

Houston Pilots Forecast Package



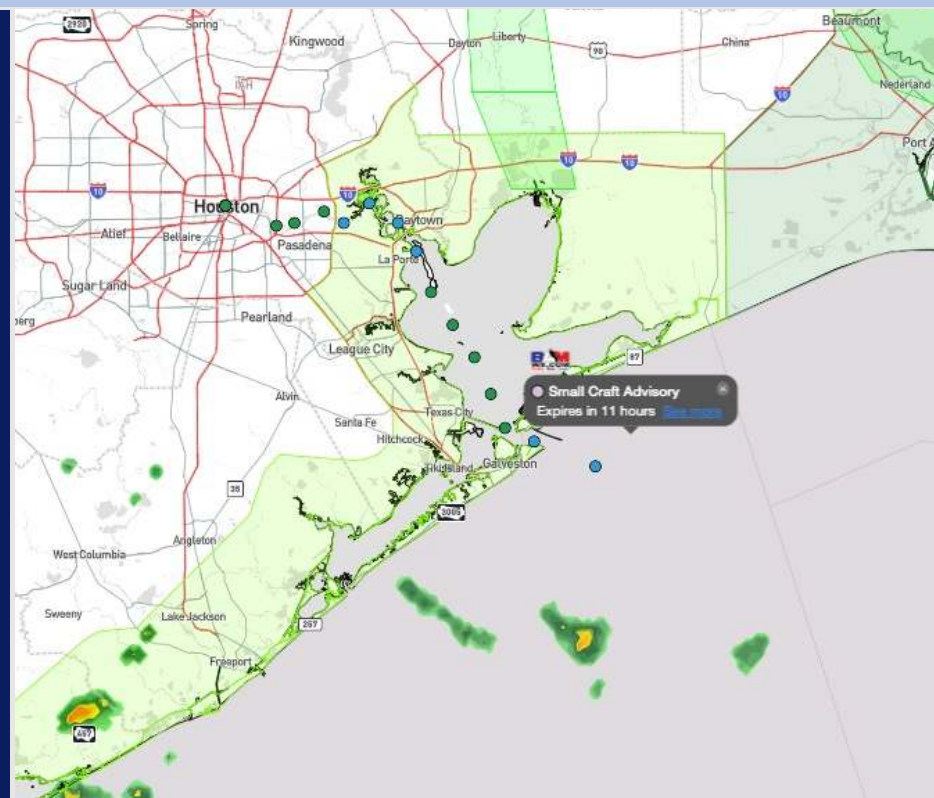
Updated: 11:00 PM CT

Thursday, June 20, 2024

Forecaster: Xander Lowry

Weather Headlines

- Zulu port conditions in effect through 7AM FRI. See slides below for timing and anticipated wave heights.
- Wave heights will continue to drop throughout the rest of the day, before dropping below 6 ft by early FRI AM.
- Scattered showers/storms expected to continue throughout the day and into FRI.



Current Radar: 10:50 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	NO	IN EFFECT	7 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

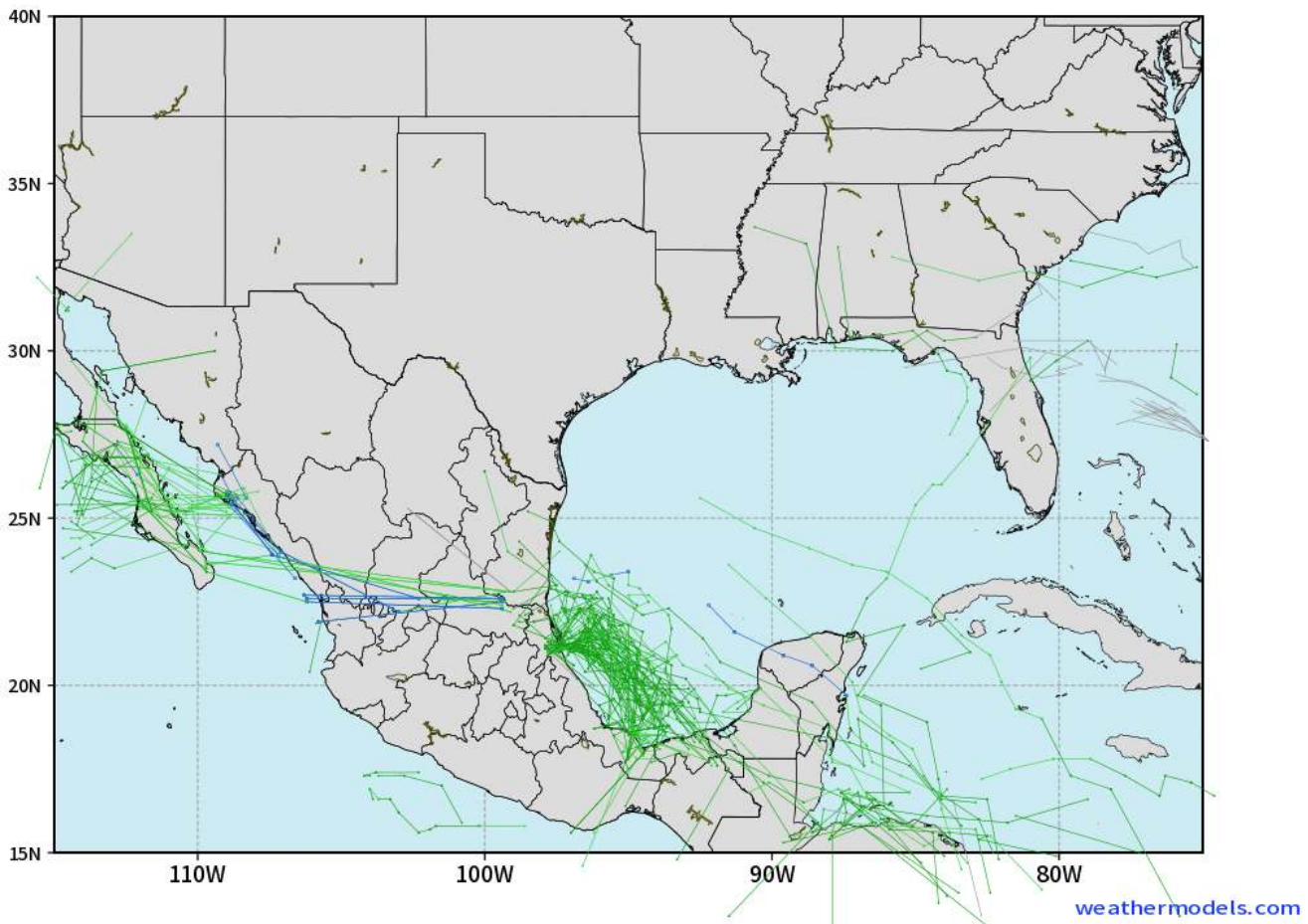
Wave heights ~6 ft towards Station 11/12 and the Boarding Station are anticipated to continue to gradually decrease throughout the day, remaining at 6+ ft until ~7 AM FRI. [More details on progression on wave height slide.](#)

Houston Pilots Tropical Update

European Model Next 10 Days - Tropical Tracks

ECMWF GULF EPS Cyclone Locations --> Next [10-days]
INIT: 12Z20JUN2024 --> UNTIL 12Z30JUN2024

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

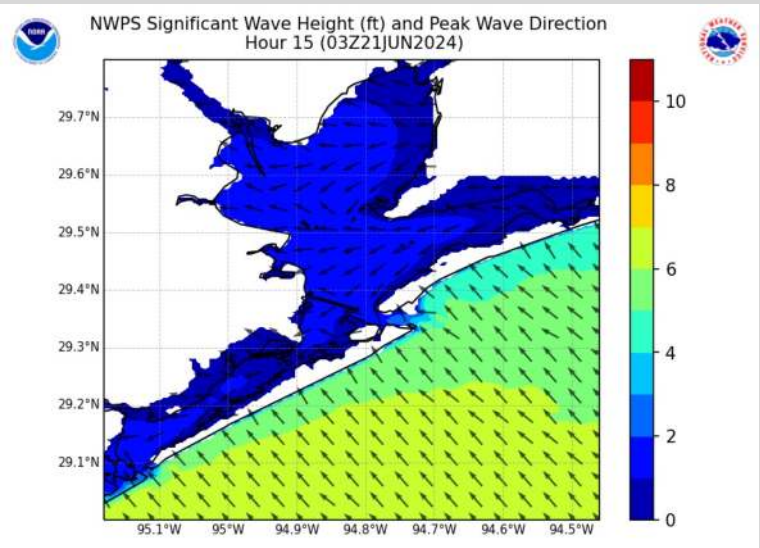


Monitoring the potential for the formation of a Tropical Depression in the far SW portion of the Gulf of Mexico between 6/22 - 6/23

Not favoring a direct impact with the Houston area at this time.

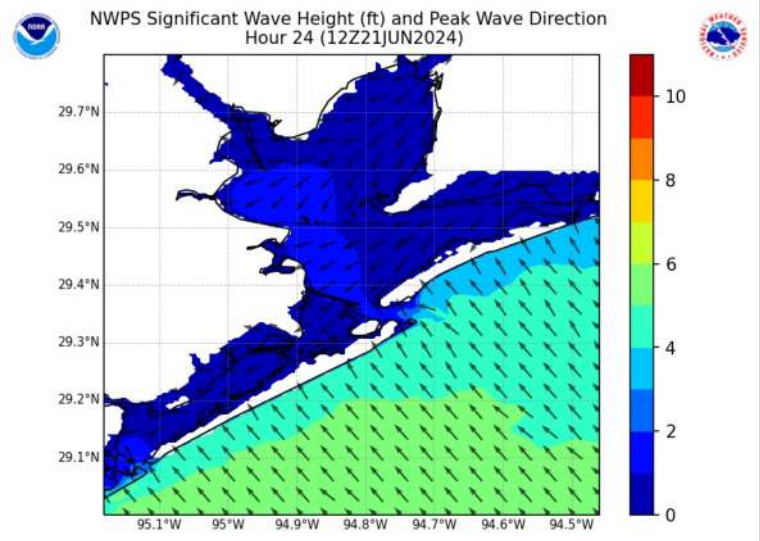
Houston Pilots Wave Height Update

Significant Wave Height Image



10 PM CT THU

Wave heights of 6+ ft will continue throughout the early morning as they continue to slowly decrease.



7 AM CT FRI

Favoring wave heights to drop below the 6ft threshold at 7AM FRI. 4ft waves favored to continue though 10PM before decreasing below 4ft after 10PM

Houston Pilots Visibility Chart (miles)



Time	Thu 10pm	Thu 11pm	Fri 12am	Fri 1am	Fri 2am	Fri 3am	Fri 4am	Fri 5am	Fri 6am	Fri 7am	Fri 8am	Fri 9am	Fri 10am	Fri 11am	Fri 12pm	Fri 1pm	Fri 2pm	Fri 3pm	Fri 4pm	Fri 5pm	Fri 6pm	Fri 7pm	Fri 8pm	Fri 9pm
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	10
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	10
51/52	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
37/38	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
25/26	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
11/12	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1 & 2 Bravo	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	7	7	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



Sustained wind 13 Knots
Gusts 18 Knots
Wind from the N

Example

WS: 13
G:18
N

Time Knots	Thu 10pm	Thu 11pm	Fri 12am	Fri 1am	Fri 2am	Fri 3am	Fri 4am	Fri 5am	Fri 6am	Fri 7am	Fri 8am	Fri 9am	Fri 10am	Fri 11am	Fri 12pm	Fri 1pm	Fri 2pm	Fri 3pm	Fri 4pm	Fri 5pm	Fri 6pm	Fri 7pm	Fri 8pm	Fri 9pm
610 Bridge	8 17 E	7 15 E	7 14 E	5 12 E	5 12 E	5 11 ENE	5 11 ENE	5 12 NE	5 12 NE	6 13 NE	7 14 ENE	7 14 ENE	7 15 ENE	8 15 E	8 16 E	9 17 ESE	9 17 E	9 17 ESE	9 18 ESE	9 17 ESE	9 16 ESE	8 14 SE	7 13 SE	5 11 SE
Kinder 1	8 17 E	7 15 E	6 14 E	5 12 E	5 12 E	5 11 ENE	5 11 ENE	5 12 NE	5 12 NE	6 13 NE	7 14 ENE	7 14 ENE	8 15 E	8 16 E	9 17 ESE	9 17 E	9 17 ESE	9 17 ESE	9 17 ESE	9 16 ESE	8 14 SE	7 13 SE	5 11 SE	
Greens Bayou	8 17 E	7 15 E	6 14 E	5 12 E	5 11 ENE	5 11 ENE	5 11 ENE	5 11 NE	5 12 NE	6 13 NE	7 14 ENE	7 14 ENE	8 15 E	8 16 E	9 17 ESE	9 17 E	9 17 ESE	9 17 ESE	9 16 ESE	9 16 ESE	8 15 SE	7 14 SE	5 11 SE	
Shell Crude	8 17 E	7 15 E	7 14 E	5 13 E	5 12 ENE	5 11 ENE	5 11 ENE	5 12 NE	5 12 NE	6 13 NE	7 14 ENE	7 14 ENE	8 15 E	8 16 E	9 17 ESE	9 17 E	9 17 ESE	9 17 ESE	9 17 ESE	9 16 ESE	8 15 SE	7 14 SE	5 11 SE	
Lynchburg Ferries	7 16 E	7 15 E	6 13 E	5 12 E	5 11 ENE	5 10 ENE	5 11 NE	5 11 NE	5 12 NE	6 13 NE	6 13 ENE	7 14 ENE	7 15 ENE	8 15 E	8 16 E	9 16 E	9 16 ESE	9 16 ESE	9 16 ESE	9 16 ESE	8 15 SE	7 13 SE	5 10 SE	
Exxon 3	13 18 E	12 17 E	11 15 E	10 15 E	9 14 E	9 14 ENE	9 14 ENE	9 15 ENE	9 15 ENE	10 15 ENE	10 15 ENE	10 15 ENE	10 16 E	10 16 E	11 17 E	11 17 E	11 18 ESE	11 18 ESE	11 18 ESE	11 17 ESE	11 16 SE	10 15 SE	9 14 SE	9 13 SE
Morgans Point	13 19 E	13 18 E	11 16 E	11 15 E	10 15 E	9 15 E	9 14 ENE	9 15 NE	10 15 NE	10 15 ENE	10 15 ENE	10 16 ENE	10 16 ENE	11 17 E	11 18 ESE	11 18 ESE	11 18 ESE	11 18 ESE	11 18 ESE	11 17 ESE	11 16 SE	10 15 SE	9 14 SE	9 13 SE
75/76	15 22 E	15 21 E	13 19 E	12 17 E	12 16 E	11 16 E	11 15 E	11 16 E	11 16 ENE	12 17 ENE	12 17 ENE	11 17 ENE	11 17 ENE	11 18 E	11 18 E	11 19 E	11 19 E	12 19 E	12 19 ESE	12 19 ESE	11 18 ESE	11 17 ESE	11 16 ESE	10 15 ESE
63/64	16 22 E	15 21 E	14 19 E	13 18 E	12 17 E	12 16 E	11 16 E	11 16 E	12 17 ENE	12 17 ENE	12 17 ENE	12 18 ENE	12 18 E	12 18 E	12 19 E	12 19 E	12 19 E	12 19 E	12 19 ESE	12 19 ESE	11 18 ESE	11 17 ESE	11 16 ESE	10 15 ESE
51/52	17 23 E	16 22 E	15 20 E	13 19 E	13 18 E	13 18 E	12 17 E	12 17 E	12 17 ENE	12 18 ENE	13 18 ENE	13 18 ENE	13 19 E	13 19 E	12 19 E	12 19 E	12 19 E	12 19 E	13 19 ESE	13 19 ESE	12 18 ESE	11 17 ESE	11 16 ESE	11 15 ESE
37/38	17 24 E	16 22 E	15 21 E	13 19 ESE	13 18 E	13 18 E	12 17 E	12 17 E	12 17 ENE	12 18 ENE	13 18 ENE	13 19 ENE	13 19 E	13 19 E	12 19 E	12 19 E	12 19 E	12 19 E	13 19 E	13 19 ESE	12 18 ESE	11 17 ESE	11 16 ESE	11 15 ESE
25/26	16 23 E	15 22 E	14 21 E	13 19 ESE	13 18 E	13 18 E	12 17 E	12 17 E	12 17 ENE	12 18 ENE	12 18 ENE	12 19 E	13 19 E	13 19 E	13 19 E	13 19 E	13 19 E	13 19 E	13 19 E	13 19 E	12 18 ESE	11 17 ESE	11 16 ESE	11 15 ESE
11/12	15 23 E	14 22 E	13 20 E	12 19 E	12 18 E	11 18 E	11 17 E	11 17 E	11 17 E	11 17 E	11 18 E	12 18 E	12 18 E	12 19 E	12 19 E	13 19 E	13 19 E	13 19 E	12 19 E	12 19 E	12 18 ESE	11 17 ESE	11 16 ESE	10 15 ESE
1 & 2 Bravo	17 25 E	17 23 E	16 22 E	15 21 E	15 20 E	14 20 E	13 19 E	13 19 E	13 19 E	13 19 E	13 19 E	13 19 E	13 20 E	13 20 E	13 20 E	13 20 E	13 20 E	13 20 E	13 20 E	13 20 E	13 19 E	12 18 ESE	12 17 ESE	11 17 ESE

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Houston Pilots: Fri. 6/21/2024



Forecast Discussion

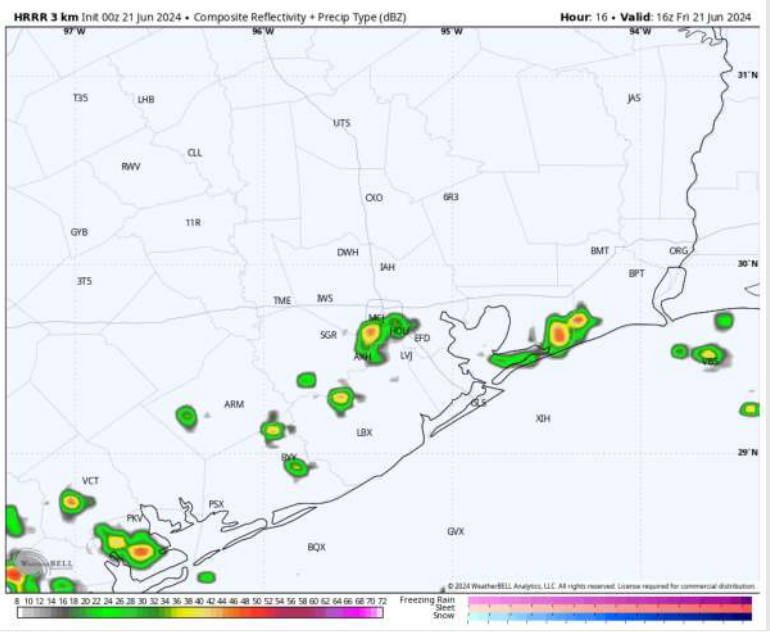
Precip: Scattered showers/thunderstorms (40%) will continue for all stations through 3PM before chances decrease to 10% for the remainder of the evening. **Isolated lightning strikes can be possible with storms!**

Wind: Winds will be out of the east through the day before shifting out of the SE by 4 PM. **N of Morgan's Point:** Winds at 6-10 kts throughout the day decreasing slightly to 4-7 kts by 8 PM. **S of Morgan's Point:** Winds at 11-18 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.**

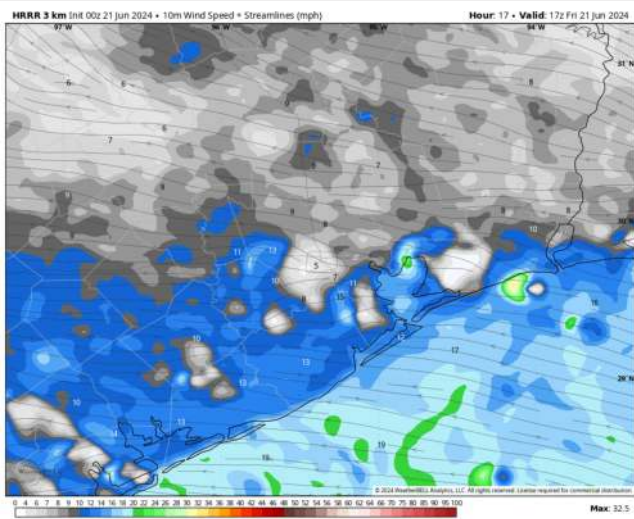
Wave Heights: Wave heights will continue to decrease throughout the day today, dropping to below 6 ft by 7 AM and 4ft by 10PM.

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

Precip Image: 11 AM CT

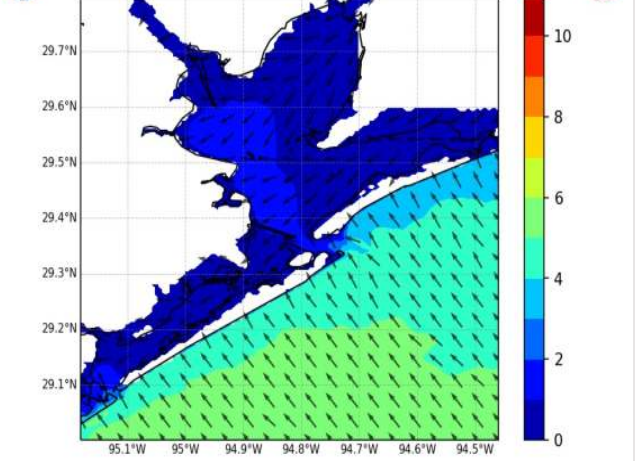


Wind Speed: 12 PM CT



Wind Speed:
12 PM CT

NWPS Significant Wave Height (ft) and Peak Wave Direction Hour 24 (12Z21JUN2024)



Max Wave Heights:
7 AM CT

Houston Pilots: Sat. 6/22/2024



Forecast Discussion

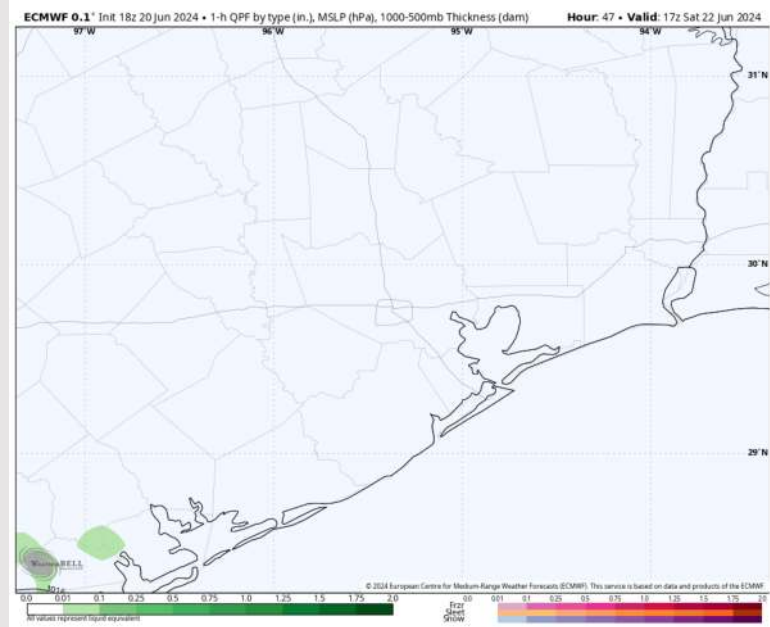
Precip: Favoring dry conditions throughout the day on Saturday.

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 before slightly decreasing to 4– 9 kts for the rest of the day. **S of Morgan's Point:** Favoring winds at 10-15 kts throughout the day

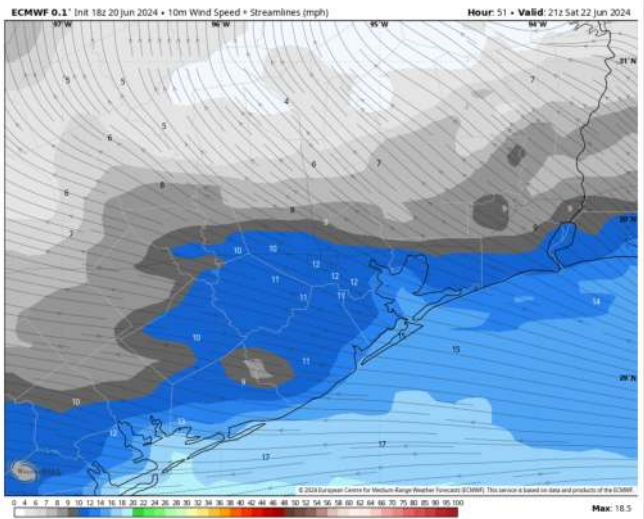
High Temps: **N of Morgan's Point:** Upper 80s F. **S of Morgan's Point:** Mid 80s F

Visibility: Not favoring any fog concerns for Saturday

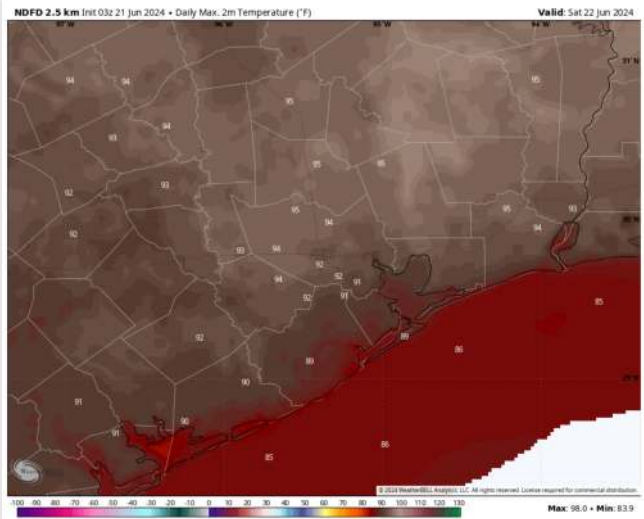
Precip Image: 1 PM CT



Wind Speed
1 PM CT



High Temps
Saturday



Houston Pilots: Sun. 6/22/2024



Forecast Discussion

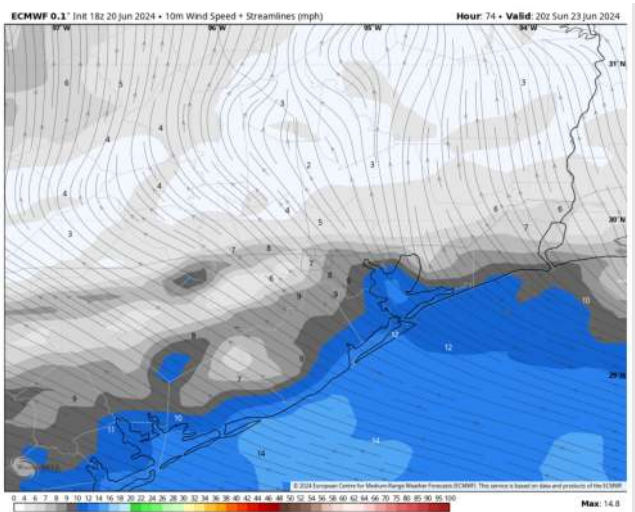
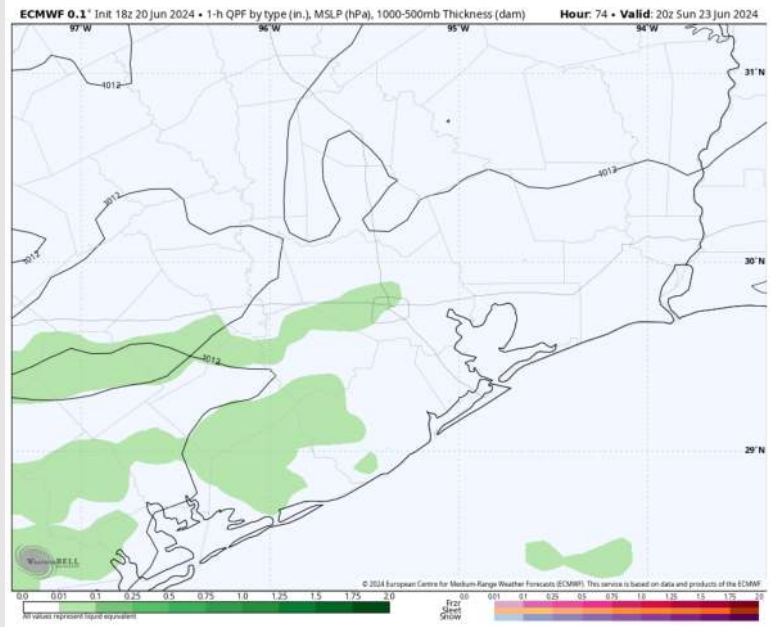
Precip: Favoring mostly dry conditions throughout the day on Sunday, aside from low-end shower/thunderstorm chances between 3 – 7 PM. Majority of activity favored to remain to the W.

Wind: Winds will be out of the E/SE through 10AM before wind become variable through 2PM. After 2 PM winds settle back out of the SE for the rest of the day. **N of Morgan's Point:** Winds will be at 3-8kts throughout the day on Sunday. **S of Morgan's Point:** Winds at 7-12 kts throughout the day on Sunday.

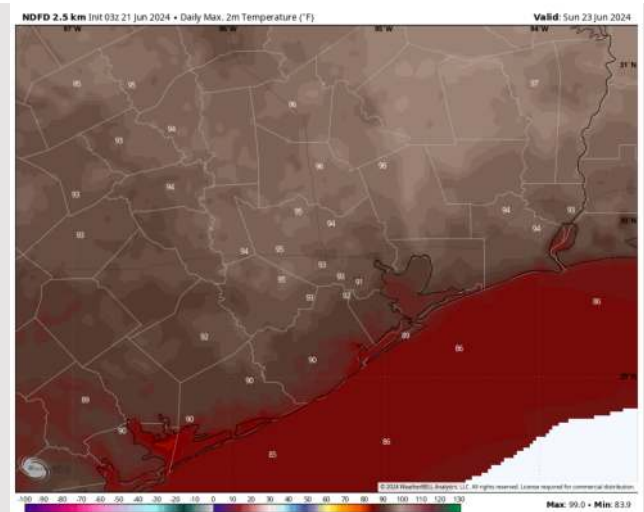
High Temps: **N of Morgan's Point:** Mid 90s F. **S of Morgan's Point:** Mid 80s F

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

Precip Image: 3 PM CT

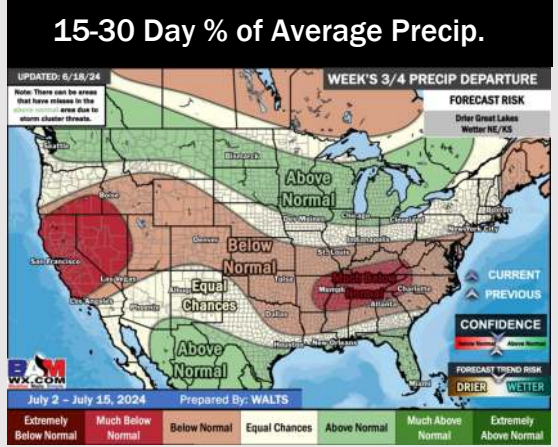
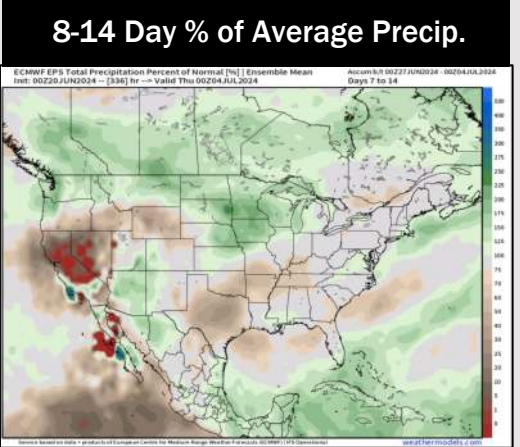
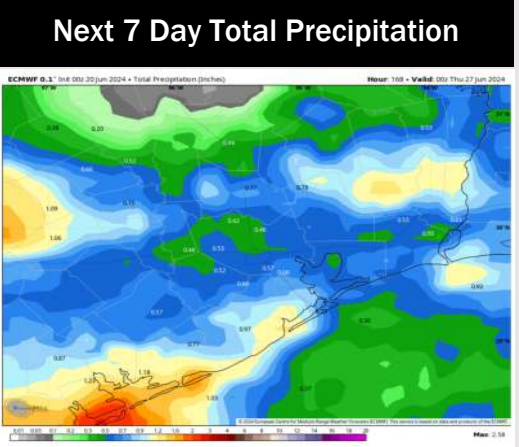
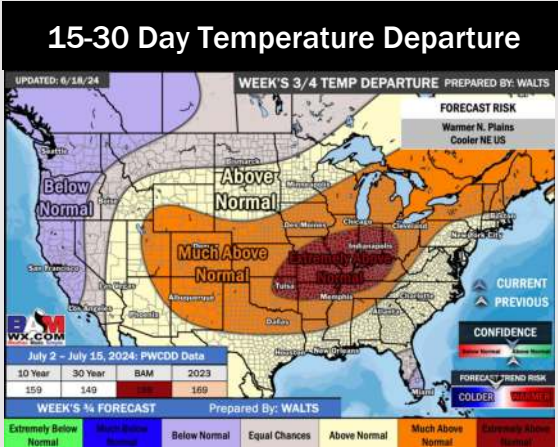
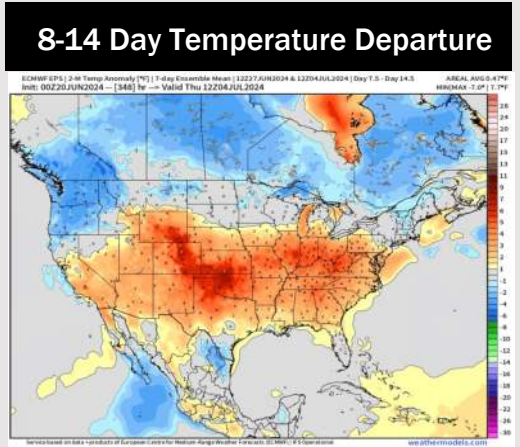
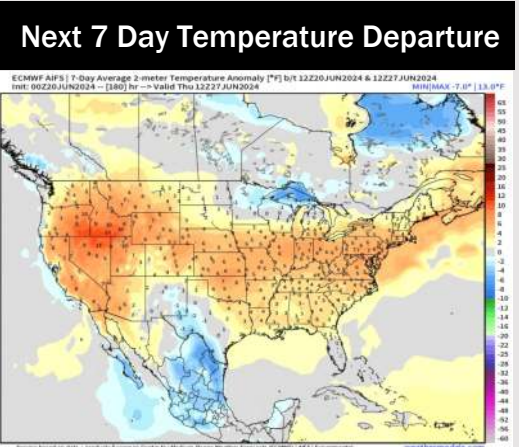


Wind Speed:
3 PM CT



High Temp
Sunday

Houston Pilots: 6/20/24



- Temps are expected to be near normal for the week 1 timeframe. 0.5—1.00” of precipitation is expected throughout the next 7 days.
- Below normal precipitation chances are at play during the week 2 timeframe. Temps are expected to be slightly above normal for week 2.
- Above normal chances for precipitation and near normal temperatures are favored in the weeks 3/4 timeframe.