

Houston Pilots Forecast Package



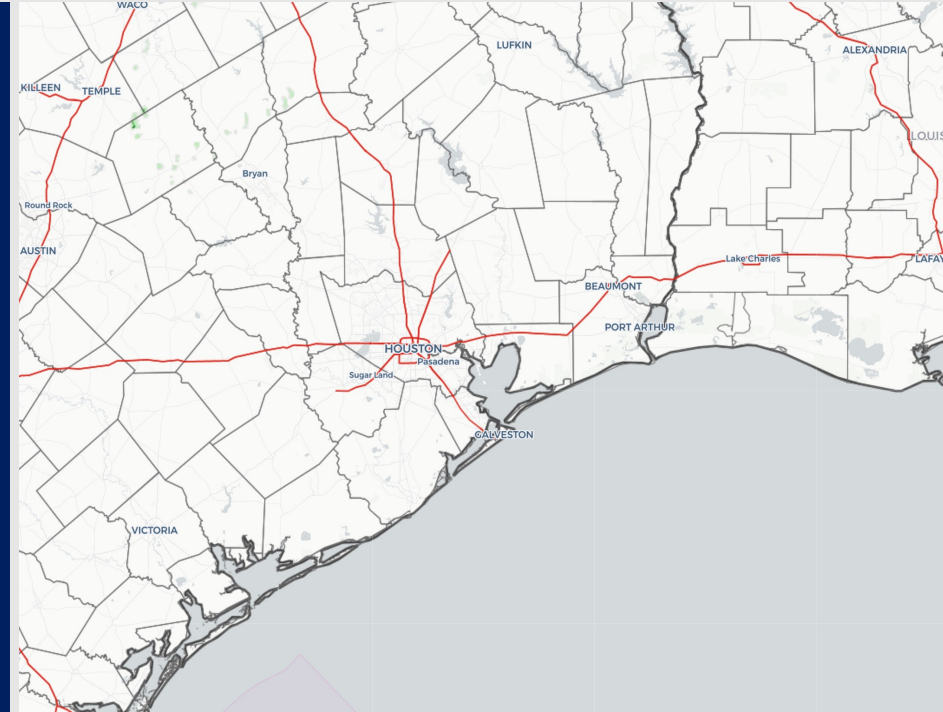
Updated: 4:20 AM CT

Monday, November 20, 2023

Forecaster: Matt Griffin

Weather Headlines

- Showers/ storms will be possible this afternoon. A non-zero risk for a stronger storm will be possible as well (Hail + isolated wind gusts of 40+ knots).
- Elevated northerly winds develop late tonight into tomorrow.
- Not anticipating any visibility concerns over the next few days.



Radar/NWS Alerts: 4:20 AM CT



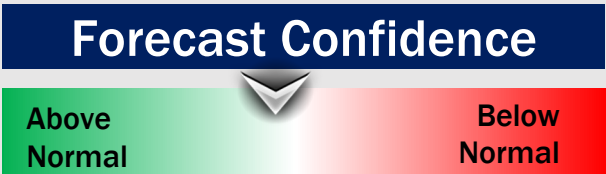
As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.

Houston Pilots Extended Range Visibility Report



Thursday 11/22/23

Data has backed off on the already low-end risk for fog development THU AM. We will continue to monitor, however, believe that it is unlikely at this time.



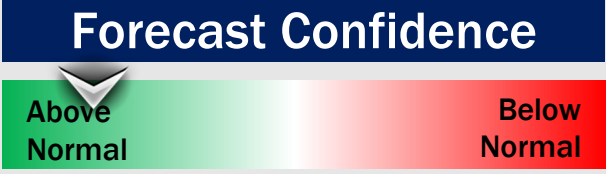
Saturday 11/24/23

No visibility concerns Saturday.



Friday 11/23/23

No visibility concerns Friday.



Chance for Fog

Thursday AM	Unlikely
Thursday PM	Unlikely
Friday AM	Unlikely
Friday PM	Unlikely
Saturday AM	Unlikely
Saturday PM	Unlikely

Houston Pilots Visibility Chart (miles)



Time	Mon 3am	Mon 4am	Mon 5am	Mon 6am	Mon 7am	Mon 8am	Mon 9am	Mon 10am	Mon 11am	Mon 12pm	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	Tue 1pm	Tue 2pm		
610 Bridge	10	10	10	9	9	9	10	10	10	10	10	10	10	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	9	9	9	10	10	10	10	10	10	10	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	9	9	10	10	10	10	10	10	10	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	9	9	10	10	10	10	10	10	10	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	9	9	10	10	10	10	10	10	10	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	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	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	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	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	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	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	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	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1 & 2 Bravo	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	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	Mon 3am	Mon 4am	Mon 5am	Mon 6am	Mon 7am	Mon 8am	Mon 9am	Mon 10am	Mon 11am	Mon 12pm	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	Tue 1pm	Tue 2pm	
610 Bridge	5	6	6	5	2	6	9	9	8	7	8	9	8	7	5	8	7	8	8	8	9	12	13	13	14	14	14	14	14	14	14	13	13	13	13	13	
	12	12	12	12	7	13	20	19	16	18	18	21	19	17	14	12	11	13	12	13	15	18	19	20	21	21	21	21	21	21	21	20	19	20	19	18	
	SSE	SSE	SSE	SSE	SSE	S	SSW	SSW	SW	SSW	SSW	SW	SW	SW	WSW	WSW	W	WNW	WNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	
Kinder 1	5	6	6	5	2	6	8	9	8	7	8	9	8	8	5	8	7	8	8	9	11	13	13	14	14	14	14	14	14	14	13	13	13	13	13		
	12	12	12	12	7	13	20	19	15	19	18	21	20	18	14	12	11	13	12	12	14	17	19	20	21	21	21	21	21	21	21	21	19	19	20	19	18
	SSE	SSE	SSE	SSE	SSE	S	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	WSW	WSW	W	WNW	WNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	
Greens Bayou	5	6	6	5	2	5	7	8	8	7	9	8	8	7	5	7	7	8	8	9	11	13	13	14	14	14	14	13	13	13	13	13	13	13	13	13	
	11	12	12	11	8	13	19	19	15	19	20	20	20	19	14	11	11	12	12	12	14	17	19	20	21	22	22	21	20	21	21	19	19	20	18	18	
	SSE	SSE	SSE	SSE	SSE	S	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	WSW	WSW	W	WNW	WNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	
Shell Crude	5	6	6	5	2	4	7	8	8	8	9	8	8	7	5	7	7	8	7	8	9	11	13	13	14	14	14	14	13	13	13	13	13	13	13	13	
	12	12	13	11	8	12	18	18	17	19	21	18	20	19	14	12	11	12	11	12	13	17	20	20	20	22	22	21	20	20	21	19	18	19	18	18	
	SSE	SSE	SSE	SSE	SSE	S	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	WSW	WSW	W	WNW	WNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	
Lynchburg Ferries	5	6	6	5	3	4	6	7	8	7	9	9	8	6	6	8	7	8	8	9	12	13	13	14	14	15	15	14	13	14	14	14	14	14	14	14	
	12	12	13	12	9	12	17	18	17	19	22	18	19	17	15	11	11	11	11	12	13	17	19	20	20	22	22	21	20	20	20	18	18	19	18	18	
	SSE	SSE	SSE	SSE	S	S	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	WSW	WSW	W	WNW	WNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	
Exxon 3	6	6	7	6	4	5	6	7	8	6	8	10	8	4	6	8	8	8	8	8	10	12	13	14	14	15	15	15	14	14	14	14	14	14	14	14	
	13	13	14	12	10	11	16	18	19	17	20	20	19	13	16	12	11	11	11	11	13	17	18	19	20	21	22	21	19	20	20	18	18	19	18	18	
	SSE	SSE	SSE	SSE	SSE	S	S	SSW	SSW	SSW	SSW	SW	SW	SW	WSW	WSW	W	WNW	WNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	
Morgans Point	7	7	7	7	6	6	6	8	8	6	8	10	8	5	6	9	8	8	8	9	10	13	14	15	16	16	17	16	16	16	15	15	15	15	15		
	14	14	15	14	12	11	15	17	17	15	18	23	19	12	14	12	11	11	11	14	16	18	20	20	21	22	21	20	20	21	19	19	19	18	19		
	SSE	SSE	SSE	SSE	SSE	SSE	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SW	WSW	WSW	W	WNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	
75/76	9	8	8	8	7	7	8	9	7	8	9	10	9	8	7	10	10	9	9	10	12	14	16	18	19	20	21	20	19	19	18	18	17	17	18		
	15	15	16	15	13	11	15	17	15	16	17	23	19	16	12	12	11	10	11	12	14	17	19	21	22	23	24	23	22	22	20	20	20	20	20		
	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	SSW	S	SSW	SSW	SSW	SSW	SW	WSW	WSW	W	WNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	
63/64	9	9	9	8	7	6	8	8	8	9	10	9	9	9	8	10	10	9	9	10	13	15	17	20	21	22	24	23	23	22	20	20	19	19	19		
	14	16	16	15	12	11	15	18	17	17	19	19	17	16	13	12	11	10	11	12	14	17	19	22	23	25	26	26	25	24	24	22	22	21	21	21	
	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	SSW	SSW	SSW	SSW	SW	WSW	WSW	W	WNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	
51/52	8	10	10	8	7	5	8	7	8	9	11	9	9	9	10	9	8	8	8	10	12	15	17	19	21	22	24	23	23	22	20	20	20	19	20		
	13	17	17	15	11	9	16	15	18	18	20	16	17	15	14	12	10	10	11	14	15	17	19	21	23	24	26	26	26	24	24	22	22	22	21	21	
	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	SW	SSW	SSW	SSW	SSW	SW	WSW	WSW	W	WNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	
37/38	7	10	10	8	6	4	8	7	9	9	10	10	10	10	9	9	8	8	8	9	12	14	16	19	21	22	23	23	23	22	21	21	20	20	20		
	14	17	17	15	12	10	15	12	18	19	18	17	19	18	14	11	10	9	10	11	14	17	19	21	23	24	26	26	25	25	23	23	22	22	22		
	SSE	SSE	SSE	SSE	SSE	SSE	SSW	S	SSW	SSW	SSW	SSW	SSW	SSW	SW	WSW	WSW	W	WNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	
25/26	7	9	9	8	6	5	7	8	11	9	9	10	9	10	9	9	8	7	7	9	10	13	15	17	19	20	21	22	22	21	21	20	19	19	19		
	14	16	16	14	12	12	13	19	18	17	17	17	17	18	13	12	10	10	12	14	17	18	20	22	23	25	26	25	24	24	22	22	22	22	21	21	
	SSE	SSE	SSE	SSE	SSE	SSE	SSW	S	SSW	SSW	SSW	SSW	SSW	SSW	SW	WSW	WSW	W	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	
11/12	9	10	10	9	7	7	8	9	11	9	10	9	9	10	9	9	8	8	8	9	11	13	15	16	18	20	20	21	21	21	20	19	19	19	19		
	15	16	17	15	13	14	13	16	18	16	17	15	15	16	14	12	11	11	11	13	14	17	18	20	21	23	24	25	24	24	24	22	22	22	21	21	
	SSE	SSE	SSE	SSE	SSE	S	S	S	S	SSW	SSW	SSW	SW	SW	SW	SW	WSW	W	W	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	
1 & 2 Bravo	9	11	11	11	9	8	8	8	9	6	6	8	9	10	12	12	11	10	10	11	13	16	18	20	22	24	24	25	25	24	23	22	22	22	21	21	
	14	16	17	16	15	15	12	13	14	12	13	16	15	17	20	14	13	12	12	14	16	18	20	22	24	26	26	27	26	24	24	24	24	24	24	23	
	SSE	SSE	SSE	SSE	SSE	S	S	S	S	SSW	S	S	SSW	SW	SW	SW	WSW	WSW	W	WNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	

NOTE: This is automated data that may/may not agree with the official BAM thinking that's found on the daily slides. This data should be used as a guide only

Houston Pilots: Mon. 11/20/2023



Forecast Discussion

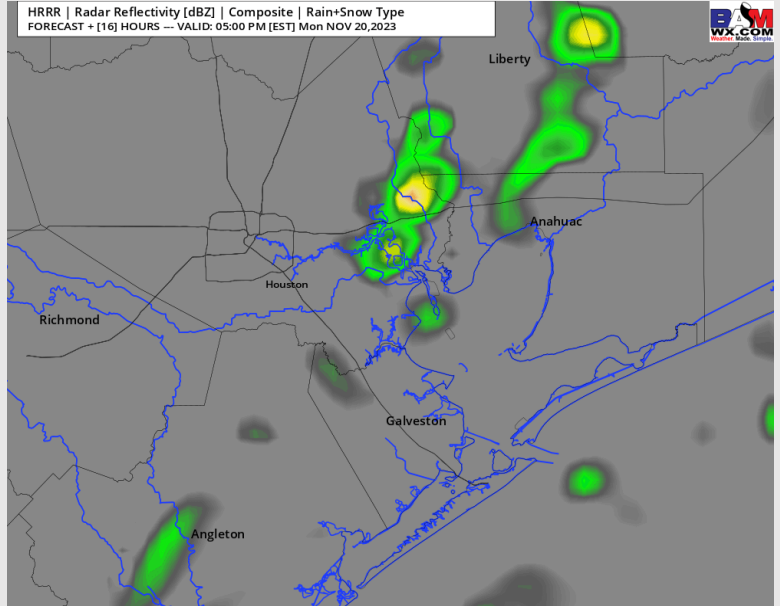
Precip: Best ingredients for stronger storms will generally sit north of the HOU area. However, we will need to watch for some storms in the 11 AM – 6 PM (40%) timeframe with a non-zero risk for stronger storms. Hail and isolated instances of wind gusts of 40+ knots will be possible. A very low-end risk for a tornado as well. Generally, the severe weather threat for today would be about a 1/5. Outside of this window, pockets of light rain will be possible as early as 5 – 7 AM this morning with 30% chances lingering through the AM. A cold front passes in the 7 – 10 PM timeframe tonight bringing with it another round of showers/ non severe storms. Drier weather expected thereafter.

Wind: SE winds this morning will gradually shift from the SW this afternoon. The cold front will usher in NW winds as it passes (from north to south) in the 7 – 10 PM timeframe. **N of Morgan's Point:** SE winds around 3 – 7 knots give way to NW winds of 8 – 13 knots into the afternoon. Gusts of 23 – 26 knots will be possible. Stronger gusts possible under storms. Winds shift out of the NW around 7 PM and continue around 4 – 9 knots through midnight. **S of Morgan's Point:** Wind from the SE around 8 – 13 knots will give to SW winds by 12 PM. Winds in the afternoon will generally be sustained around 10 – 15 knots. Gusts of 20 – 25 knots will be possible in the afternoon (stronger gusts under storms). Winds shift out of the NW in the 8 – 10 PM timeframe. Winds will start to become more elevated thereafter, especially for the boarding station. Sustained winds at the boarding station near midnight to be sustained around 14 – 20 knots with gusts up to 26 knots

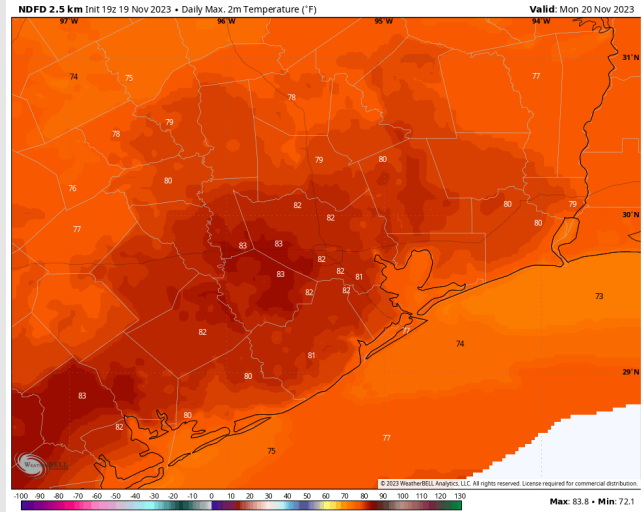
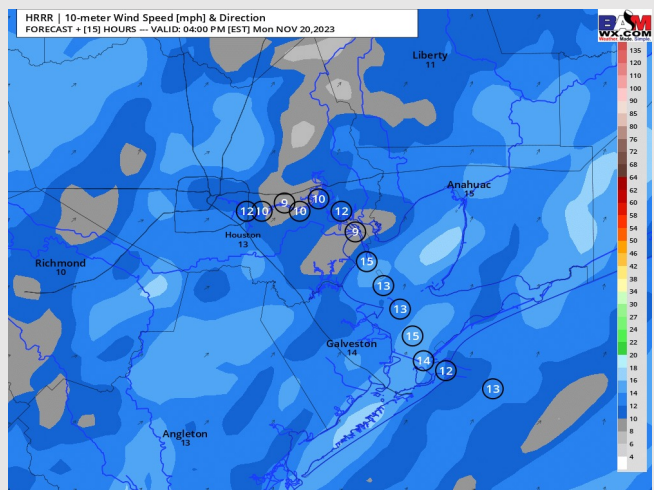
High Temps: N of Morgan's Point: Low 80s F. S of Morgan's Point: Mid 70s F.

Visibility: Not anticipating fog concerns currently.

Precip Image: 4 PM CT



Wind Speed:
3 PM CT



High Temps
Monday

Forecast Discussion

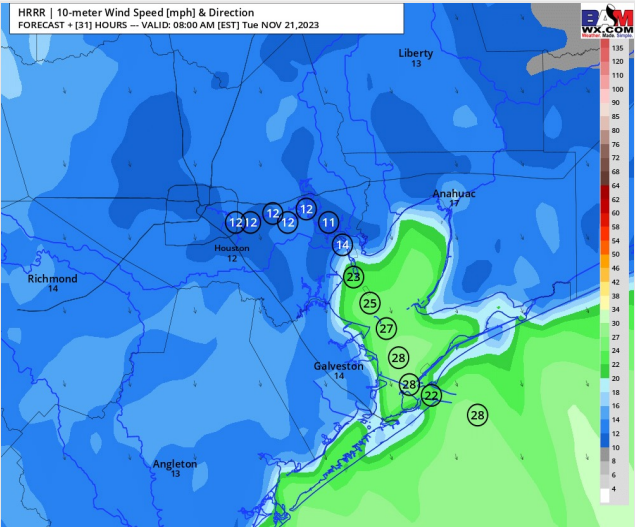
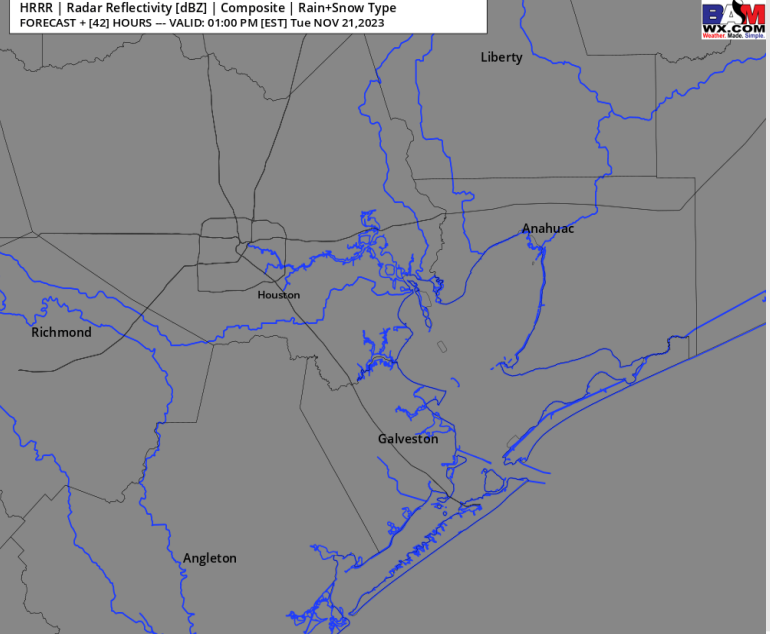
Precip: Conditions will become cooler and drier after the cold front passes on MON. Favoring dry conditions throughout the day.

Wind: Winds will be out of the NW throughout the day. **N of Morgan's Point:** Winds will gradually pick up through the AM becoming sustained around 7 – 12 MPH by 7 AM and 10 – 16 knots by 2 PM. Winds calm down to 8 – 13 knots after 7 – 8 PM. **S of Morgan's Point:** NW winds continue through the day around 18 – 26 knots. **Gusts of 27 – 30 knots cannot be ruled out with in the 3 AM – 7 AM and 6 PM – 9 PM windows (boarding station at greatest risk).**

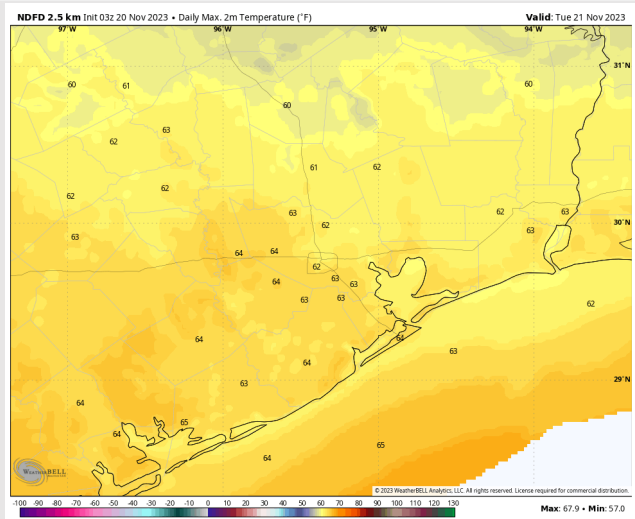
High Temps: Notably cooler behind the cold front. **N of Morgan's Point:** Mid 60s F. **S of Morgan's Point:** Mid 60s F.

Visibility: No visibility concerns the rest of the day.

Precip Image: 12 PM CT



**Wind Speed:
7 AM CT**



**High Temps
Tuesday**

Forecast Discussion

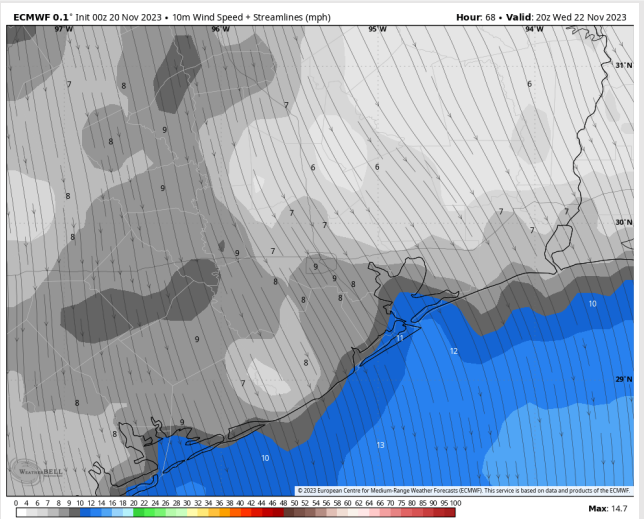
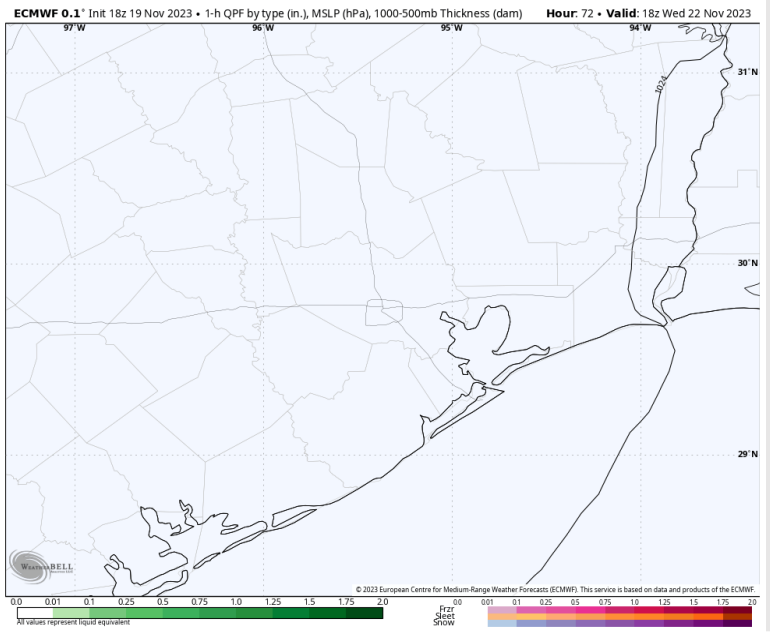
Precip: Dry conditions favored for WED.

Wind: Winds from the NW throughout the day. **N of Morgan's Point:** Winds calm down to 3 – 8 knots in the AM and remain weaker like this through the day. **S of Morgan's Point:** Winds gradually weaken through the AM becoming sustained around 6 – 12 knots into the PM.

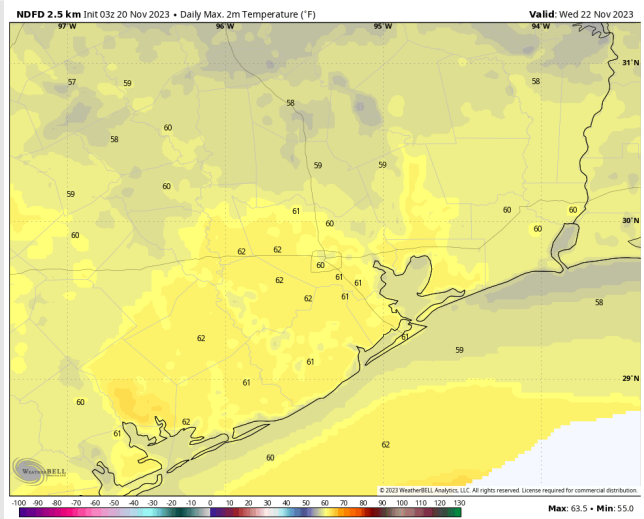
High Temps: **N of Morgan's Point:** Low 60s F. **S of Morgan's Point:** Low 60s F.

Visibility: No visibility concerns for the rest of the day

Precip Image: 12 PM CT

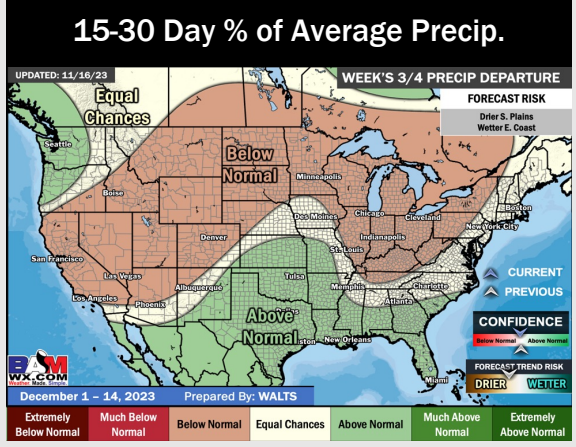
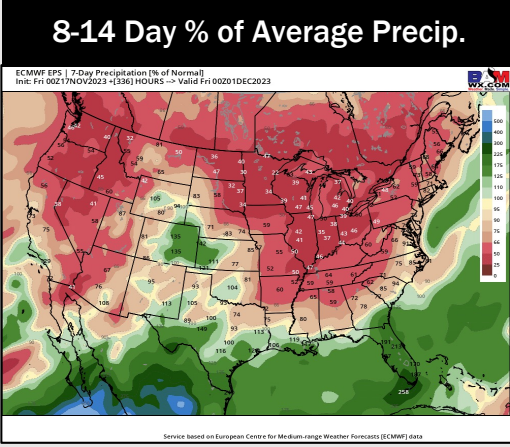
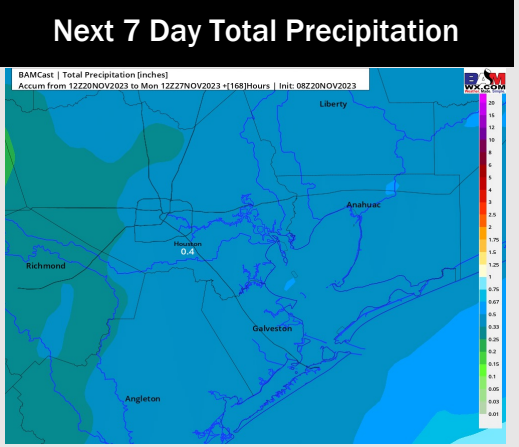
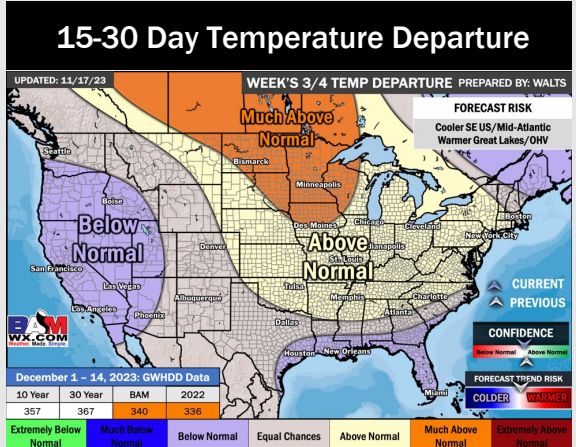
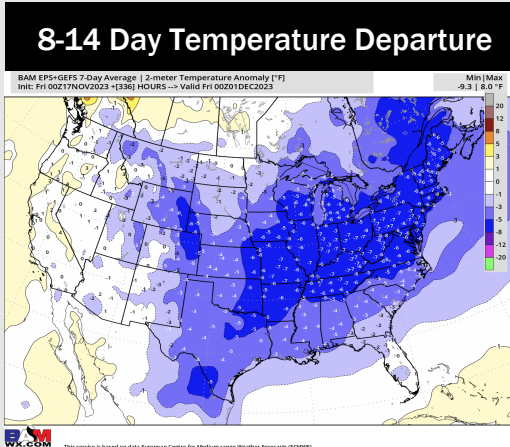
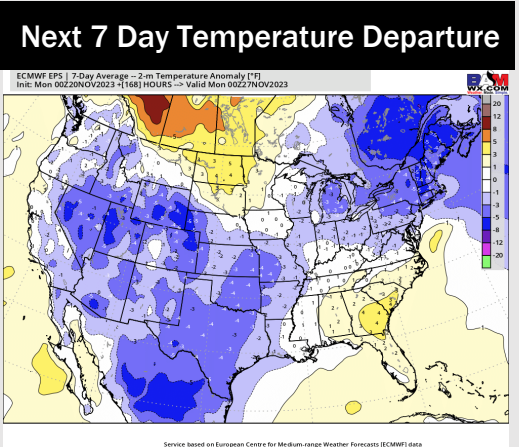


Wind Speed:
2 PM CT



High Temps
Wednesday

Houston Pilots: 11/20/23



- Outside of chances today, additional shots of precipitation exists on THU and SUN upcoming. Generally cooler weather is expected this week behind the cold front tonight.
- Above normal rainfall and below normal temperatures are expected into the week 2 timeframe.
- Below normal temperatures and above normal chances for precipitation are favored in the weeks 3/4 timeframe.