

Houston Pilots Forecast Package

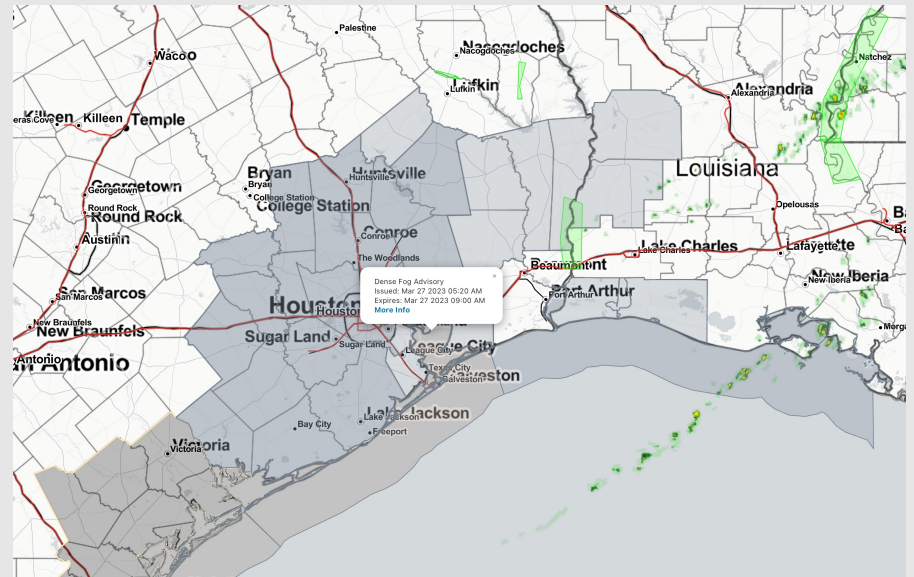


Updated: 5:30 AM CT
Monday, March 27, 2023

Forecaster: Matt Griffin

Weather Headlines

- Threat for reduced visibility continues this morning and again into tomorrow morning (more info on next 2 slides)
- A few chances for moisture upcoming. Watching for some storms into tomorrow morning.
- Favoring calmer winds today before becoming more elevated getting into Tuesday and Wednesday.



Radar/NWS Alerts: 5:29 AM CT

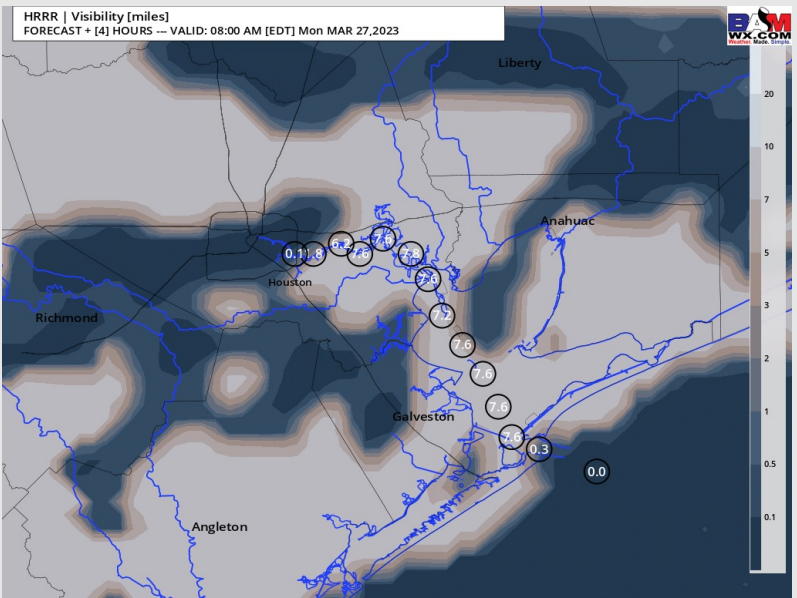


As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.

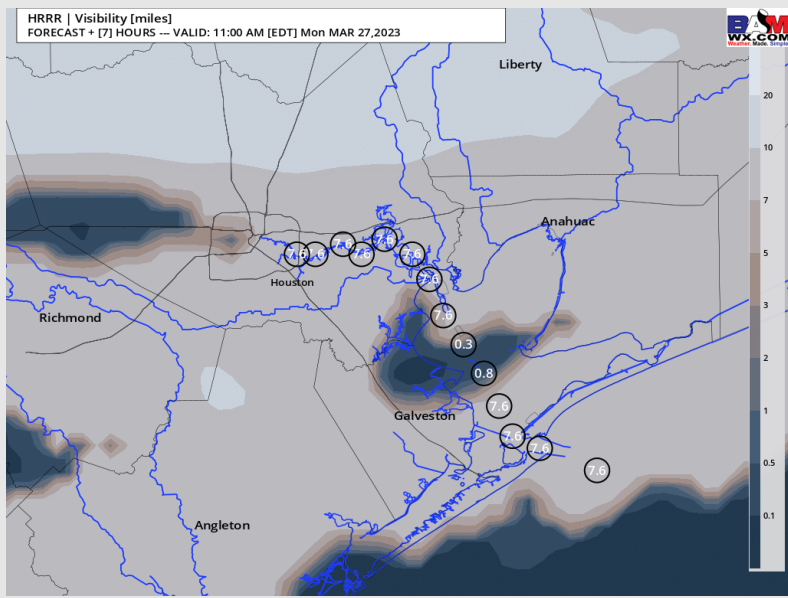
Houston Pilots Visibility Report



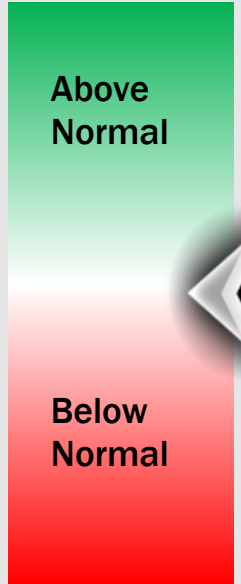
7 AM CT MON VISIBILITY



10 AM CT MON VISIBILITY



Confidence



TIMEFRAME DISCUSSED	THREAT
CURRENT - 10 AM MON	Med

- Areas of Dense fog are already ongoing this morning, especially for stations closer to the Boarding Station
- Risk for dense fog will be elevated for stations C to A this morning out through about the 10 AM timeframe. Elsewhere, instances of patchy fog will be possible further to the north.
- After 10 AM, the fog threat for most stations should start to wane. However, watching for the potential for fog to linger at the boarding station throughout the day.
- Current thinking is that the sea fog threat will better set up further into the Gulf after 10 AM. However, instances of sea fog will be possible from 10 AM - 7 PM for the boarding station. This would be anticipated to be more patchy in nature during this timeframe and overall lower confidence.
- More information on additional fog threats late tonight/ tomorrow AM on next slide.

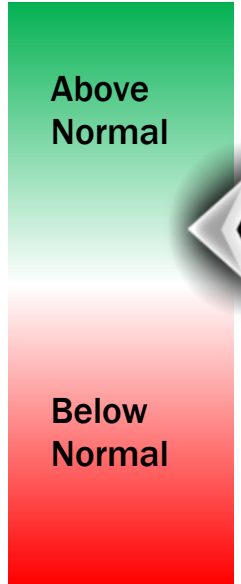
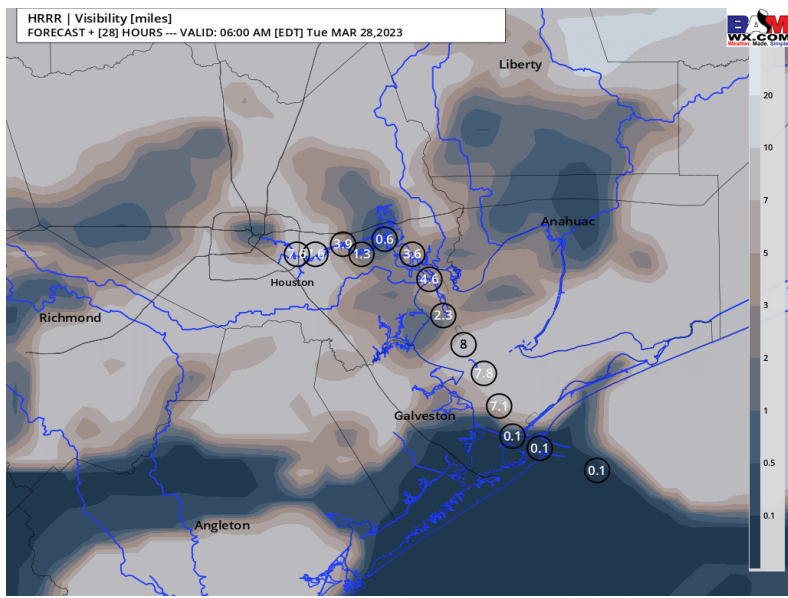
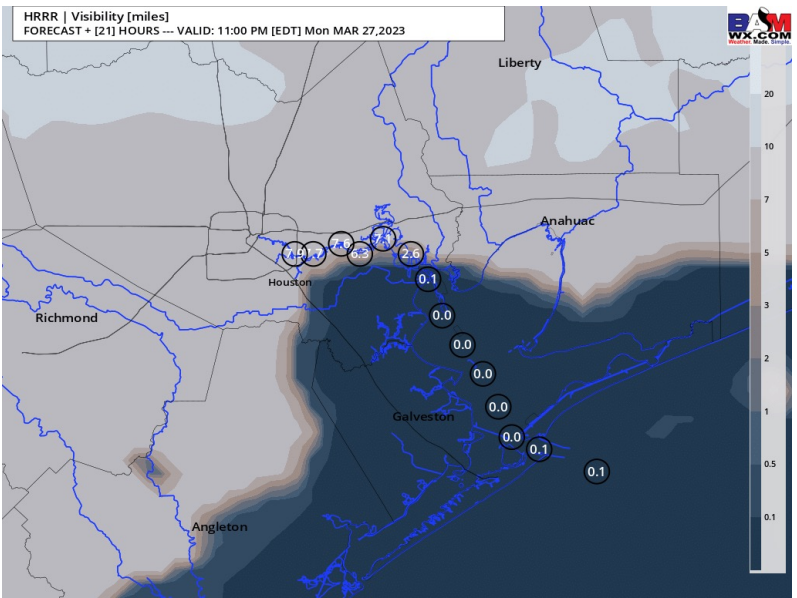
Houston Pilots Visibility Report



10 PM CT MON VISIBILITY

5 AM CT TUE VISIBILITY

Confidence



TIMEFRAME DISCUSSED	THREAT
7 PM MON - 6 AM MON	Med-High

- Another round of fog is anticipated tonight across all stations. Fog is anticipated to be on the uptick from 7 PM tonight through 11 PM tonight from south to north.
- From 12 AM - 5 AM, the threat for sea fog will start to let up for stations G and points north as a cold front starts to move across the area. However, sea fog will still be ongoing for stations south of G (letting off from north to south).
- From 5 - 6 AM, fog should start to let off at the boarding station as the cold front ushers in drier air in its wake.
- Current anticipation is that dense fog does develop with this threat tonight as the overall set up (SE winds out ahead of a cold front) would be favorable.
- Given this and data support, confidence is slightly above normal for sea fog to form. Speed of cold front (quicker vs slower) could alter the timing of how quickly/ slowly fog threat wanes into tomorrow morning.

Houston Pilots Extended Range Visibility Report



Thursday 3/30/23

SE winds at least suggest the potential is there for sea fog. However, moisture looks a bit lacking towards the surfaces which a limiting factor. Slightly better threat THU night into FRI AM.



Friday 3/31/23

Winds out of the SE for most of the day along with low level moisture available there is a very low end risk for fog development.



Saturday 4/1/23

The threat for sea fog is once again possible into SAT AM with continued onshore flow.



Chance for Reduced Visibility

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

Houston Pilots Visibility Report



Confidence

Above Normal

▼

Below Normal

More info regarding fog threats in visibility slide.

Time	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	Tue 3pm	Tue 4pm	
610 Bridge	6	5	2	7	5	7	9	10	10	10	10	10	10	10	9	7	7	5	4	4	3	2	3	3	3	4	4	7	10	10	10	10	10	10	10	10	10
Kinder 1	6	5	3	7	5	7	9	10	10	10	10	10	10	10	9	7	7	5	4	4	3	2	3	3	3	4	4	7	10	10	10	10	10	10	10	10	10
Greens Bayou	6	6	4	8	4	7	9	10	10	10	10	10	10	10	9	7	7	5	5	4	3	3	3	4	4	5	5	7	10	10	10	10	10	10	10	10	10
Shell Crude	7	6	5	8	4	7	8	10	10	10	10	10	10	10	9	7	7	6	5	4	4	3	4	4	4	4	5	5	6	9	10	10	10	10	10	10	10
Lynchburg Ferries	6	6	6	7	3	7	9	10	10	10	10	10	10	10	9	7	7	6	5	4	4	3	4	4	4	4	5	5	7	9	10	10	10	10	10	10	10
Exxon 3	6	5	7	7	3	7	8	10	10	10	10	10	10	10	9	9	7	7	6	5	5	4	3	4	4	4	5	5	7	9	9	10	10	10	10	10	10
Morgans Point	7	5	5	6	3	6	8	9	10	10	10	10	10	9	8	9	7	7	6	6	5	5	4	5	5	5	5	6	7	9	9	10	10	10	10	10	10
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Houston Pilots Wind Report



Confidence



Example

Sustained wind 13 Knots
Gusts 18 Knots
Wind from the N

WS: 13
G:18
N

Time Knots	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	Tue 3pm	Tue 4pm		
610 Bridge	5	6	6	6	6	5	5	5	5	5	6	7	7	8	7	6	6	5	5	5	5	5	5	5	6	8	9	11	12	14	15	16	16	16	15	15		
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Kinder 1	5	6	6	7	6	5	5	5	5	5	6	7	7	8	7	6	6	5	5	5	5	5	5	5	6	8	9	11	11	13	14	15	16	16	15	15		
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Greens Bayou	5	6	6	7	6	5	5	5	5	5	5	6	7	7	7	6	5	5	5	5	5	5	5	5	6	8	9	10	11	13	14	15	16	16	15	15		
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Shell Crude	5	6	6	7	6	5	5	5	5	5	5	7	8	7	7	6	5	5	5	5	5	5	5	5	6	8	9	10	11	13	14	15	16	15	15	15		
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Lynchburg Ferries	5	7	7	7	6	5	5	4	4	5	5	6	7	7	7	6	5	5	5	5	5	5	5	6	8	9	11	11	13	14	15	16	15	16	15	15		
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Exxon 3	5	7	6	7	6	5	5	5	5	5	5	7	7	7	7	6	5	5	5	5	5	5	6	6	6	6	8	9	11	11	13	14	15	16	15	16	15	
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1 & 2 Bravo	7	4	4	5	7	7	7	7	7	8	7	6	5	6	5	7	9	9	8	8	6	6	6	5	7	8	9	11	14	17	19	19	20	19	19	18	18	
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Houston Pilots: Mon. 3/27/2023



Forecast Discussion

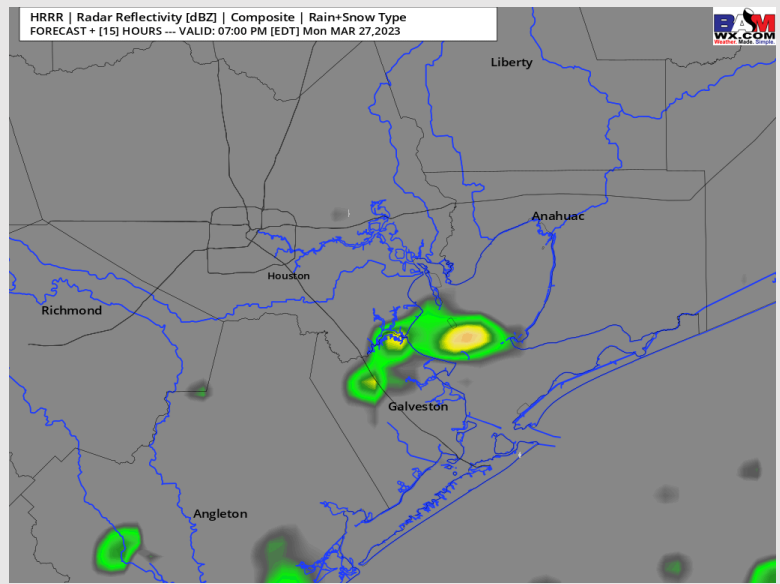
Precip: A few scattered showers will be possible this afternoon. Especially in the 4 – 8 PM timeframe. A lightning strike cannot be ruled out. Chances for storms, some strong in nature, will be possible into TUE morning (more info on following slide).

Wind: Winds will continue to be more out of the ENE this morning around 6 – 11 knots sustained. Gusts up to 14 knots will be possible. From about 12 PM – 8 PM, ENE winds will gradually start to shift more out of the ESE and weaken a bit as well to 2 - 9 knots sustained (wind speeds likely quite variable). Gusts in the afternoon near 16 knots will be possible. Winds continue to be on the weaker side through the evening as well.

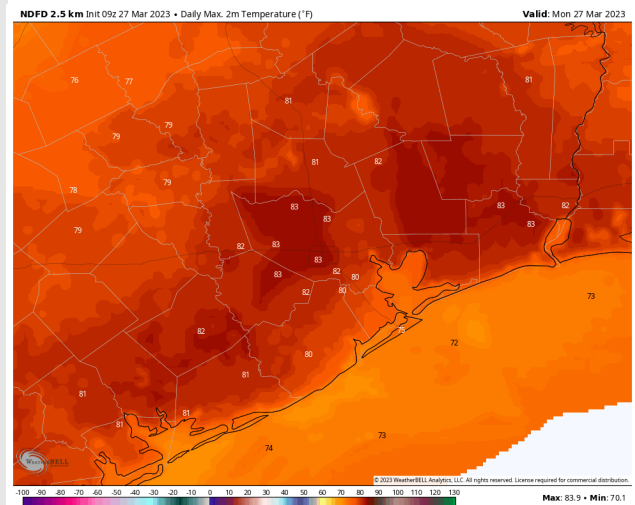
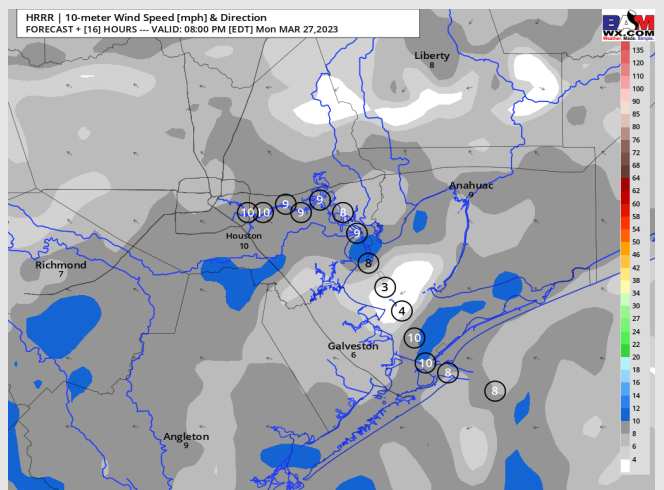
Temps: High temperatures today look to get into the mid to upper 70's F over open waters.

Visibility: Fog risk continues this morning with additional risks into tomorrow morning. More info in slides 2/3.

Precip Forecast: 6 PM CT



Wind Speed 7 PM CT



High Temps Today

Houston Pilots: Tue. 3/28/2023



Forecast Discussion

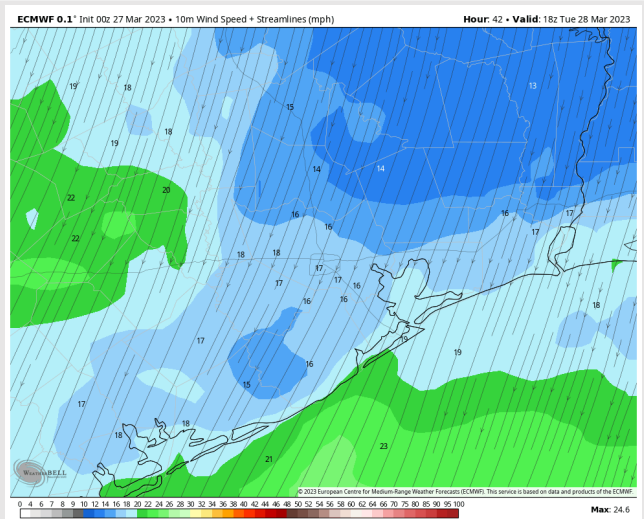
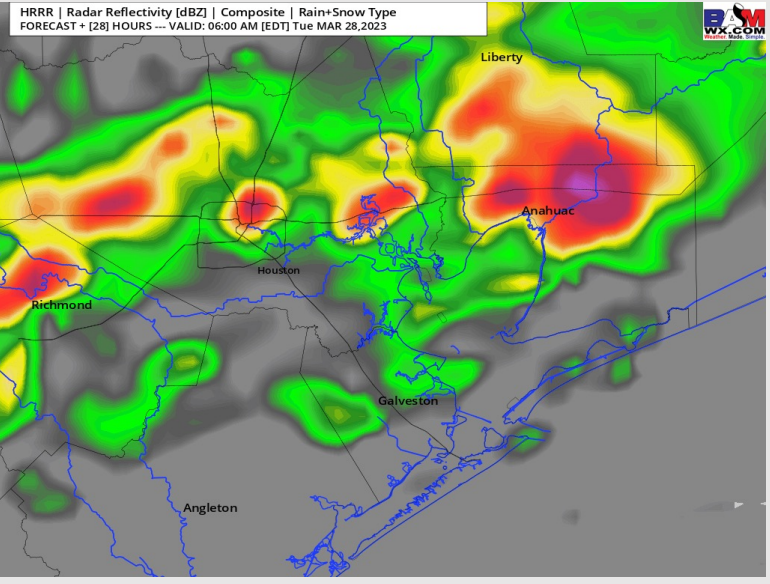
Precip: Chances for storms will be on the increase after midnight tonight. Greatest threat time will be in 2 AM – 8 AM. A few of these storms could be strong to severe in nature (lower end risk) with hail/ strong wind gusts being the primary risks. A few showers may linger through about 9 – 10 AM with dry conditions thereafter.

Wind: Around midnight to 5 AM winds will start to shift more out of the ENE around 3 – 9 knots. After a cold front passes, winds will be on the increase out of the NE. From roughly 10 AM to 6 PM TUE, sustained winds look to be around 13 – 18 knots with gusts near 25 knots possible (especially from about 1 – 4 PM). After 6 PM, winds start to calm down generally 5 – 10 knots sustained out of the NE. However, towards the boarding station, sustained winds likely remain slightly elevated. Near 13 – 17 knots sustained.

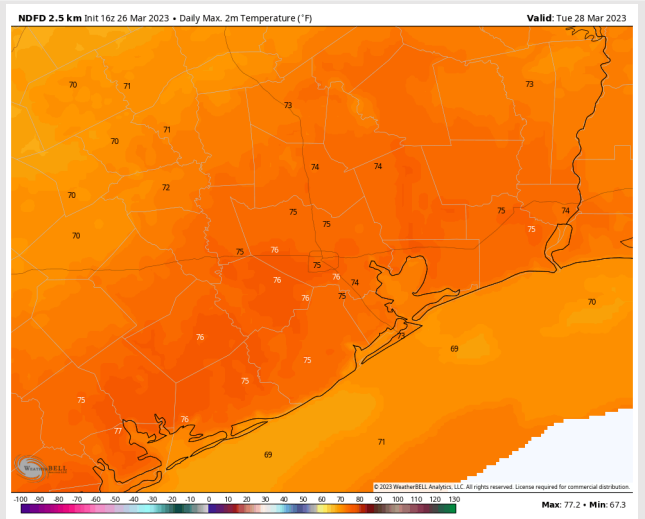
Temps: Favoring high temps Tuesday to be in the low to near 70s F for stations S of Morgan’s Point with all other stations seeing temperatures in the mid to upper 70s F.

Visibility: Fog possible into TUE AM. More info on slide 3.

Precip Forecast: 5 AM CT



Wind Speed
1 PM CT



High Temps
Tuesday

Houston Pilots: Wed. 3/29/2023



Forecast Discussion

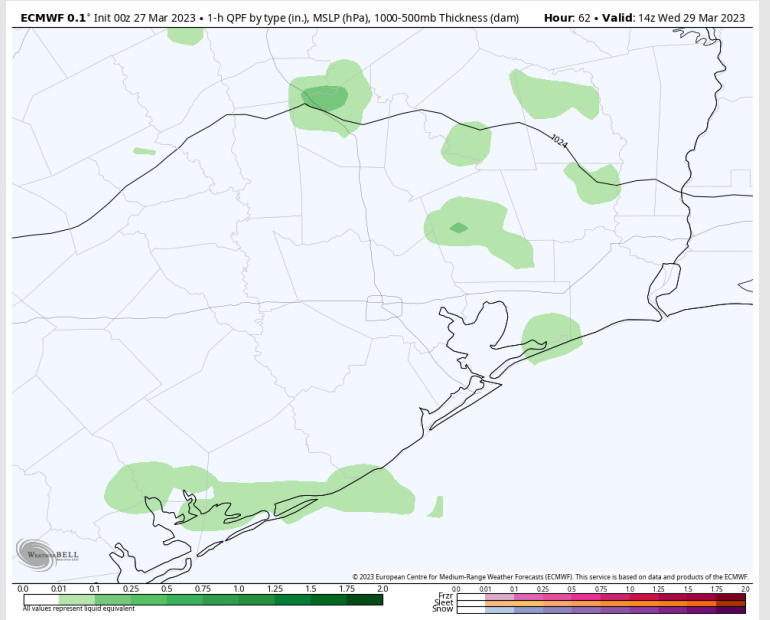
Precip: Favoring a 20%chance for scattered showers throughout the morning Wednesday. Favoring after 3 – 5 PM for shower chances to taper off leaving the rest of the evening dry.

Wind: Anticipating sustained winds out of the ENE throughout most of the day at 8 – 13 kts N of Morgan’s Point and 15 – 20 kts S of Morgan’s Point. Winds will shift out of the SE getting later into the evening Wednesday. Gusts up to 25 kts will be possible especially near the Boarding Station.

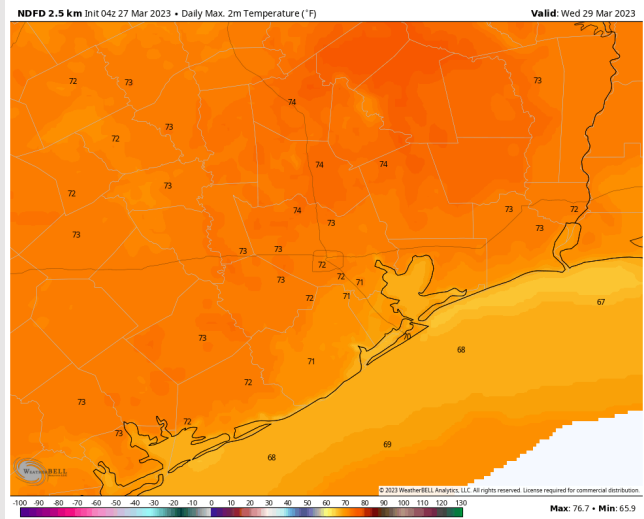
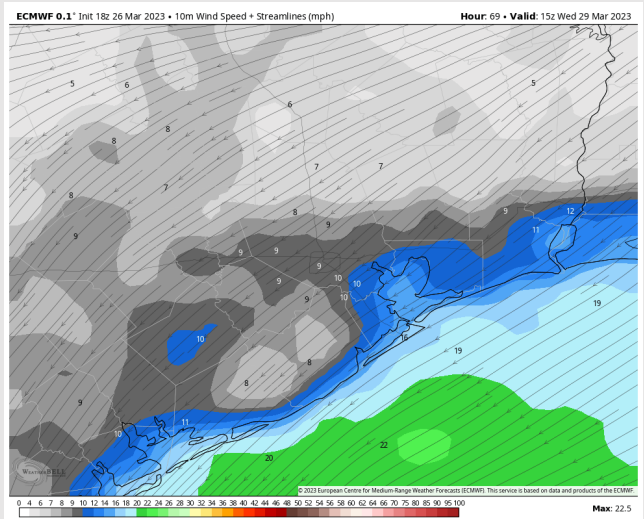
Temps: High temperatures Wednesday in the upper 60s F / low 70s F for all stations.

Visibility: No fog is favored at this time.

Precip Forecast: 9 AM CT

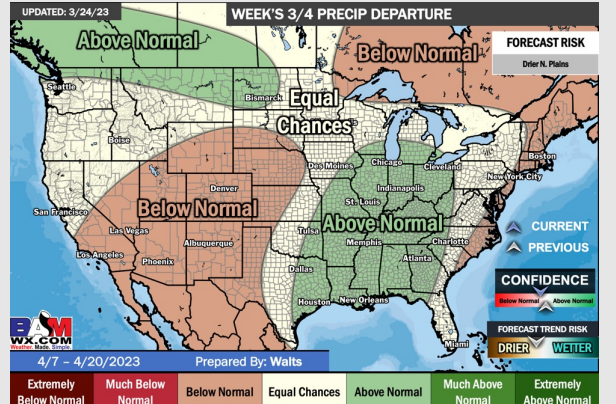
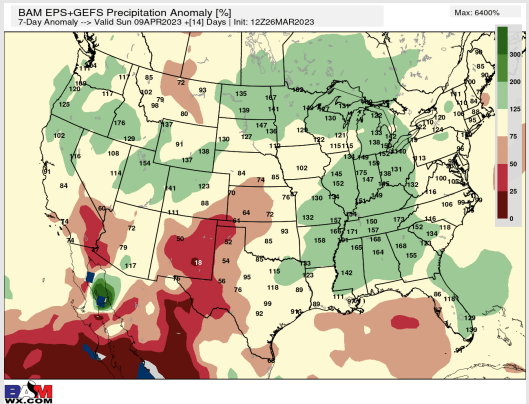
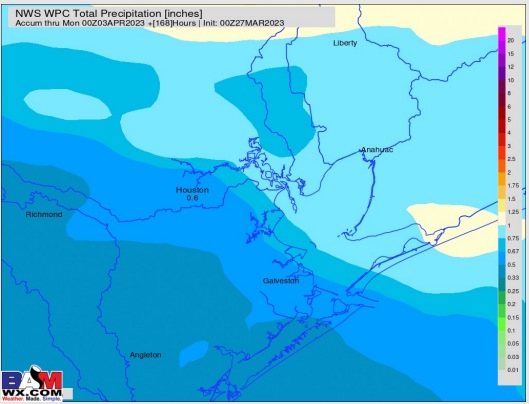
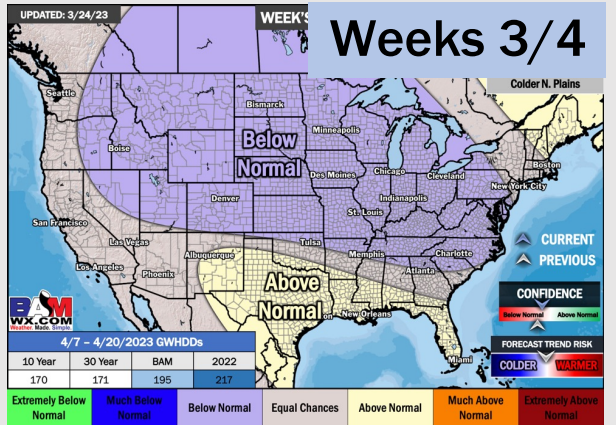
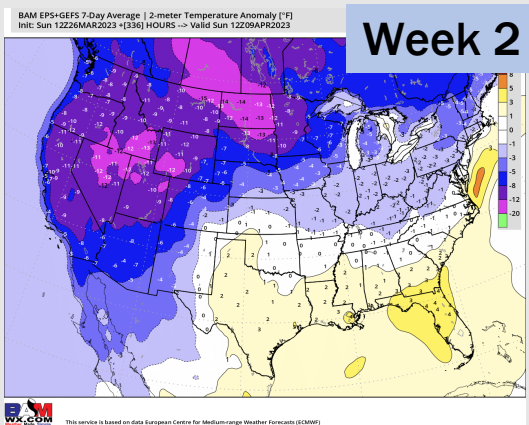
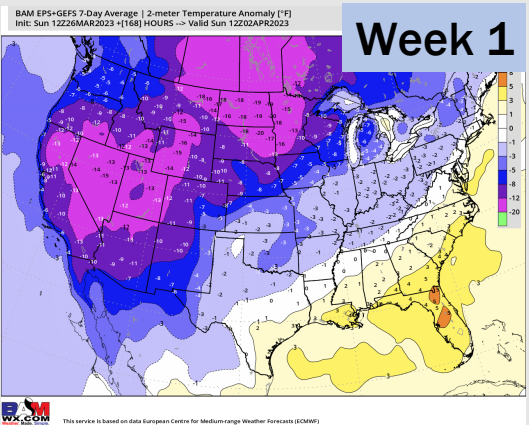


Wind Speed
10 AM CT



High Temps
Wednesday

Houston Pilots: 3/27/23



- Rain chances expected through the first half of the week with very low end chances later in the week. Temperatures are expected to be slightly above normal over the next seven days.
- Expecting near normal precipitation chances and above normal temperatures extending into the week 2 timeframe.
- Anticipating above normal temperatures and above normal chances for precipitation favored in the week 3/4 timeframe.