

Houston Pilots Forecast Package



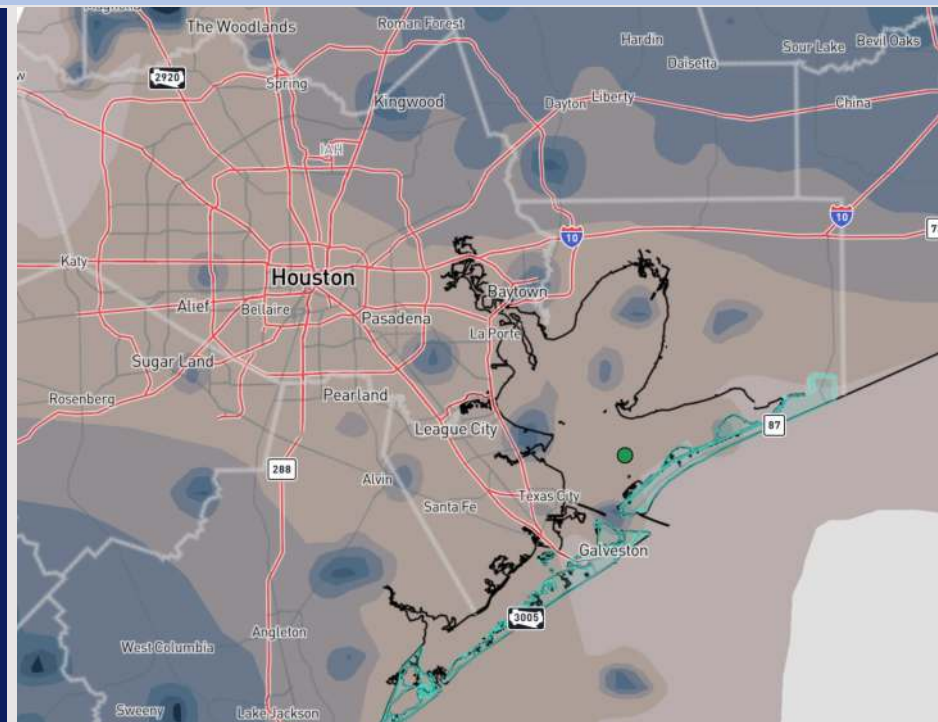
Updated: 5:20 AM CT

Thursday, November 7, 2024

Forecaster: Alyssa Elliott

Weather Headlines

- Gusts of above 15 kts for stations S. of Morgan's Point will be in play for Friday.
- A few isolated pockets of fog may briefly reduced visibility this AM.
- **Victor trigger has been met! See Port Trigger Update below!**
- **[Click here for most recent Hurricane Rafael video update! As of WED PM](#)**



Current Radar: 5:15 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 Port Trigger Update



Port Condition	34 KTS+ Sustained Wind Trigger Reached at:	6 Foot Wave Trigger Reached at:	Time Remaining/Trigger Ends At:
Victor	—	—	MON 7 PM
Whiskey	—	—	—
X-Ray	—	—	—
Yankee	—	—	—
Zulu	—	—	—

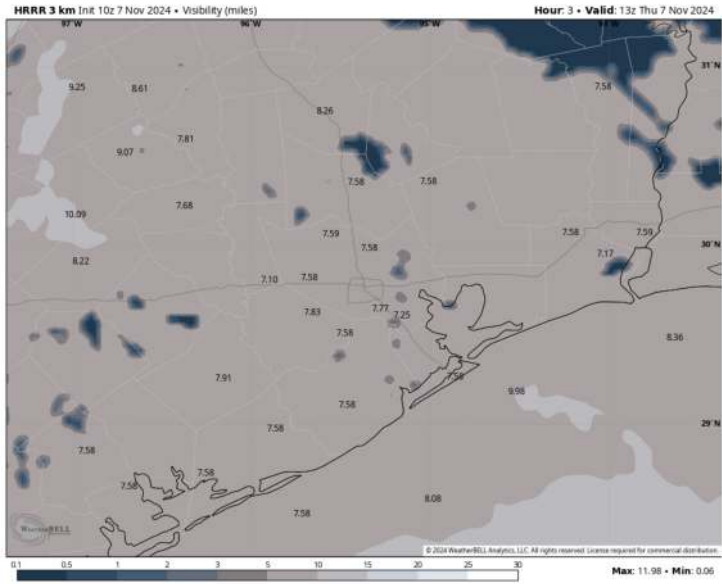
Port Condition	Trigger Definition	Trigger Reached?
Victor	Hurricane entering/developing in Gulf of Mexico that's a threat to the area	YES
Whiskey	72 hours prior to predicted sustained winds of 34+ KTS	NO
X-Ray	48 hours prior to predicted sustained winds of 34+ KTS or 6' wave height	NO
Yankee	24 hours 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	NO

NOTES: Rafael has entered the Gulf of Mexico. Wave heights and gusty winds will start to increase/ramp up by Saturday at the earliest for HOU. Wave heights of 3'-5' can be expected. The increased winds and wave heights are expected to linger through MON AM. There is lower than normal confidence if any additional triggers will be met due to uncertainty in Rafael's track. We will provide updates if any other triggers are reached.

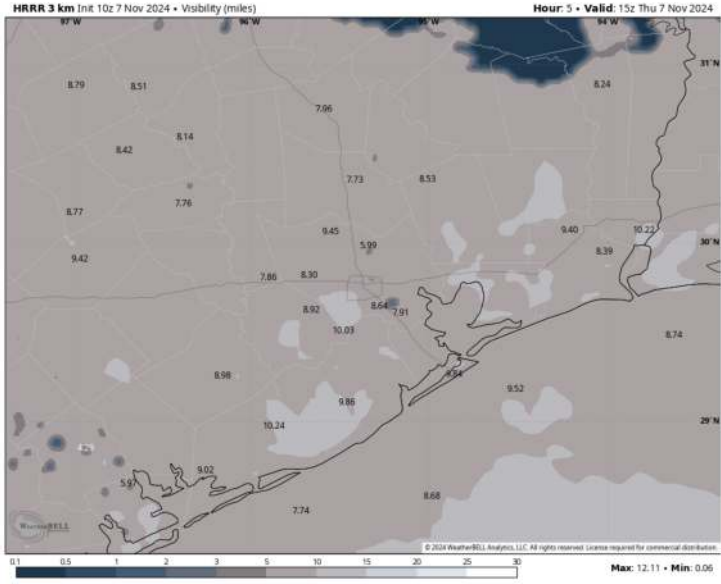
Houston Pilots Visibility Report



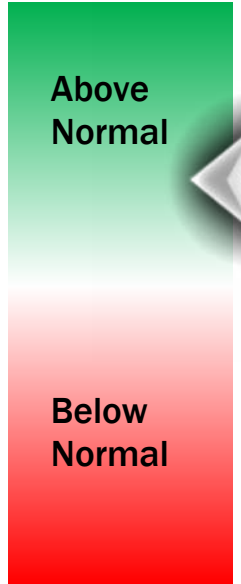
7 AM CT THU VISIBILITY



9 AM CT THU VISIBILITY



Confidence



TIMEFRAME DISCUSSED	THREAT
CURRENT – 9 AM THU	Low

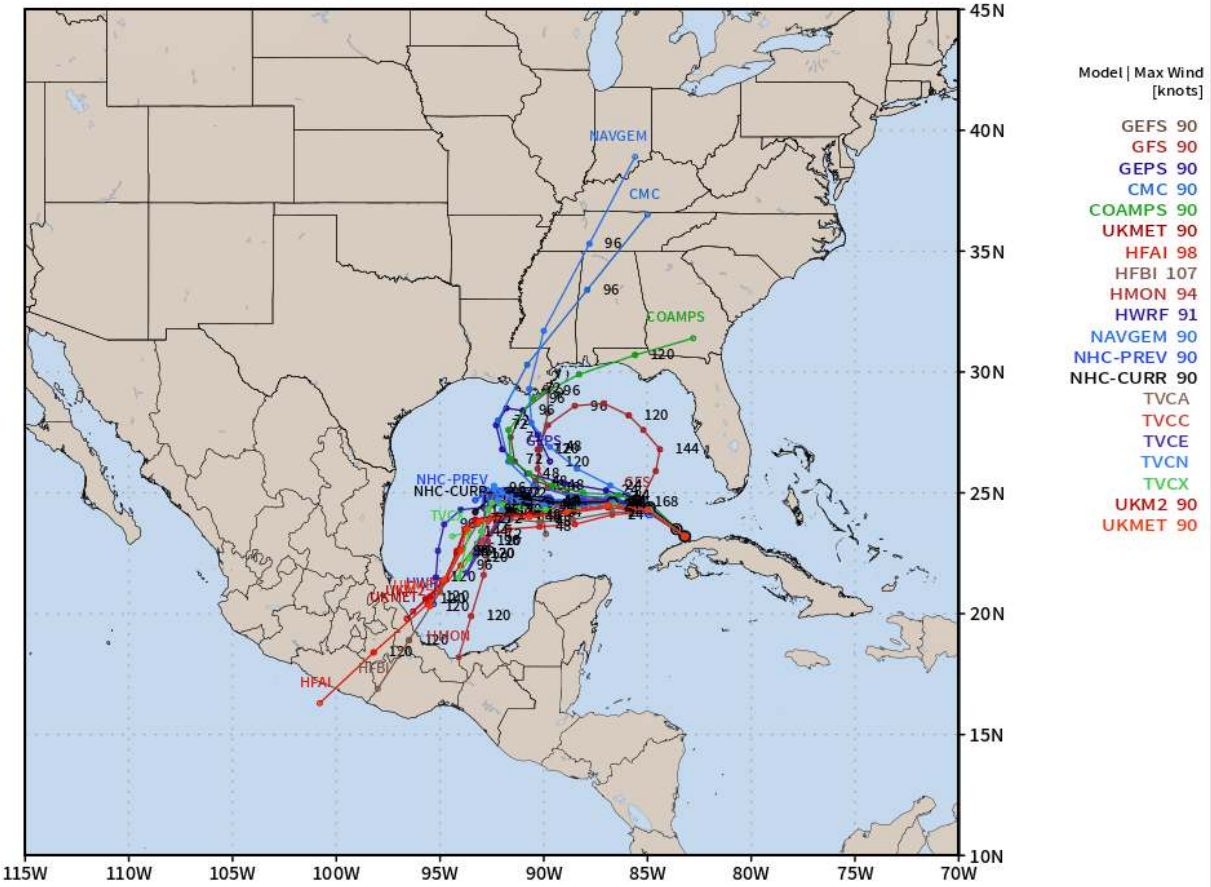
- Hit and miss light showers and drizzle (30%) are pushing NW across Galv. Bay and the Houston Metro area this morning causing hazy conditions / visibility to be reduced to 2 – 4 miles.
- While most stations will remain in that 2 – 4 mile visibility range, **we cannot rule out an isolated instance of visibility dropping to less than 1 mile while small pockets of fog occasionally mix in with these rain chances.**
- Favoring this isolated visibility threat ends by 9 AM.

Houston Pilots Tropical Update



Tropical Storm/Hurricane Tracks - Rafael

AL18 RAFAEL Guidance valid: 2024110700



Note: This map includes raw model data from 6 or 12 hours prior. Consult NHC Official Forecasts. Model guidance only expert interpretation required. Source: <https://weathermodels.com>

Hurricane Rafael continues to push WNW further into the Gulf of Mexico.

As the Hurricane moves further into the Gulf of Mexico, we are expecting Rafael to weaken back into a Tropical storm before turning southwestward towards Mexico.

Confidence remains low on exact track / landfall, with data remaining split on a northward / southward track.

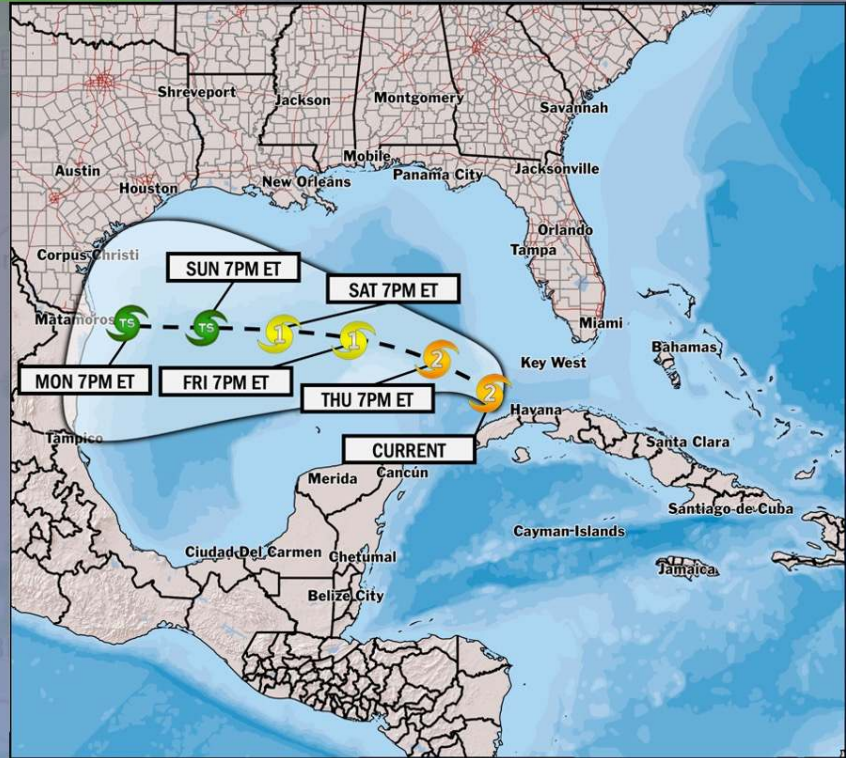
Our latest track (next slide) is leaning more towards a southerly solution.

Houston Pilots Tropical Update



CLARITY Hurricane Rafael Update

TROPICAL INSIGHT 12:30 AM CT Thursday, November 7, 2024 Forecaster: Kemper



TIMING: THU 11/7 – MON 11/11

FORECAST NOTES:

- ✓ Rafael is expected to remain a Hurricane off Cuba's north coast and into the Gulf of Mexico before slowly weakening into a tropical storm.
- ✓ While confidence remains low on exact track, favoring timeframe of ~11/9 – 11/11 for any potential US impacts.

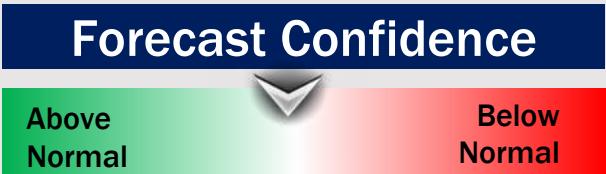


Houston Pilots Extended Range Visibility Report



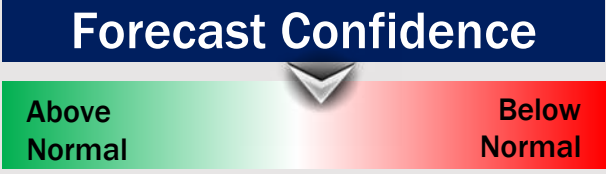
Sunday 11/10/24

Fog not favored for SUN.



Monday 11/11/24

Fog not favored for MON.



Tuesday 11/12/24

Fog not favored for TUE.



Chance for Fog

Sunday AM	Unlikely
Sunday PM	Unlikely
Monday AM	Unlikely
Monday PM	Unlikely
Tuesday AM	Unlikely
Tuesday PM	Unlikely

Houston Pilots Visibility Chart (miles)



Forecast Confidence



Visibility	Thu 2 am	Thu 3 am	Thu 4 am	Thu 5 am	Thu 6 am	Thu 7 am	Thu 8 am	Thu 9 am	Thu 10 am	Thu 11 am	Thu 12 pm	Thu 1 pm	Thu 2 pm	Thu 3 pm	Thu 4 pm	Thu 5 pm	Thu 6 pm	Thu 7 pm	Thu 8 pm	Thu 9 pm	Thu 10 pm	Thu 11 pm	Fri 12 am	Fri 1 am
Houston Pilots N - 610 Bridge	4.9	4.9	4.9	3.9	3.9	3.9	3.9	4.9	8	10	10	10	10	10	10	10	10	10	10	10	10	9	8	8
Houston Pilots M - Kinder 1	5.9	4.9	4.9	3.9	3.9	3.9	3.9	4.9	8	10	10	10	10	10	10	10	10	10	10	10	10	9	9	8
Houston Pilots L - Greens Bayou	5.9	4.9	4.9	4.9	3.9	3.9	3.9	4.9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9
Houston Pilots K - Shell Crude	6.9	4.9	4.9	4.9	3.9	4.9	3.9	4.9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Houston Pilots J - Lynchburg Ferries	6.9	5.9	4.9	4.9	3.9	4.9	3.9	4.9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Houston Pilots I - Exxon 3	6.9	5.9	4.9	4.9	4.9	4.9	3.9	4.9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Houston Pilots H - Morgans Point	6.9	5.9	4.9	4.9	4.9	4.9	4.9	4.9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Houston Pilots G - 75/76	6.9	5.9	4.9	4.9	4.9	4.9	4.9	5.9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	8
Houston Pilots F - 63/64	6.9	5.9	4.9	4.9	4.9	4.9	4.9	5.9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	8
Houston Pilots E - 51/52	6.9	5.9	5.9	4.9	4.9	4.9	4.9	6.9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	8
Houston Pilots D - 37/38	6.9	5.9	5.9	5.9	5.9	5.9	4.9	6.9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	8
Houston Pilots C - 25/26	6.9	5.9	5.9	5.9	5.9	5.9	4.9	6.9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	8
Houston Pilots B - 11/12	6.9	5.9	6.9	5.9	5.9	6.9	5.9	6.9	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	8
Houston Pilots A - 1 & 2 Bravo	8	6.9	6.9	6.9	6.9	6.9	6.9	8	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	8

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Houston Pilots Wind Chart



Forecast Confidence

Above Normal Below Normal

Sustained wind 10 Knots

Gusts 15 Knots

Wind from the SE

Example

10

15

↖

Wind	Thu 2 am	Thu 3 am	Thu 4 am	Thu 5 am	Thu 6 am	Thu 7 am	Thu 8 am	Thu 9 am	Thu 10 am	Thu 11 am	Thu 12 pm	Thu 1 pm	Thu 2 pm	Thu 3 pm	Thu 4 pm	Thu 5 pm	Thu 6 pm	Thu 7 pm	Thu 8 pm	Thu 9 pm	Thu 10 pm	Thu 11 pm	Fri 12 am	Fri 1 am
Houston Pilots N - 610 Bridge	3 8 ←	3 9 ←	3 9 ←	5 9 ←	5 9 ←	5 10 ←	6 12 ←	6 12 ←	7 13 ←	8 14 ←	8 15 ←	8 15 ←	8 16 ←	8 15 ←	8 16 ←	8 15 ←	7 14 ←	6 13 ←	6 13 ←	6 12 ←	6 13 ←	6 14 ←	6 14 ←	7 15 ←
Houston Pilots M - Kinder 1	3 8 ←	3 9 ←	3 9 ←	5 9 ←	5 9 ←	5 10 ←	6 12 ←	6 12 ←	7 13 ←	8 14 ←	8 15 ←	8 16 ←	8 16 ←	8 16 ←	8 15 ←	7 14 ←	6 13 ←	6 12 ←	6 12 ←	6 13 ←	6 13 ←	6 14 ←	6 14 ←	7 15 ←
Houston Pilots L - Greens Bayou	3 8 ←	3 9 ←	3 9 ←	5 9 ←	5 9 ←	5 10 ←	6 12 ←	6 13 ←	7 13 ←	8 14 ←	8 15 ←	8 16 ←	8 16 ←	8 15 ←	8 15 ←	8 13 ←	7 12 ←	6 12 ←	6 12 ←	6 12 ←	6 13 ←	6 14 ←	6 15 ←	7 15 ←
Houston Pilots K - Shell Crude	3 8 ←	3 9 ←	3 9 ←	5 9 ←	5 9 ←	5 10 ←	6 12 ←	6 13 ←	7 13 ←	8 14 ←	8 15 ←	8 16 ←	8 16 ←	8 15 ←	8 15 ←	8 13 ←	7 12 ←	6 12 ←	6 12 ←	6 12 ←	6 13 ←	6 14 ←	6 15 ←	7 15 ←
Houston Pilots J - Lynchburg Ferries	3 8 ←	3 9 ←	3 9 ←	3 8 ←	3 9 ←	5 9 ←	6 10 ←	6 12 ←	6 13 ←	7 14 ←	7 14 ←	8 15 ←	8 16 ←	8 15 ←	8 15 ←	8 13 ←	7 12 ←	6 12 ←	6 12 ←	6 12 ←	6 12 ←	6 13 ←	6 14 ←	6 15 ←
Houston Pilots I - Exxon 3	7 10 ←	7 10 ←	7 10 ←	8 10 ←	8 12 ←	8 12 ←	8 13 ←	8 14 ←	9 14 ←	9 15 ←	9 16 ←	10 17 ←	10 17 ←	10 16 ←	10 16 ←	10 15 ←	9 14 ←	8 13 ←	8 13 ←	8 14 ←	9 14 ←	10 15 ←	10 15 ←	12 16 ←
Houston Pilots H - Morgans Point	7 10 ←	7 10 ←	7 10 ←	7 10 ←	8 10 ←	8 12 ←	8 13 ←	8 14 ←	9 14 ←	9 15 ←	9 16 ←	10 17 ←	10 17 ←	10 16 ←	10 16 ←	10 15 ←	9 14 ←	8 13 ←	8 13 ←	8 14 ←	9 14 ←	10 15 ←	10 15 ←	12 16 ←
Houston Pilots G - 75/76	8 12 ←	8 12 ←	8 12 ←	8 12 ←	8 13 ←	9 13 ←	9 14 ←	10 15 ←	10 16 ←	10 16 ←	10 16 ←	10 17 ←	10 17 ←	10 17 ←	10 17 ←	10 16 ←	9 15 ←	9 14 ←	9 15 ←	10 15 ←	10 15 ←	10 16 ←	13 17 ←	13 18 ←
Houston Pilots F - 63/64	8 12 ←	8 12 ←	8 12 ←	8 12 ←	8 13 ←	9 13 ←	9 14 ←	10 15 ←	10 16 ←	10 16 ←	10 16 ←	10 17 ←	10 17 ←	10 17 ←	10 16 ←	10 16 ←	9 15 ←	9 14 ←	9 15 ←	10 15 ←	10 15 ←	10 16 ←	12 17 ←	13 18 ←
Houston Pilots E - 51/52	8 12 ←	8 10 ←	8 10 ←	8 12 ←	8 12 ←	8 13 ←	9 14 ←	10 15 ←	10 16 ←	10 16 ←	10 17 ←	10 18 ←	10 17 ←	10 17 ←	10 17 ←	10 16 ←	9 15 ←	9 15 ←	9 15 ←	10 15 ←	10 15 ←	10 16 ←	12 17 ←	13 18 ←
Houston Pilots D - 37/38	8 12 ←	8 10 ←	8 10 ←	8 12 ←	8 12 ←	8 13 ←	9 14 ←	10 15 ←	10 16 ←	10 16 ←	10 17 ←	10 18 ←	10 17 ←	10 17 ←	10 17 ←	10 16 ←	9 15 ←	9 15 ←	9 15 ←	10 15 ←	10 15 ←	10 16 ←	12 17 ←	13 18 ←
Houston Pilots C - 25/26	7 12 ←	7 10 ←	7 10 ←	7 12 ←	8 12 ←	8 12 ←	8 14 ←	10 15 ←	10 16 ←	10 17 ←	10 18 ←	10 17 ←	10 17 ←	10 17 ←	10 17 ←	10 16 ←	9 15 ←	9 15 ←	9 15 ←	10 15 ←	10 15 ←	10 16 ←	10 17 ←	10 18 ←
Houston Pilots B - 11/12	6 12 ←	6 10 ←	6 10 ←	7 12 ←	7 12 ←	7 12 ←	8 14 ←	9 15 ←	10 16 ←	10 17 ←	10 18 ←	10 17 ←	10 17 ←	10 17 ←	10 17 ←	10 16 ←	9 15 ←	9 15 ←	8 16 ←	9 16 ←	9 16 ←	9 16 ←	10 17 ←	10 18 ←
Houston Pilots A - 1 & 2 Bravo	8 13 ←	8 12 ←	8 12 ←	8 13 ←	8 13 ←	9 14 ←	10 15 ←	10 16 ←	12 17 ←	13 18 ←	13 18 ←	13 20 ←	12 18 ←	12 18 ←	12 18 ←	12 18 ←	10 17 ←	10 17 ←	10 17 ←	10 17 ←	12 17 ←	13 18 ←	13 20 ←	14 21 ←

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Houston Pilots: THU. 11/7/2024



Forecast Discussion

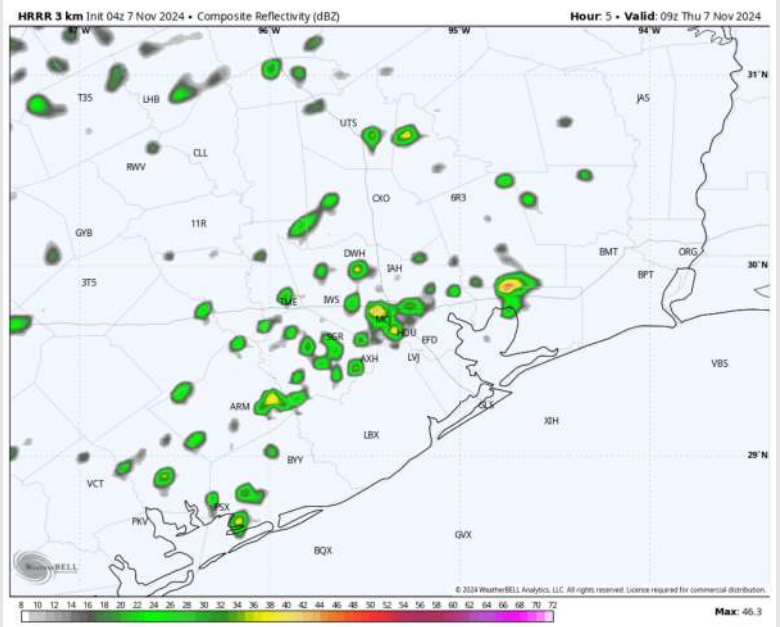
Precip: Isolated showers/drizzle (20%) will be possible for all stations until 9 AM today. A few downpours will also be possible after 10PM.

Wind: Winds will be out of the SE - ESE throughout today. **N of Morgan's Point:** Winds will be at 5 - 10 kts throughout today. **S of Morgan's Point:** Winds will be 8 - 13 kts for the entire day.

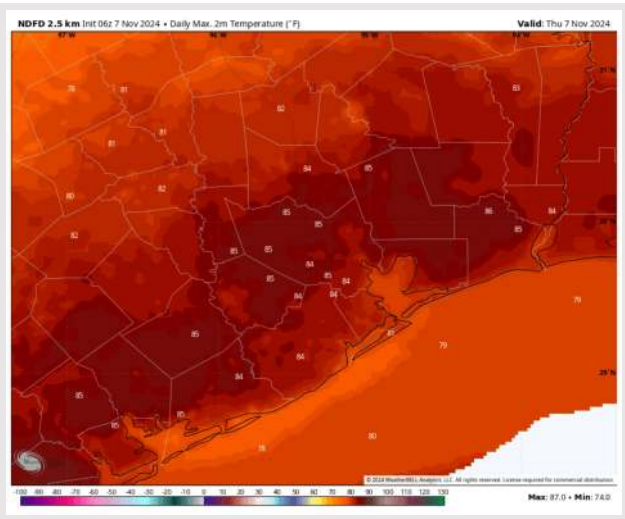
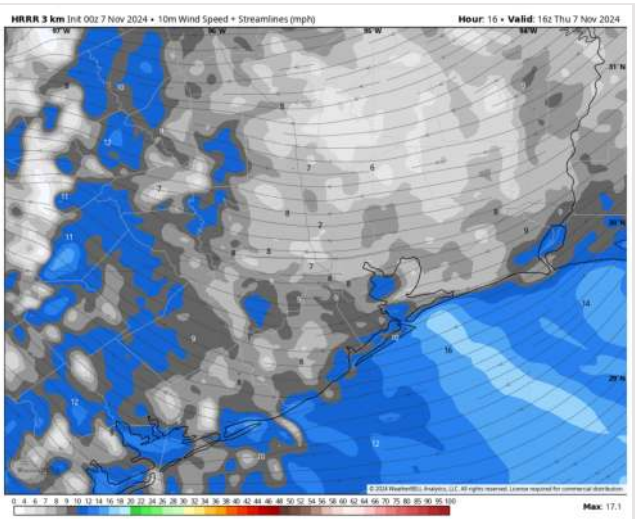
High Temps: **N of Morgan's Point:** Lower to Mid 80s F. **S of Morgan's Point:** Upper 70s F.

Visibility: Scattered pockets of drizzle may reduce visibility to 2 - 4 miles this AM with a view isolated instances of visibility dropping to less than 1 mile. See visibility slide.

Precip Image: 5 AM CT



Wind Speed:
10 AM CT



High Temps
Today

Houston Pilots: FRI. 11/8/2024



Forecast Discussion

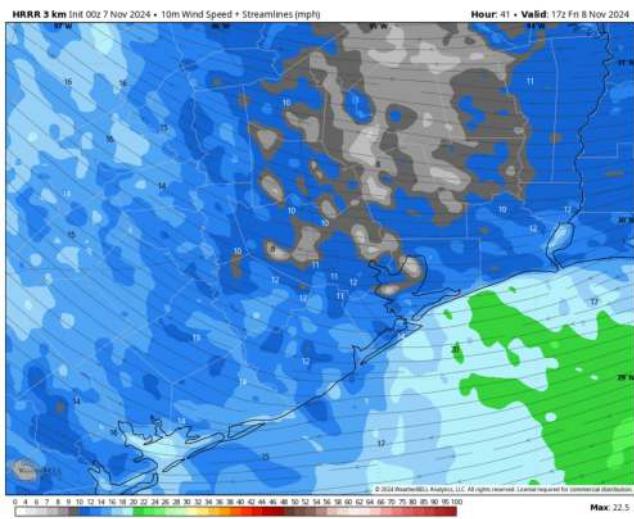
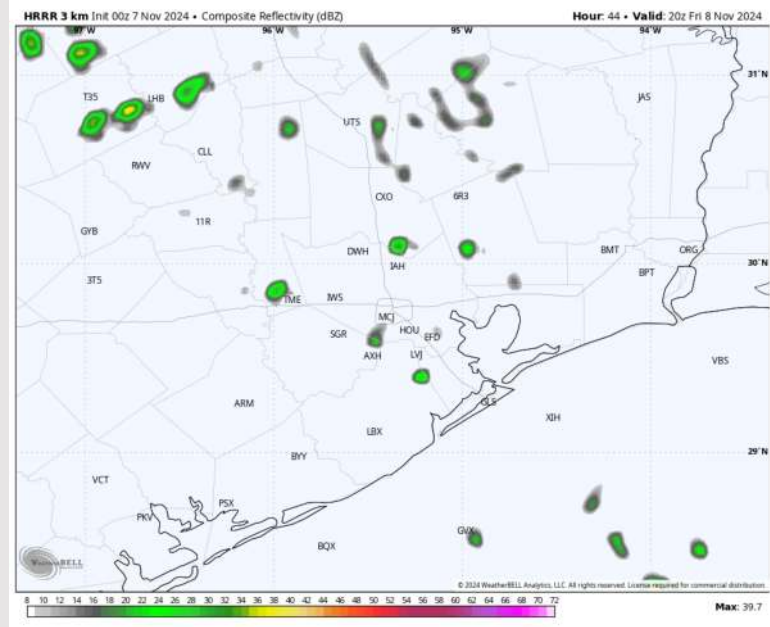
Precip: Isolated, light rain showers (20%) will be possible after 12AM through 6PM. Confidence lower on coverage / timing at this time.

Wind: Winds will remain out of the E/SE for Friday. **N of Morgan's Point:** Winds at 8 – 13 kts for the entire day. **S of Morgan's Point:** Winds at 14 – 19 kts through the day. **Wind gusts of 20-25 kts will be possible for all Stations from 7AM – 5PM.**

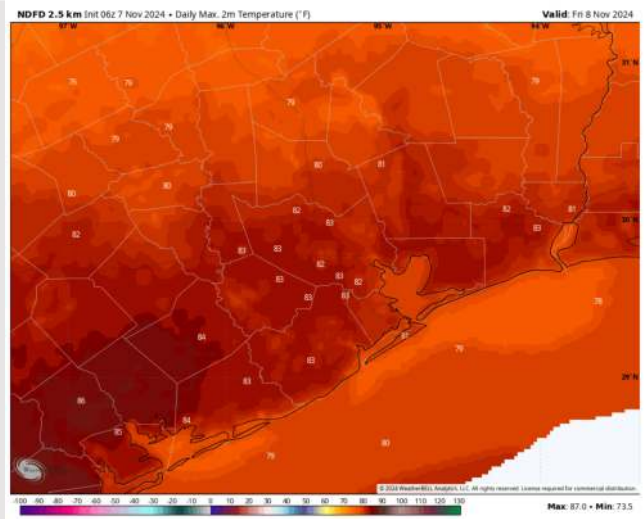
High Temps: **N of Morgan's Point:** Lower 80 F. **S of Morgan's Point:** Near 80 F

Visibility: Not anticipating any fog concerns for Friday.

Precip Image: 2 PM CT



Wind Speed:
11 AM CT



High Temps
Friday

Houston Pilots: SAT. 11/9/2024



Forecast Discussion

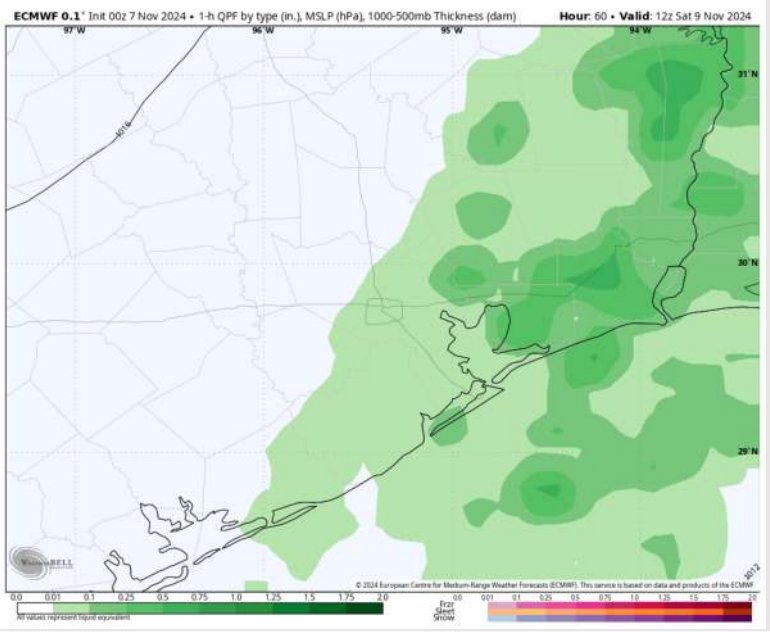
Precip: Scattered to Widespread Showers favored to work in after 5AM, continuing through at least 4PM on Saturday.

Wind: Winds will be out of the N/NNE for the entire day on Saturday. **N of Morgan's Point:** Winds will be at 3 - 8 kts throughout Saturday. **S of Morgan's Point:** Winds will be at 5 - 10 kts through 5AM before increasing to 10 - 14 kts for the rest of Saturday.

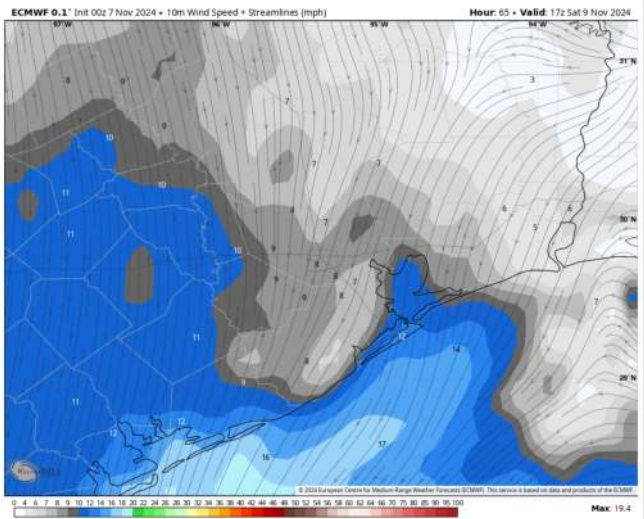
High Temps: **N of Morgan's Point:** Upper 70s. **S of Morgan's Point:** Mid to upper 70s F.

Visibility: No fog concerns for stations on Saturday.

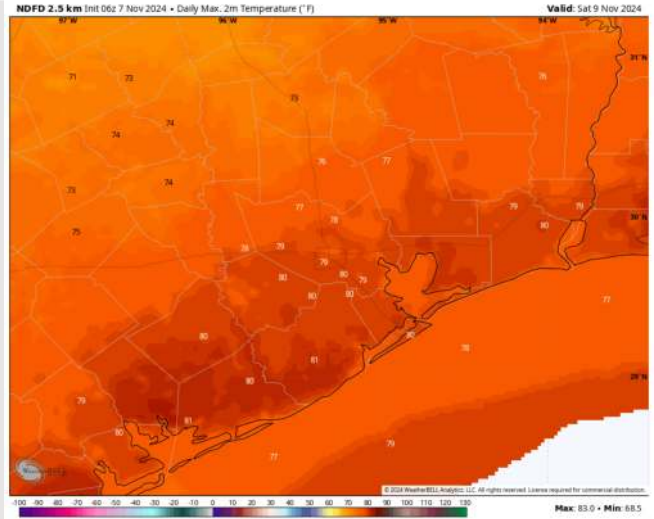
Precip Image: 7 AM CT



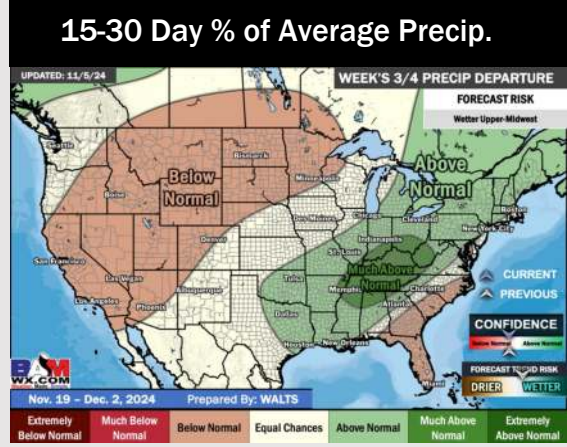
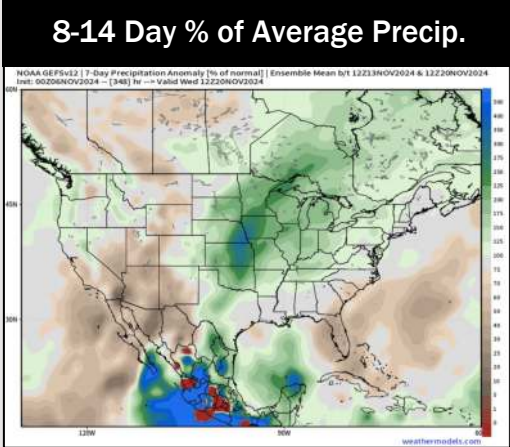
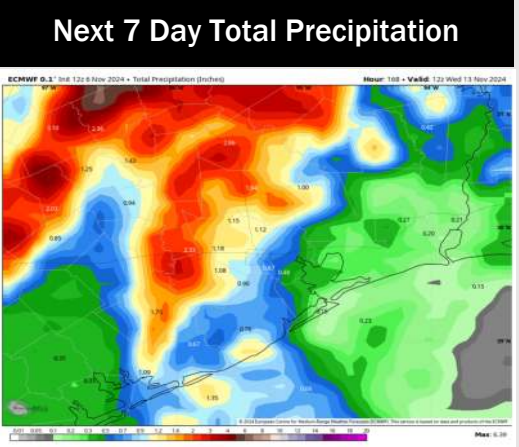
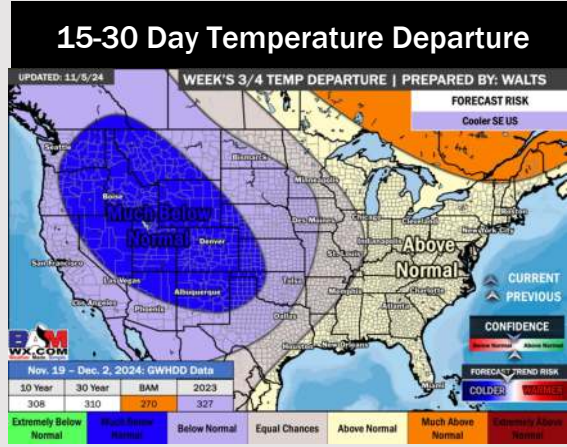
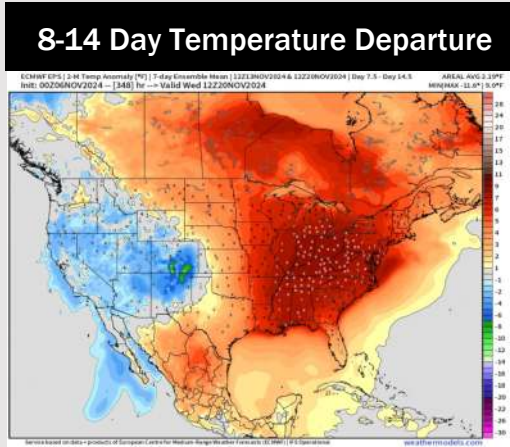
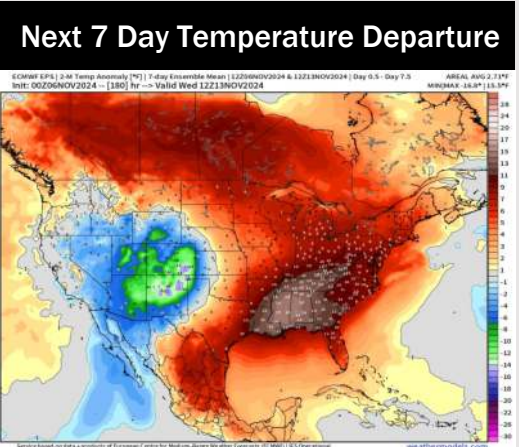
Wind Speed 11 AM CT



High Temps Saturday



Houston Pilots: 11/7/24



- Temps are expected to be above normal for the week 1 timeframe. Favoring scattered rain chances to continue for the week 1 period.
- Above normal temperatures are favored for week 2. Favoring precipitation to be right around normal depending on the track of the upcoming tropical system.
- Near normal temperatures and above normal precipitation chances are expected for the weeks 3/4 timeframe.