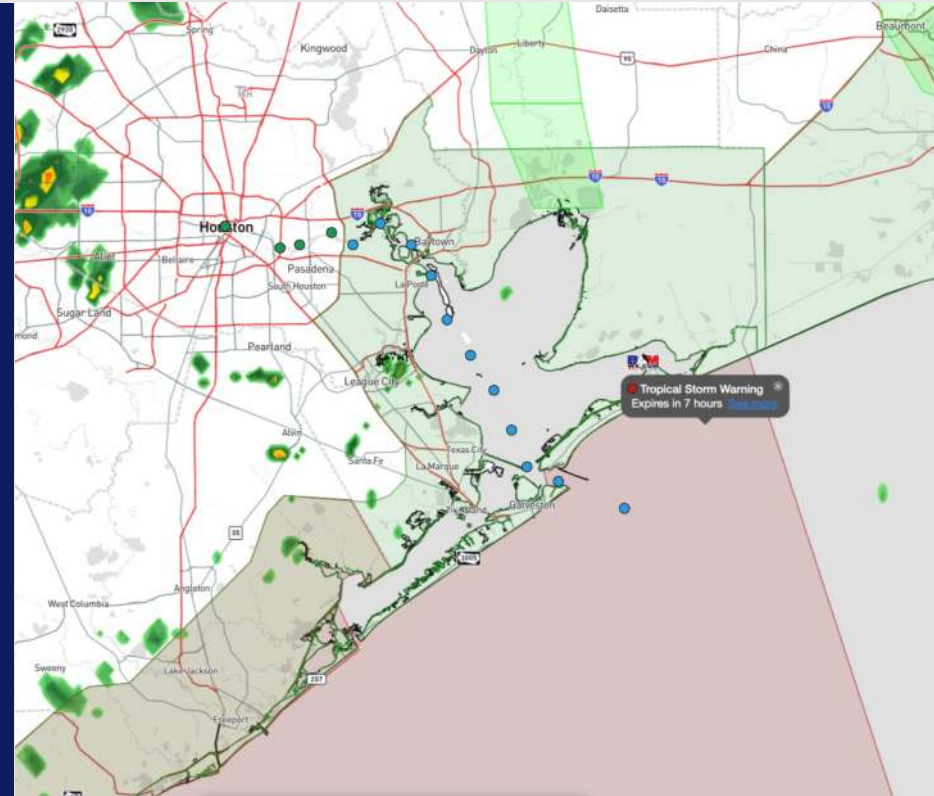
Updated: 11:00 PM CT

Wednesday, June 19, 2024

Forecaster: Xander Lowry

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 Tropical Storm Alberto.



Current Radar: 7:00 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 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

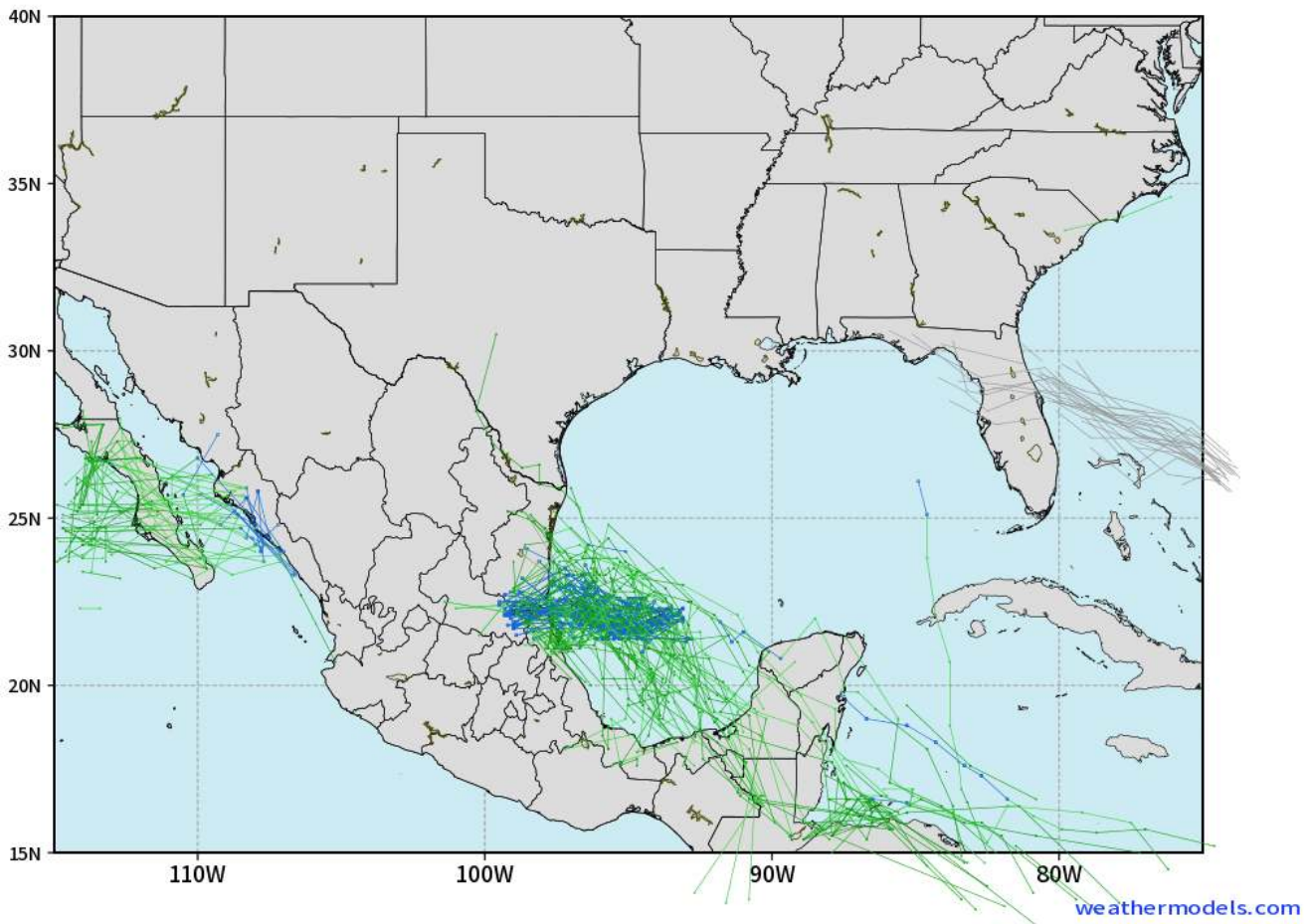
Wave heights ~6 ft towards Station 11/12 and the Boarding Station are anticipated to continue to gradually increase in height throughout the week, remaining at 6+ ft until ~4 AM FRI. **More details on progression on wave height slide.**

Houston Pilots Tropical Update

European Model Next 10 Days - Tropical Tracks

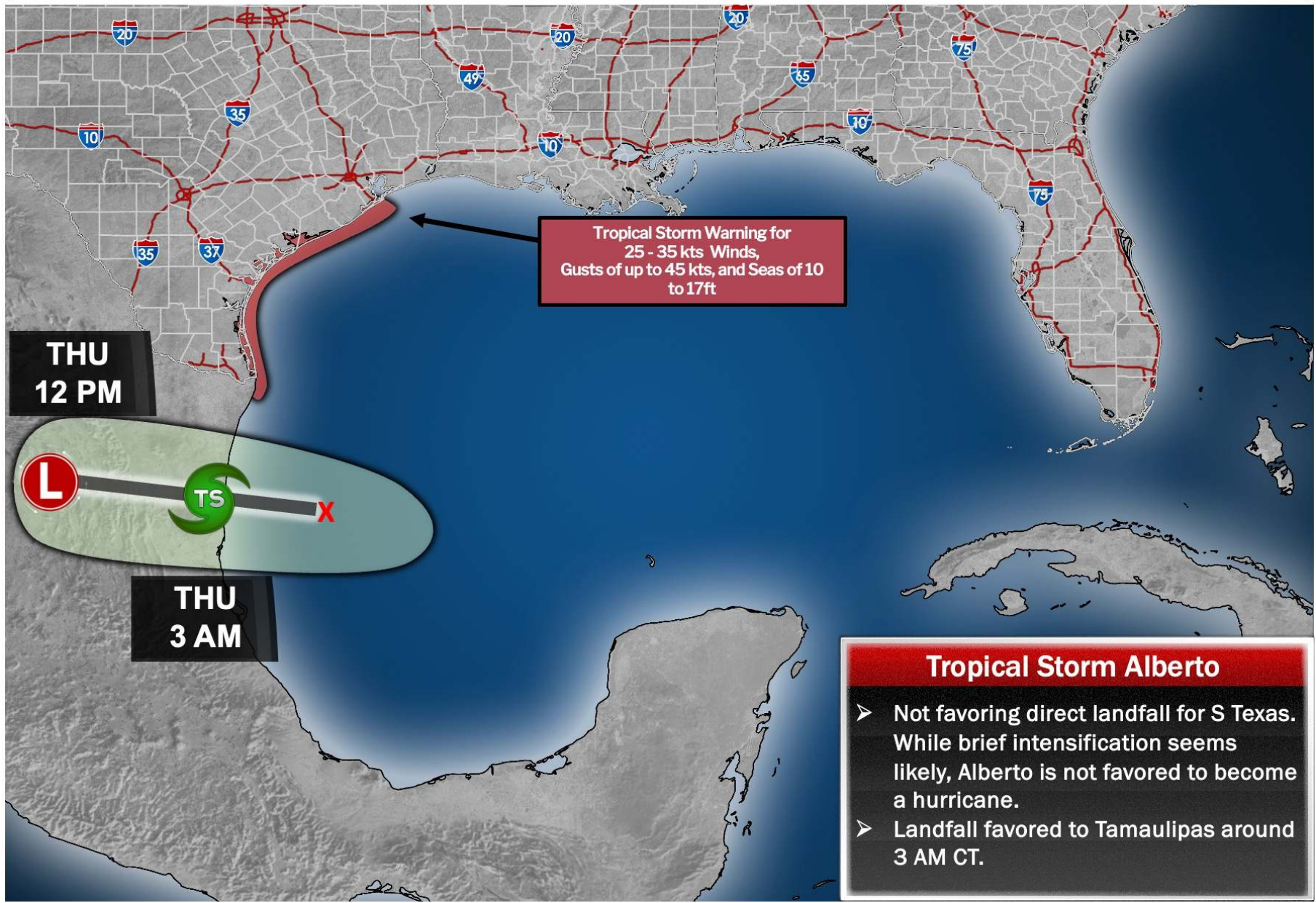
ECMWF GULF EPS Cyclone Locations --> Next [10-days]
INIT: 12Z19JUN2024 --> UNTIL 12Z29JUN2024

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 - 23rd.

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



Tropical Storm Warning for
25 - 35 kts Winds,
Gusts of up to 45 kts, and Seas of 10
to 17ft

**THU
12 PM**

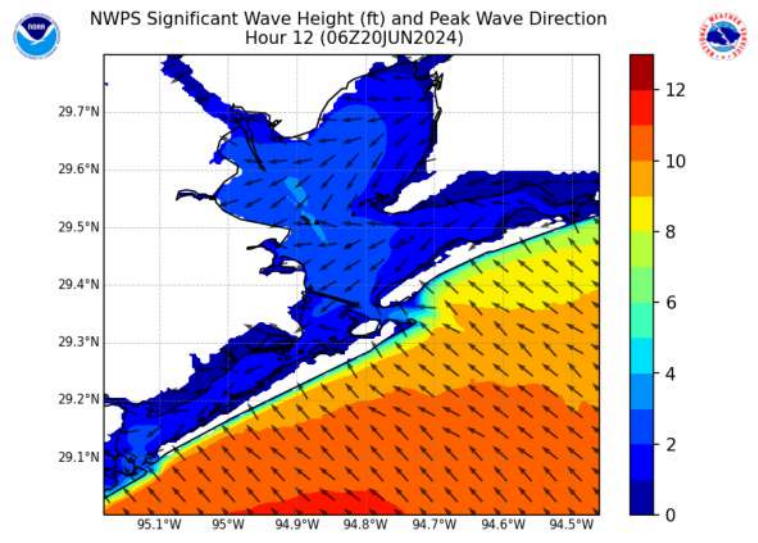
**THU
3 AM**

Tropical Storm Alberto

- Not favoring direct landfall for S Texas. While brief intensification seems likely, Alberto is not favored to become a hurricane.
- Landfall favored to Tamaulipas around 3 AM CT.

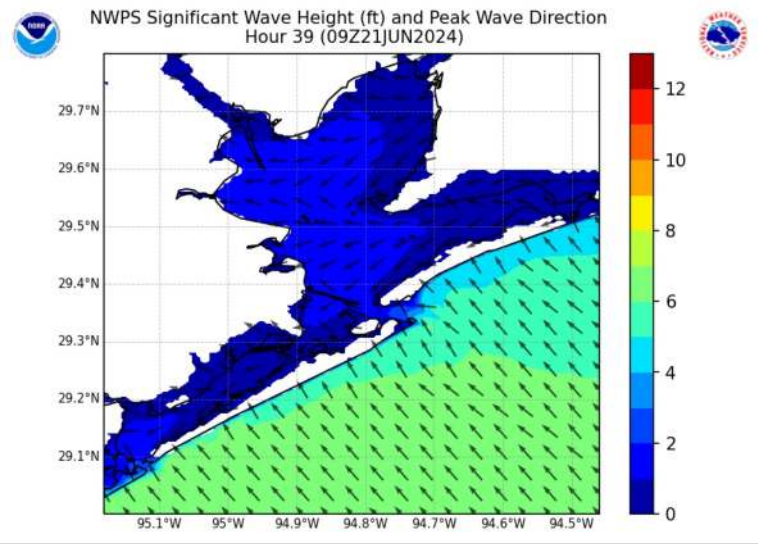
Houston Pilots Wave Height Update

Significant Wave Height Image



7 AM CT THU

Wave heights of 6+ ft will continue throughout the morning. With occasional waves of 10-12 ft through 2AM THU near the boarding station.



4 AM CT FRI

Wave heights very slowly will recede throughout the day today. Heights are currently anticipated to drop below 6 ft threshold around 4 AM FRI.

Houston Pilots Visibility Chart (miles)



Forecast Confidence

Above Normal

Below Normal

Time	Wed 11pm	Thu 12am	Thu 1am	Thu 2am	Thu 3am	Thu 4am	Thu 5am	Thu 6am	Thu 7am	Thu 8am	Thu 9am	Thu 10am	Thu 11am	Thu 12pm	Thu 1pm	Thu 2pm	Thu 3pm	Thu 4pm	Thu 5pm	Thu 6pm	Thu 7pm	Thu 8pm	Thu 9pm	Thu 10pm
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	9	10	10	10	10	10	10	10	10	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Greens Bayou	6	9	10	10	10	10	10	10	10	9	10	10	10	10	10	10	10	10	10	10	7	9	10	10
Shell Crude	6	6	7	9	10	10	10	10	10	7	10	10	10	6	6	10	10	10	10	7	7	6	10	6
Lynchburg Ferries	6	9	10	10	10	10	10	10	10	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Exxon 3	6	6	7	9	10	10	10	10	10	7	10	10	10	9	9	10	10	10	10	9	7	9	10	9
Morgans Point	6	6	6	7	9	9	10	10	9	7	9	10	10	9	9	10	10	9	9	6	6	6	6	6
75/76	6	6	6	6	7	6	10	10	6	7	9	10	10	10	10	10	9	6	7	6	6	6	9	9
63/64	6	6	7	6	7	7	10	10	6	7	7	10	10	10	10	10	9	7	7	6	6	6	9	9
51/52	7	7	9	10	10	10	10	10	7	10	10	10	10	10	10	10	10	7	9	7	6	6	10	10
37/38	9	10	10	10	10	10	10	10	9	10	10	10	10	10	10	10	10	7	9	7	6	6	10	10
25/26	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	10	7	6	10	10
11/12	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	7	6	10	10
1 & 2 Bravo	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	7	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



Sustained wind 13 Knots
Gusts 18 Knots
Wind from the N

Example

WS: 13
G:18
N

Time Knots	Wed 11pm	Thu 12am	Thu 1am	Thu 2am	Thu 3am	Thu 4am	Thu 5am	Thu 6am	Thu 7am	Thu 8am	Thu 9am	Thu 10am	Thu 11am	Thu 12pm	Thu 1pm	Thu 2pm	Thu 3pm	Thu 4pm	Thu 5pm	Thu 6pm	Thu 7pm	Thu 8pm	Thu 9pm	Thu 10pm
610 Bridge	13	12	12	11	11	11	11	11	11	11	11	11	12	12	12	13	13	12	12	11	11	10	9	8
	25	25	24	23	23	23	22	21	21	22	22	22	23	24	24	25	25	24	24	22	20	20	18	17
	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	ESE	E	E	E	E
Kinder 1	13	12	11	11	11	11	11	11	11	11	11	11	12	12	12	12	12	12	12	11	10	9	9	8
	25	25	24	23	23	23	22	21	21	22	22	22	23	24	24	24	24	24	23	22	20	20	18	17
	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	ESE	E	E	E	E
Greens Bayou	12	12	11	11	11	11	11	11	11	11	11	11	11	12	11	12	12	12	12	11	10	9	9	8
	25	25	24	23	23	23	22	21	21	22	22	22	22	23	23	23	23	23	22	21	20	19	18	16
	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	ESE	E	ESE	E	E	E	E
Shell Crude	13	12	11	11	11	11	11	11	11	11	11	11	12	12	12	12	12	12	12	11	10	9	9	8
	26	25	24	23	23	23	22	22	22	22	22	22	22	23	23	23	23	23	23	21	20	19	18	17
	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Lynchburg Ferries	12	11	11	11	11	11	11	11	11	11	11	11	12	12	12	12	12	12	12	11	10	9	8	7
	25	25	24	23	23	22	22	21	21	22	22	22	22	23	23	22	23	23	22	21	20	19	17	16
	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	ESE	E	E	E	E	E	E
Exxon 3	19	19	18	18	18	17	17	17	17	17	16	15	15	15	15	15	15	15	15	15	14	14	13	13
	27	26	25	25	25	24	24	23	23	23	22	22	23	23	23	23	23	23	23	22	21	21	20	19
	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	ESE	E	E	E	E	E	E
Morgans Point	20	19	19	19	19	18	18	17	17	17	16	15	15	15	15	15	15	15	15	15	15	15	14	13
	28	28	26	26	26	25	25	24	23	23	23	23	23	24	24	24	24	23	24	22	22	22	21	19
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75/76	23	22	21	21	21	20	20	19	19	19	18	17	17	17	17	17	17	17	17	17	17	16	16	15
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11/12	21	21	19	19	19	19	19	18	17	18	18	18	18	17	17	18	18	17	17	16	16	16	15	15
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1 & 2 Bravo	25	25	23	24	23	22	22	21	21	21	21	20	20	20	20	19	19	19	19	19	19	19	18	17
	35	34	33	32	32	31	31	30	29	29	29	28	29	29	28	28	29	28	28	27	27	26	25	25
	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E

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Forecast Discussion

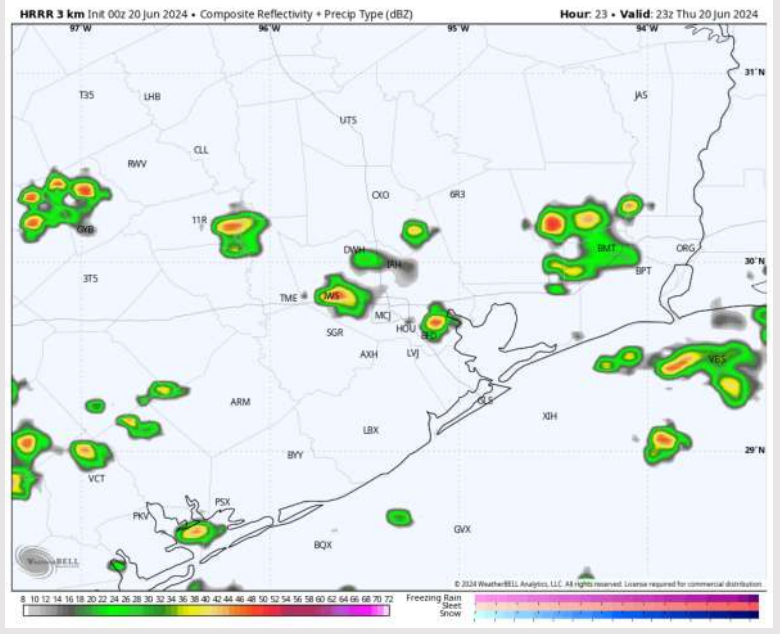
Precip: Lingering scattered rain/storms to continue throughout the day on THU (20%). **A few storms have the potential to produce wind gusts of 35-40 kts alongside lightning.**

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. **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.**

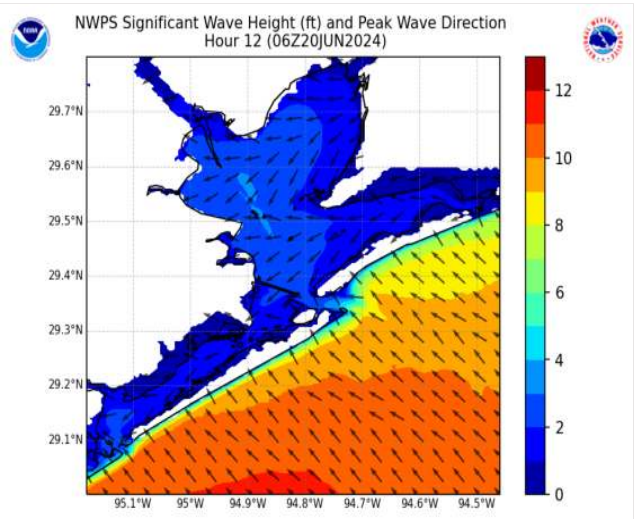
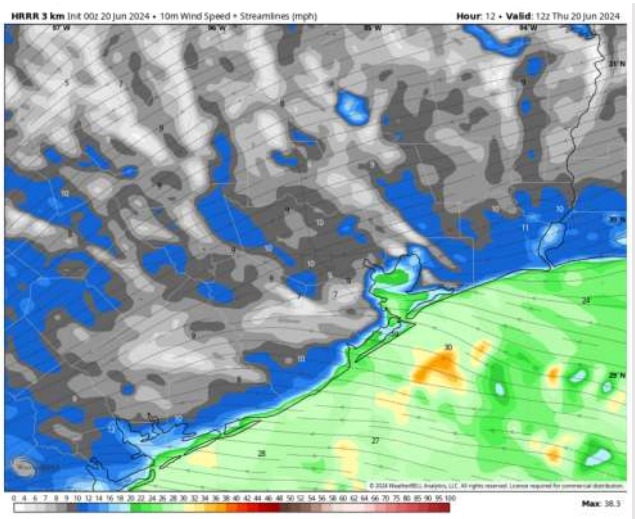
Wave Heights: Wave heights of 8-10 ft will continue for Stations 11/12 and the Boarding Station through ~2 AM CT THU. After 2 AM, wave heights will gradually decrease, however remain above 6 ft throughout the day.

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

Precip Image: 6 PM CT



**Wind Speed:
7 AM CT**



**Max Wave Heights:
2 AM CT**

Houston Pilots: Fri. 6/21/2024



Forecast Discussion

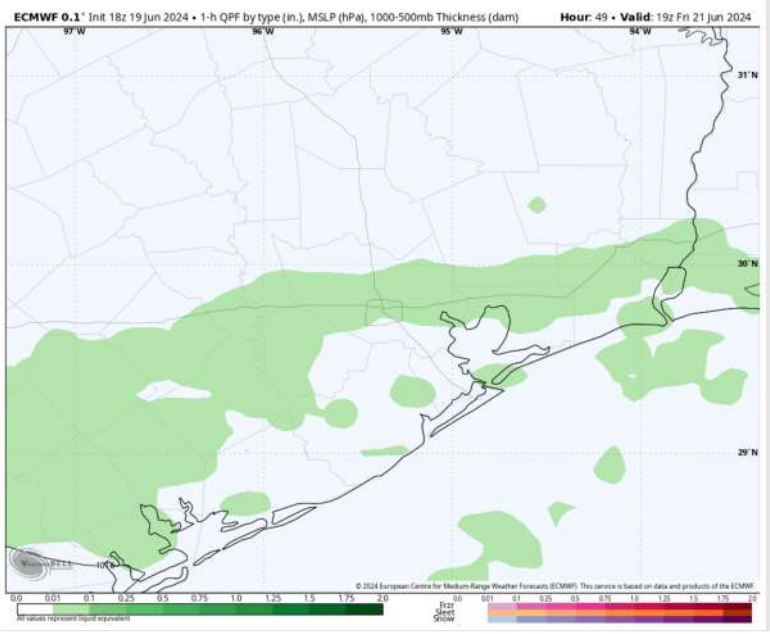
Precip: Scattered showers/thunderstorms (30%) will continue for all stations through 6PM before chances decrease to 10% for the remainder of the evening.

Wind: Winds will be out of the east through the evening hours before shifting out of the ENE by 6 PM. **N of Morgan's Point:** Winds at to 11-16 kts throughout the day. **S of Morgan's Point:** Winds at 13-18 kts through 3PM before slightly decreasing to 10-15 kts for the rest of the day. **Gusts up to 20-25 kts will be possible for all stations.**

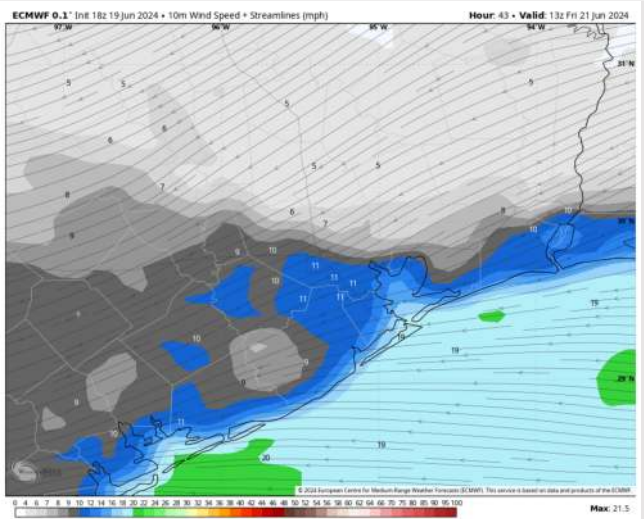
Wave Heights: Wave heights of 6-8 ft will gradually decrease throughout the day, decreasing to below 6ft by 4AM, and 4ft by the end of the day.

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

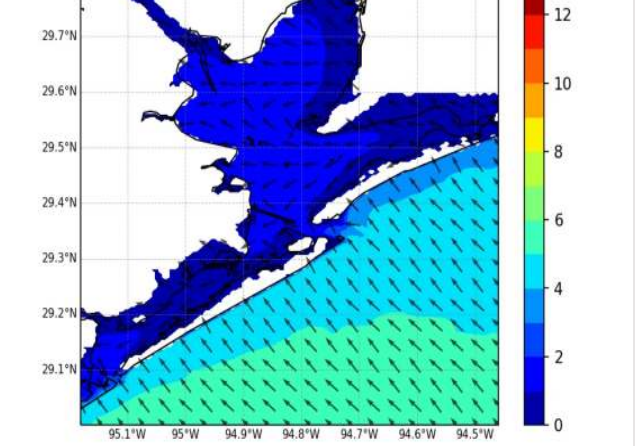
Precip Image: 2 PM CT



Wind Speed: 8 AM CT



NWPS Significant Wave Height (ft) and Peak Wave Direction Hour 51 (21Z21JUN2024)



Max Wave Heights: 1 AM CT

Houston Pilots: Sat. 6/22/2024



Forecast Discussion

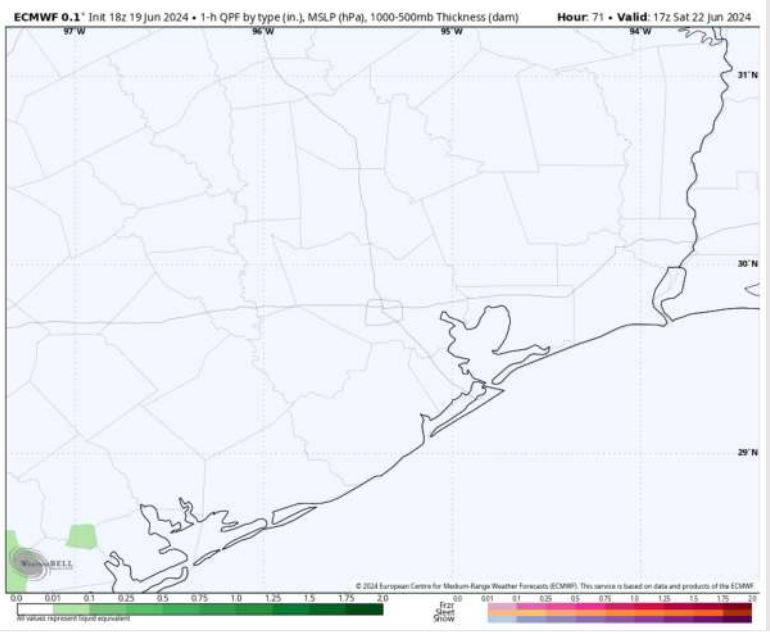
Precip: Favoring dry conditions throughout the day on Saturday.

Wind: Winds will be out of the E/SE throughout the day WED. **N of Morgan's Point:** Favoring winds at 7 – 12 kts throughout the day. **S of Morgan's Point:** Favoring winds at 10-15 kts throughout the day

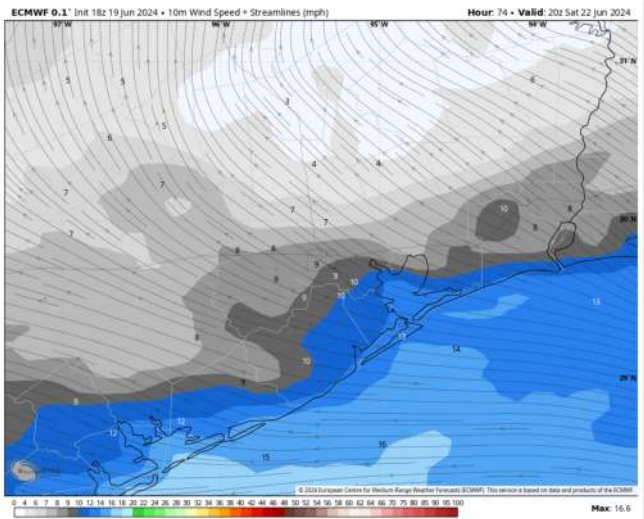
High Temps: **N of Morgan's Point:** Low 90s F. **S of Morgan's Point:** Mid 80s F

Visibility: Not favoring any fog concerns for Saturday

Precip Image: 12 PM CT

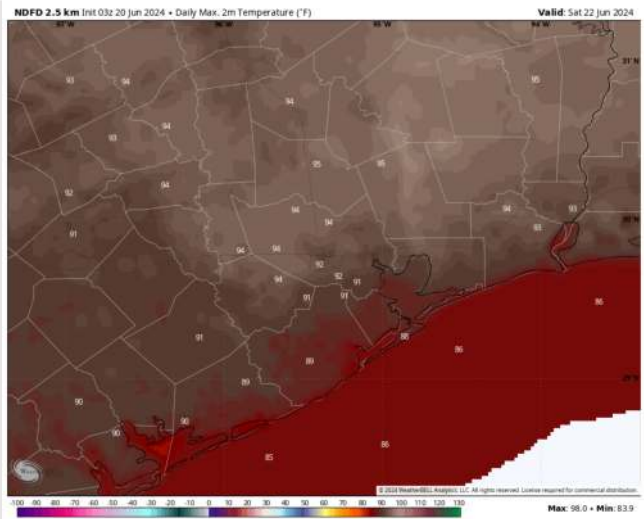


Wind Speed 3 PM CT



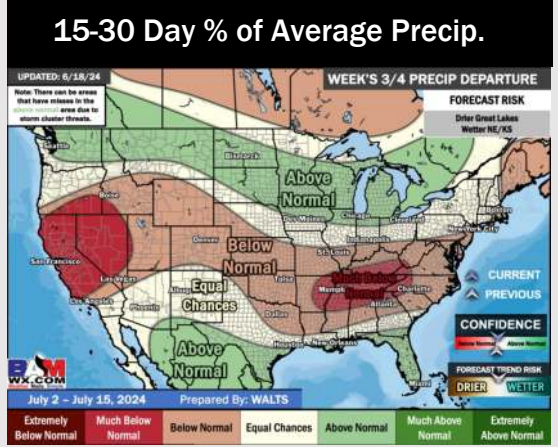
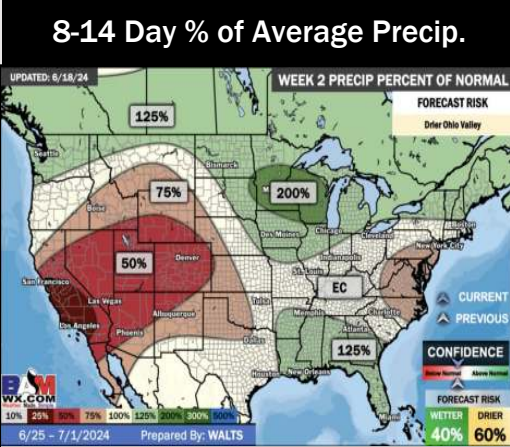
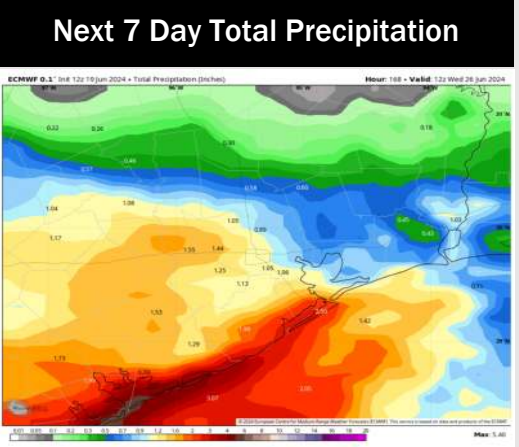
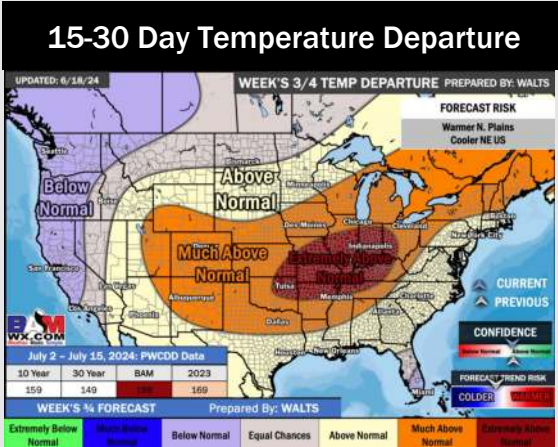
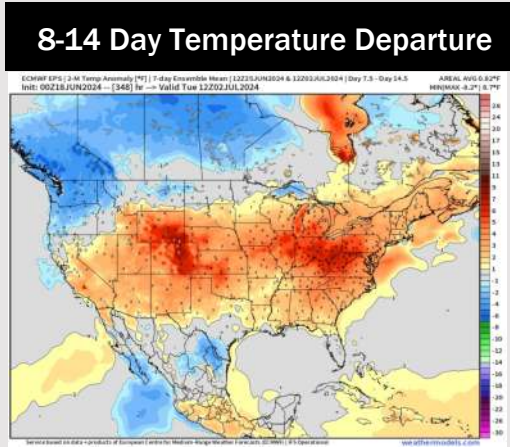
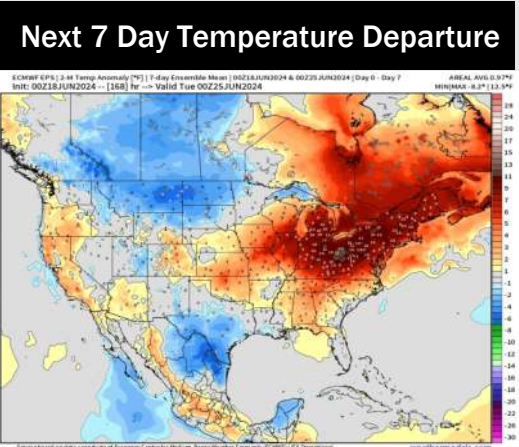
Wind Speed
3 PM CT

High Temps Saturday



High Temps
Saturday

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 now 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.