

Houston Pilots Forecast Package



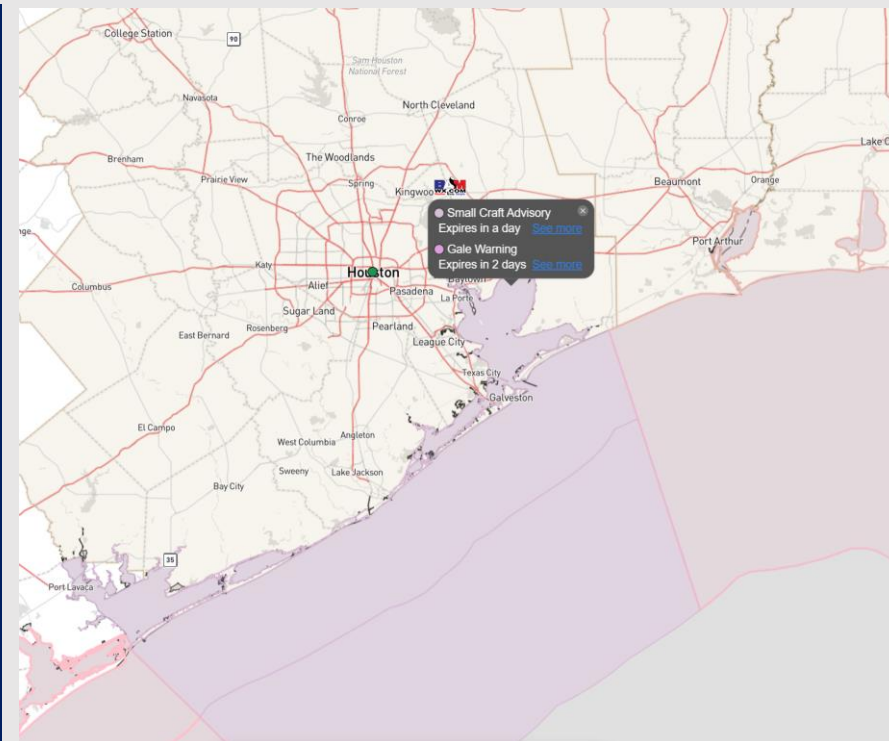
Updated: 3:40 PM CT

Sunday, January 7, 2024

Forecaster: Xander Lowry

Weather Headlines

- Favoring a dry rest of the day. Watching Monday AM ~7 AM at the earliest for rain chances to enter.
- Winds will remain generally calm throughout this morning, however watching for strong gust potential starting this afternoon with incoming rain showers and continue to start the week.
- **Anticipating reduced visibilities to be possible with rain chances/storms on MON with a low-end fog threat prior.**
- **A low end-severe threat will be possible with storms on Monday as well.**
- **Monday night and into Tuesday morning there is a risk of elevated wave heights of 6' - 8'. Check the wave height slide for more info.**



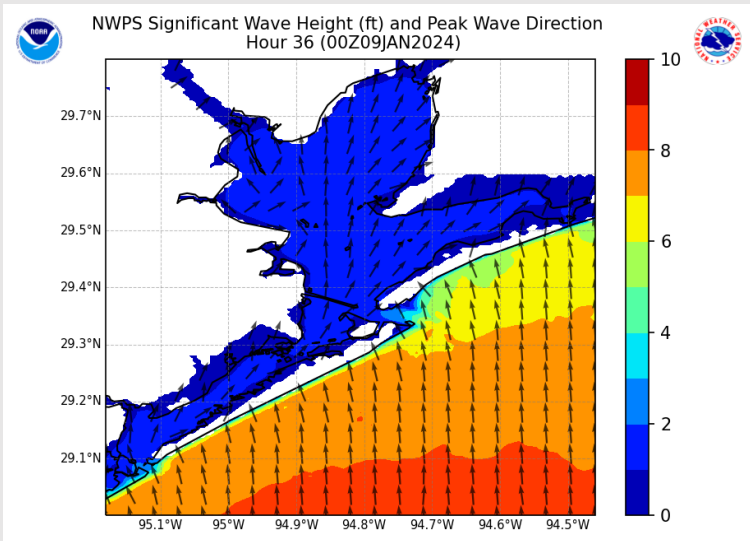
Radar/NWS Alerts: 3:40 PM CT



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.

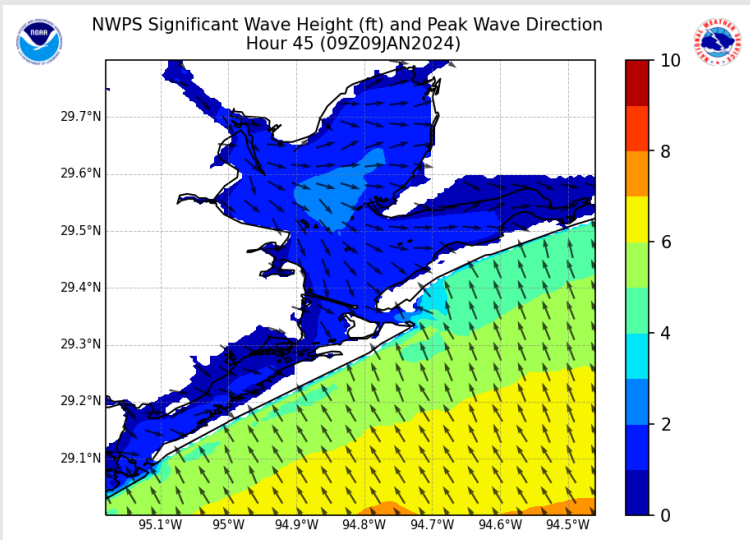
Houston Pilots Wave Height Update

Significant Wave Height Image



6 PM CT MON

Wave heights of 6' - 8' will only be a concern for the Boarding Station between 6PM MON - 3AM CT TUE.



3 AM CT TUE

There is a low-end chance of waves of 8' - 10' near the boarding station between 6PM MON to 12AM TUE.

Houston Pilots Extended Range Visibility Report



Wednesday 1/10/24

No visibility concerns for Wednesday.

Forecast Confidence



Thursday 1/11/24

No visibility concerns for Thursday.

Forecast Confidence



Friday 1/12/24

No visibility concerns for Friday.

Forecast Confidence



Chance for Fog

Wednesday AM	Unlikely
Wednesday PM	Unlikely
Thursday AM	Unlikely
Thursday PM	Unlikely
Friday AM	Unlikely
Friday PM	Unlikely

Houston Pilots Visibility Chart (miles)



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

NOTE: This is the Visibility Log from the AM update. Currently dealing with data issues on initializing hourly visibility data. Check SAT PM slide for more details.

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	Sun 10am	Sun 11am	Sun 12pm	Sun 1pm	Sun 2pm	Sun 3pm	Sun 4pm	Sun 5pm	Sun 6pm	Sun 7pm	Sun 8pm	Sun 9pm	Sun 10pm	Sun 11pm	Mon 12am	Mon 1am	Mon 2am	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			
610 Bridge	1	4	5	5	6	7	7	7																															
Kinder 1	6	7	8	8	9	10	12	15																															
Greens Bayou	5	7	7	8	8	10	11	14																															
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Morgans Point	6	7	7	7	9	10	12	15																															
75/76	6	7	8	8	9	12	14	17																															
63/64	6	7	8	8	10	13	14	17																															
51/52	7	7	8	8	12	13	15	17																															
37/38	6	6	5	6	9	9	10	11																															
25/26	8	8	8	11	12	13	15	17																															
11/12	7	7	7	10	10	10	11	12																															
1 & 2 Bravo	9	10	11	12	13	13	15	17																															

Data Error

NOTE: This is the wind Log from the AM update. Currently dealing with data issues on initializing hourly wind data. Check SAT PM slide for more details.

Houston Pilots: Sun. 01/07/2024



Forecast Discussion

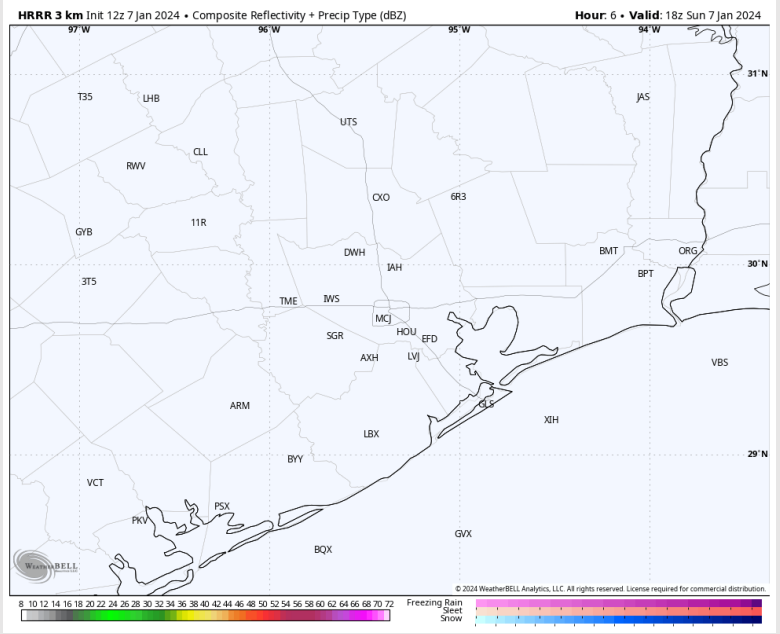
Precip: Favoring dry conditions to continue through today.

Wind: Winds will veer clockwise to being out of the SE by 7 PM. **N Morgan's Point:** 3- 7kts through 4PM before increasing to 5 - 10 kts. **S of Morgan's Point:** 5 - 10 kt through 4 PM before increasing to 9 - 14 knots, then to 12 - 17 kts by 7 PM. The Boarding station will remain at 7 - 12 kts, increasing to 12 - 17 kts by 4 PM, then 17 - 22 kts by 7 PM. **Gusts of up to 25 kts cannot be ruled out after 6 PM for stations S of Morgan's Point and up to 30 kts at the Boarding Station after 8 PM.**

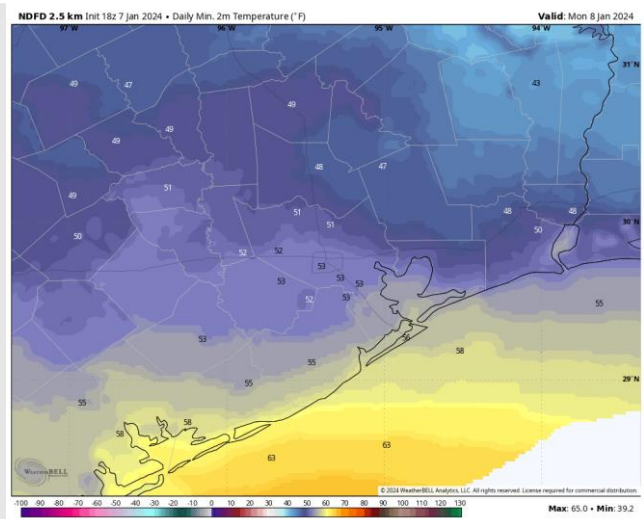
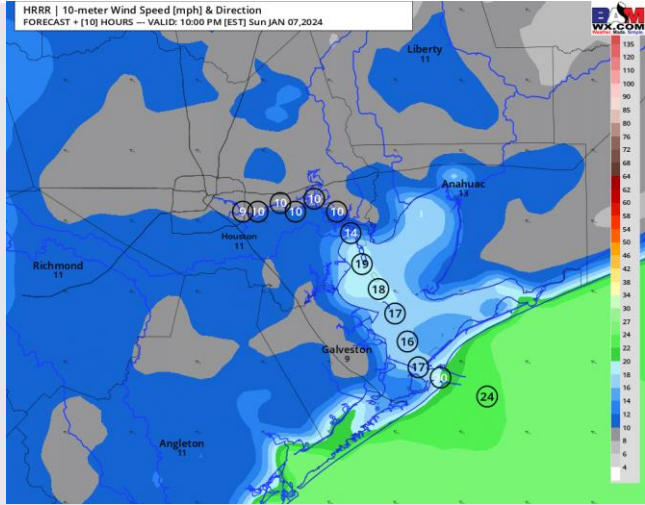
Low Temps: **N of Morgan's Point:** mid/low 50s F. **S of Morgan's Point:** upper 50s F.

Visibility: No visibility concerns for today.

Precip Image: 12 PM CT



Wind Speed:
9 PM CT



Low Temps
Monday

Houston Pilots: Mon. 01/08/2024



Forecast Discussion

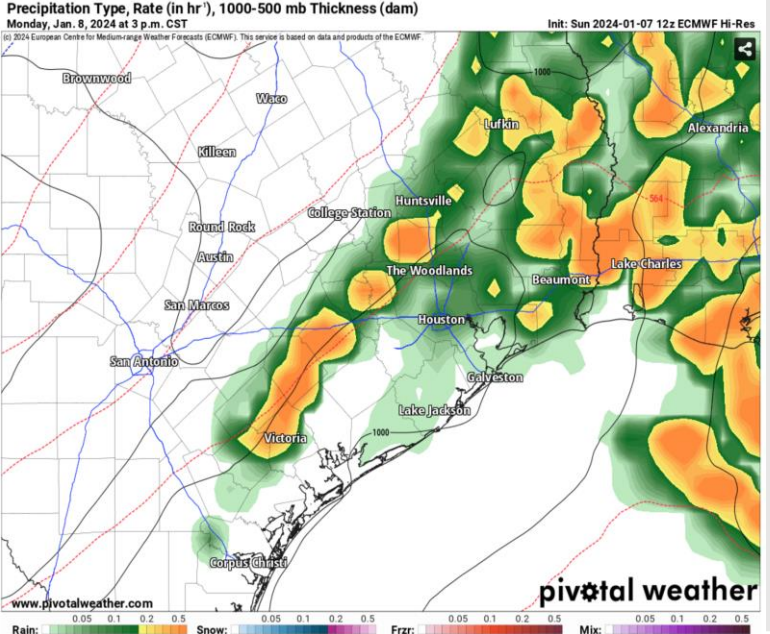
Precip: Anticipating showers/storms to push in from the West around 7-9 AM MON. While there is lower confidence at this time, storms will have potential to be severe in nature. Main threats will be gusty winds of up to 40 kts with locally higher gusts. Small hail and an isolated tornado cannot be ruled out mainly from 10 AM - 8 PM (timeframes will need narrowed down). Anticipating Storms to be out of the area by 9 PM CT with lingering light showers the rest of the evening

Wind: Winds are expected to be out of the SE through 4 PM before being out of the SW. Winds will then be out of the NW after storms pass after 9 PM. **N of Morgan's Point:** 7 - 12 kts through 9 AM before increasing to 10-15 kts. Winds will decrease to 2 -7 kts once the front passes at 10PM. **S of Morgan's Point:** 16 - 21 kts in the AM, increasing to 18 - 23 kts in the afternoon. The **Boarding Station** follows a similar progression with speeds higher by a factor of about 2 kts. (18 - 23 kts prior to noon, 20 - 25 kts thereafter). **Under any strong storm cells in the AM, gusts locally of up to 40 kts cannot be ruled out. Most locations will pose the risk for at least 28 - 33 kt gusts under cells, with sustained gusts all day of 25-30 kts towards the Boarding Station. With the passage of the front wind gusts of 45 - 55 MPH over the bay/near the bordering station will be possible.**

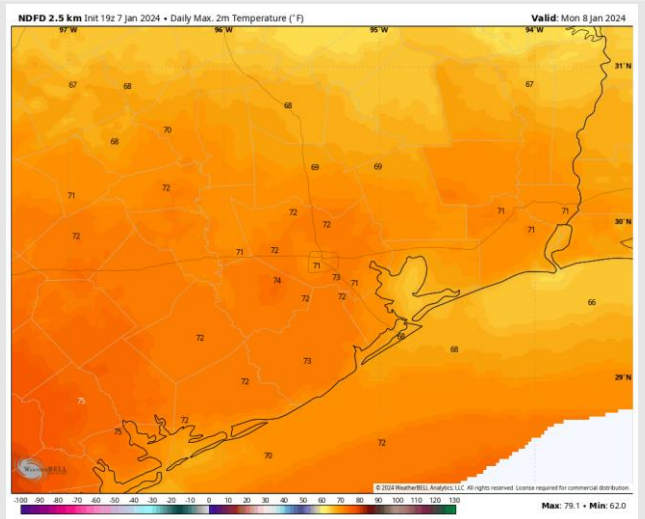
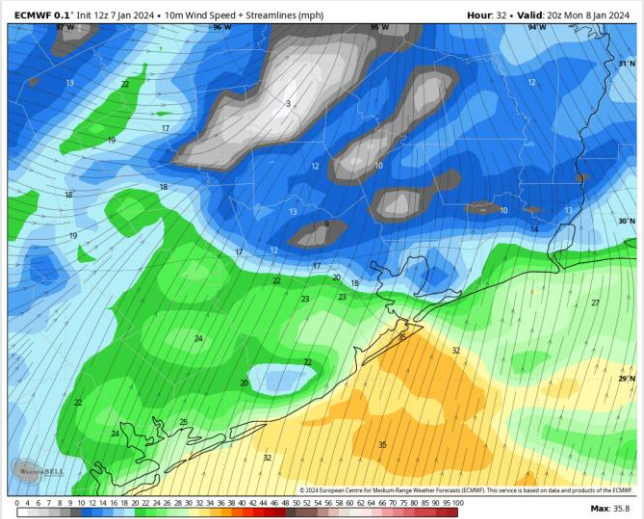
High Temps: Significantly warmer ahead of a cold front. **N of Morgan's Point:** Low 70s **F S of Morgan's Point:** Upper 60s F

Visibility: A low end fog risk MON AM ahead of rain chances, however reduced visibilities of 2-4 miles will be possible under any storm throughout the day on Monday

Precip Image: 8 PM CT



Wind Speed:
2 PM CT



High Temps
Monday

Forecast Discussion

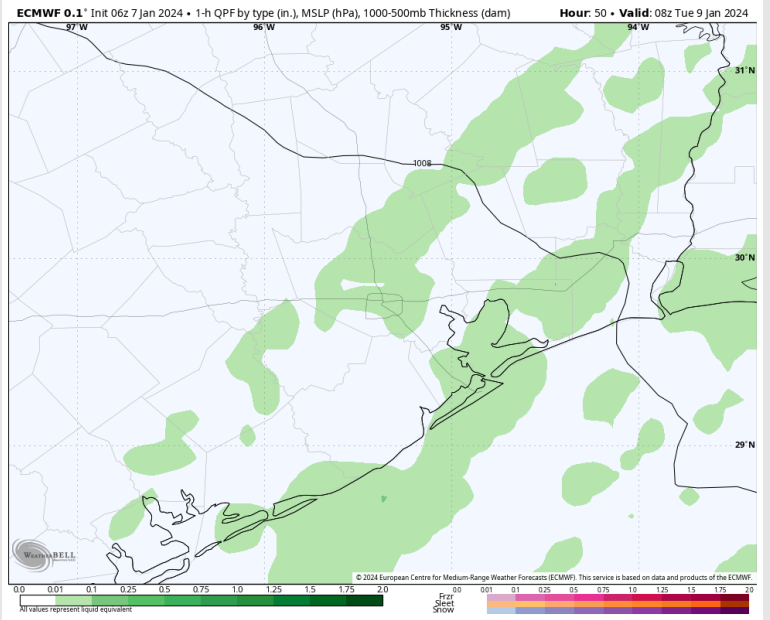
Precip: Favoring dry conditions for TUE outside of light scattered rain lingering through ~5 AM from Monday's activity.

Wind: NW winds the entire day TUE. **N Morgan's Point:** Winds at 10-15 kts through 12 PM, then increase to 13-18 kts. After 6 PM, winds die down to 3-8 kts. **S of Morgan's Point:** 23-28 kts through 5 PM before gradually decreasing to 12-17 kts by 8 PM and 8-13 kts by 11 PM. **Wind gusts of 30-35kts will be possible at all stations from 9 AM to 5 PM TUE.**

High Temps: Significantly cooler **N of Morgan's Point:** Mid 50s F. **S of Morgan's Point:** Mid 50s F.

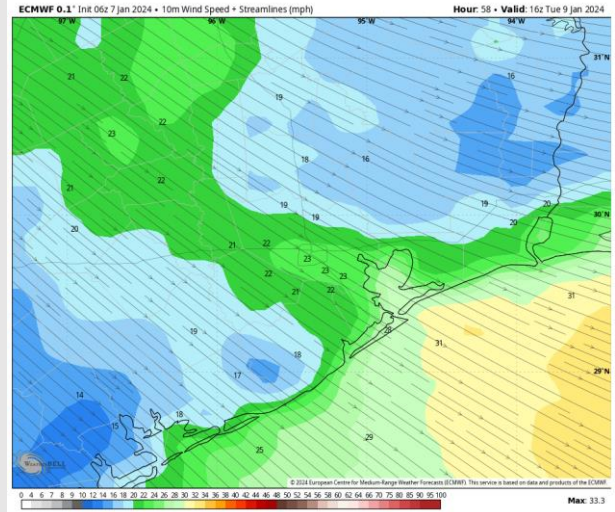
Visibility: Not anticipating any visibility concerns Tuesday.

Precip Image: 2 AM CT



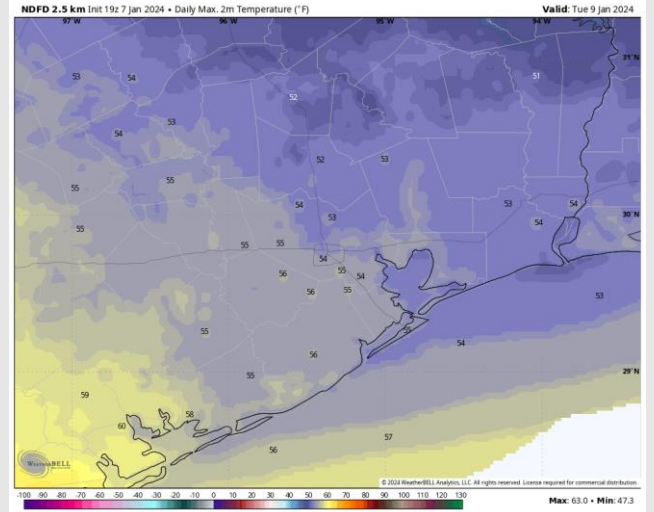
ECMWF 0.1" Int 06z 7 Jan 2024 • 10m Wind Speed • Streamlines (mph) Hour: 58 • Valid: 16z Tue 9 Jan 2024

Wind Speed:
10 AM CT

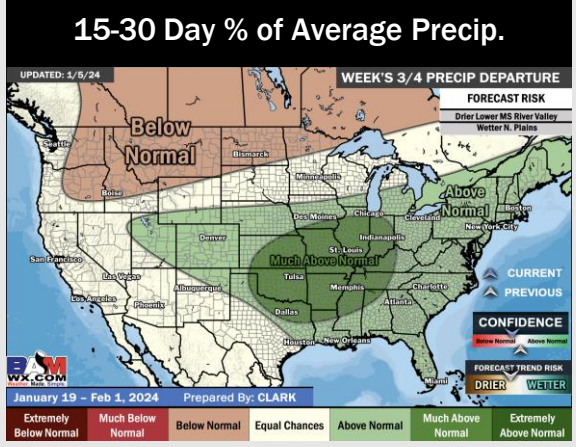
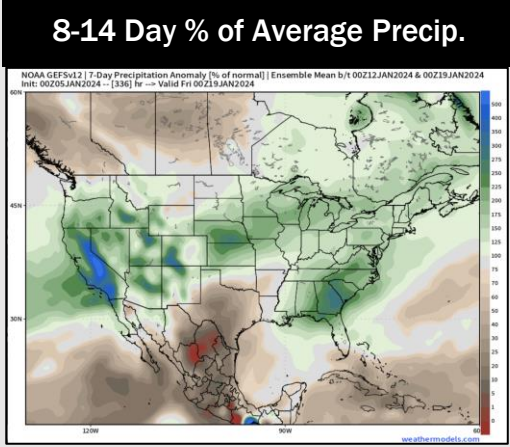
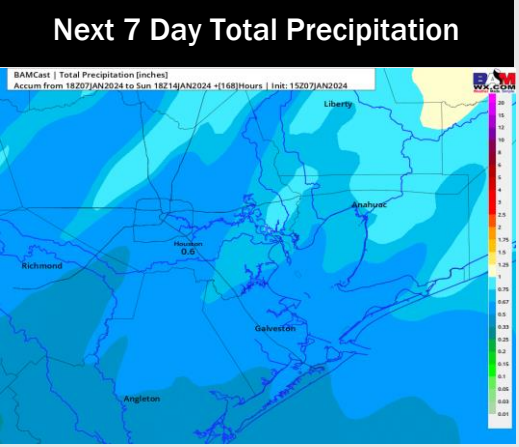
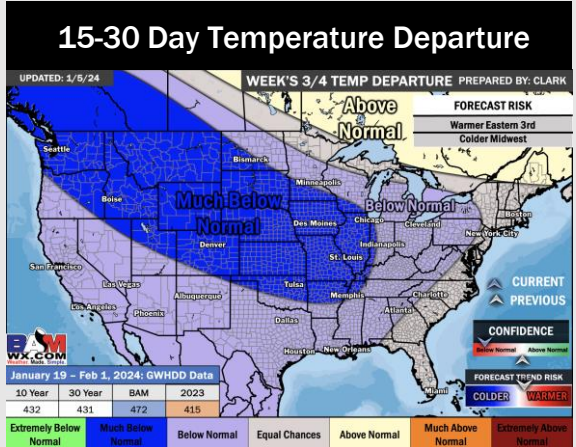
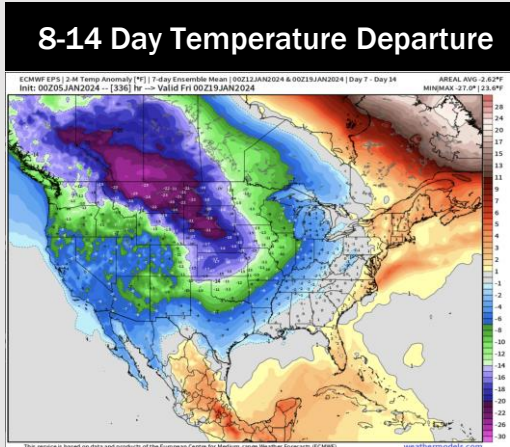
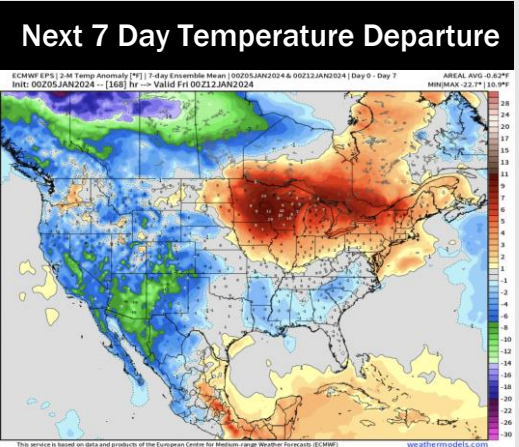


NDFD 2.5 km Int 19z 7 Jan 2024 • Daily Max. 2m Temperature (°F) Valid: Tue 9 Jan 2024

High Temps
Tuesday



Houston Pilots: 1/7/2024



- Aside from Monday/Tuesday the next opportunities for rain will be Thursday/Friday. Seasonable to slightly below normal temperatures for next week.
- Need to monitor for wetter trends towards the end of next week.
- Below normal temperatures and seasonal chances for precipitation are favored in the weeks 3/4 timeframe.