

Houston Pilots Forecast Package



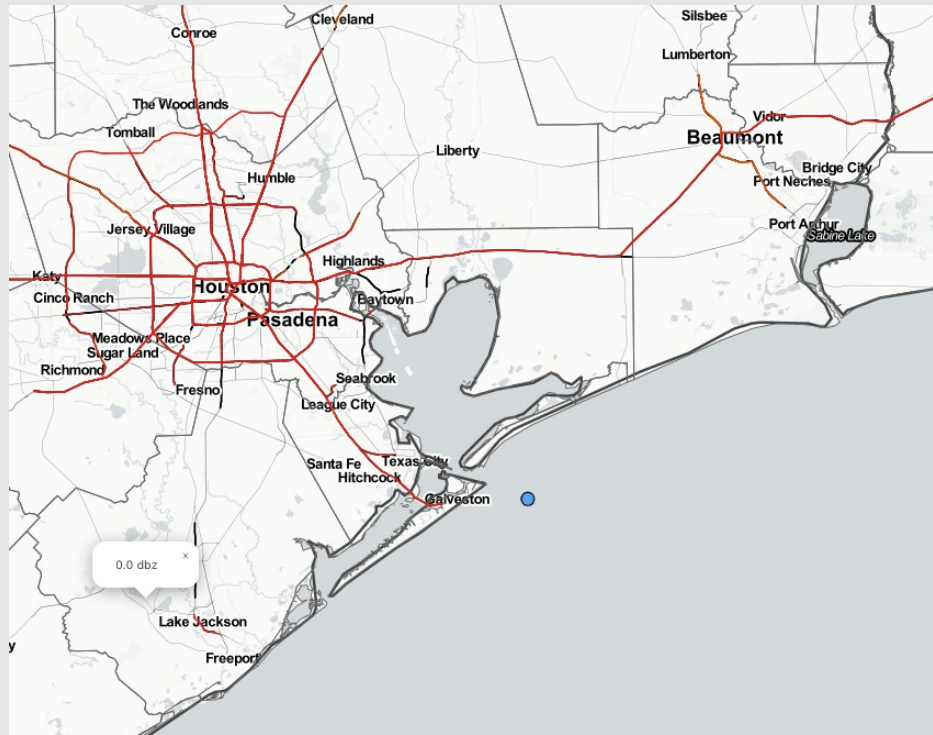
Updated: 2:25 PM CT

Monday, November 28, 2022

Forecaster: Will Danby

Weather Headlines

- Anticipating dry conditions for this afternoon and evening. Next shot of rain comes into the area tomorrow. A low-end risk for a few strong storms will be possible Tuesday. Favoring dry conditions for Wednesday.
- Winds will continue to remain elevated over the next few days with winds *generally* sitting 15-20 knots at the boarding station (more info on slides below). Looking at wind gusts of around 25 kts possible Wednesday.
- **Eyeing potential fog/reduced visibility from rain/low clouds on Tuesday extending into Wednesday morning. More details on the slides below.**
- Eyeing additional fog threats toward the end of the week/weekend.



Radar/NWS Alerts: 2:25 PM CT



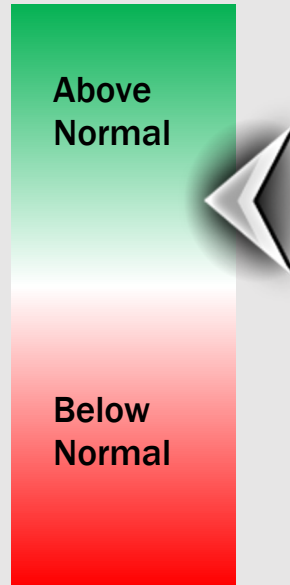
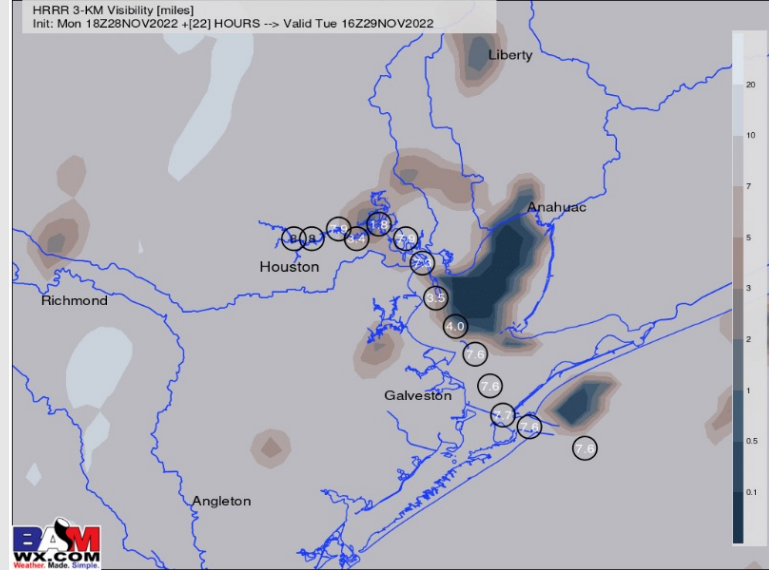
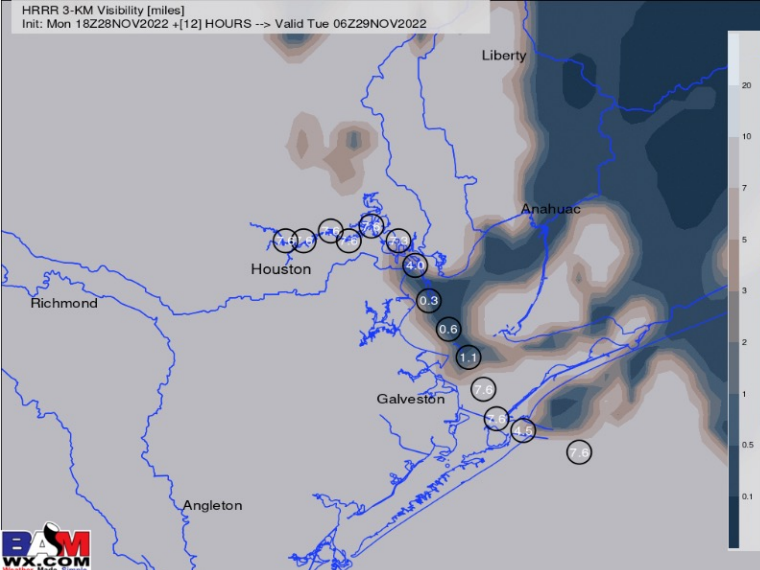
As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.

Houston Pilots Visibility Report



12 AM TUE Visibility 10 AM TUE Visibility

Confidence



Reduced Visibility Threat
 ~11 PM Mon – Noon Tue **Medium**

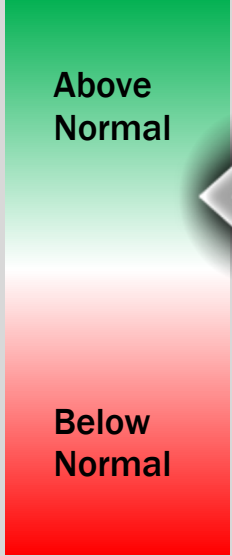
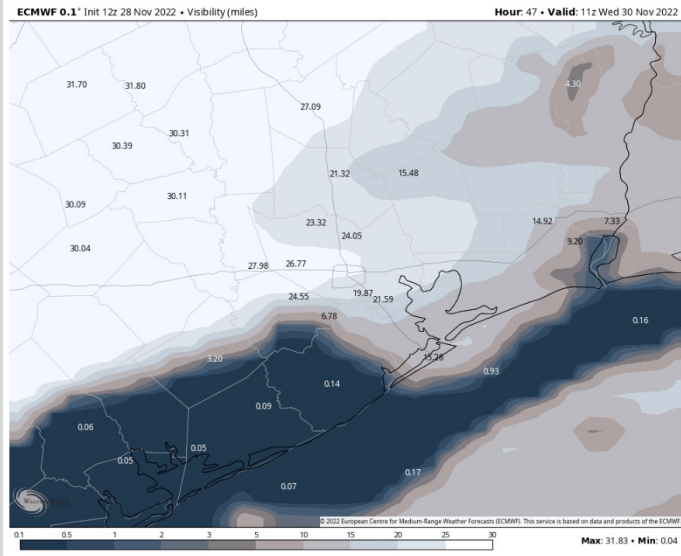
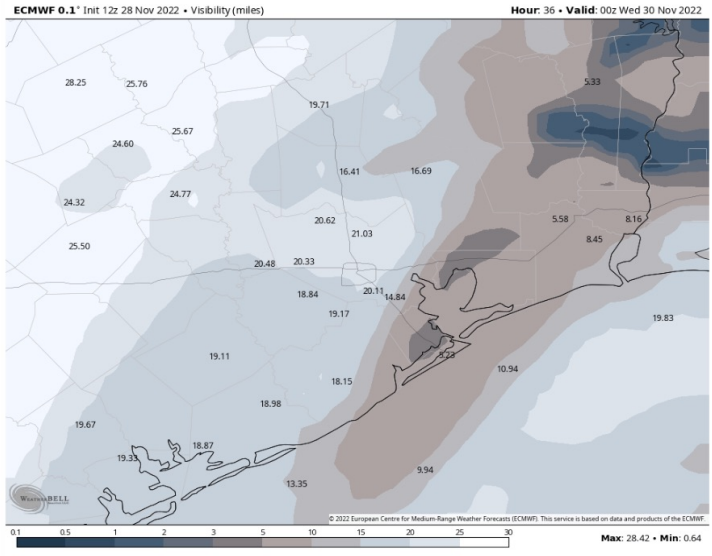
- As winds turn more out of the Southeast this evening, the threat for fog will be in the forecast starting around ~11 PM tonight. Initially, this threat would likely start for areas near the Boarding Station before spreading north, however lower confidence on the exact progression of how fog can spread.
- All stations will be at play for patchy fog through the overnight hours continuing into Tuesday ~mid-morning. Dense fog will certainly be possible with visibilities dropping below 1 mile at times (although there are likely breaks given the patchy nature).
- Where there are breaks, lowered visibility of a few miles (2-5) will still be possible given a continued low cloud deck and hit and miss showers around the area.
- By mid-morning and through the early afternoon hours of Tuesday, any sea fog is likely broken, but will still be possible at just about any point in the day.
- Slide below discusses the risk into Tuesday PM – Wednesday AM.

Houston Pilots Visibility Report



7 PM TUE Visibility 5 AM WED Visibility

Confidence



Reduced Visibility Threat

Noon TUE – 8 AM Wed **Medium**

- Pockets of patchy sea fog will be possible through the mid-afternoon Tuesday, however mid-day Tuesday is likely the best chance for a break in any sea fog. Once again, all stations run the risk of seeing reduced visibility between fog/ low clouds/ pockets of rain.
- Better opportunity for more widespread fog works into the picture near sundown Tuesday and would continue to be possible all the way through Wednesday AM.
- Currently targeting the 4 - 7 AM timeframe Wednesday as a cold front will sweep through the area and turn the winds out of the N and eliminate the fog threat. Greater chances of fog will be towards the Boarding Station.

Houston Pilots Extended Range Visibility Report



Thursday 12/1/22

Anticipating no fog issues with high pressure and dry air filling in the region.



Friday 12/2/22

Scattered showers and storms over the region will help to saturate the air, however wind direction out of the ENE working against favorable fog setup in the AM. Towards the PM hours, winds shift out of the SE for a more conducive patchy fog setup



Saturday 12/3/22

Favorable wind pattern for fog with winds from the SE on Saturday. While the AM hours initially look a little dry, spotty showers will work their way towards the region with relatively calm winds (3 - 7 kts) in the afternoon. Air will become much more saturated at the low levels with the onset of spotty showers.



Chance for Reduced Visibility

| | |
|-------------|----------|
| Thursday AM | Unlikely |
| Thursday PM | Unlikely |
| Friday AM | Unlikely |
| Friday PM | Possible |
| Saturday AM | Possible |
| Saturday PM | Possible |

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 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 | Tue 5pm | Tue 6pm | Tue 7pm | Tue 8pm | Tue 9pm | Tue 10pm | Tue 11pm | Wed 12am |
|-------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| 610 Bridge | 2 | 3 | 4 | 5 | 6 | 6 | 5 | 5 | 6 | 6 | 6 | 6 | 5 | 5 | 7 | 6 | 7 | 7 | 7 | 8 | 9 | 10 | 11 | 11 | 11 | 11 | 11 | 11 | 10 | 8 | 7 | 7 | 6 | 5 | 4 | 4 |
| | 5 | 4 | 5 | 6 | 10 | 13 | 12 | 12 | 13 | 13 | 12 | 12 | 12 | 12 | 15 | 12 | 13 | 13 | 13 | 15 | 16 | 20 | 21 | 21 | 22 | 22 | 22 | 20 | 19 | 17 | 17 | 15 | 13 | 12 | 10 | 9 |
| Kinder 1 | ESE | SE | SE | ESE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SSE | SSE | S | S | S | S | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW |
| | 2 | 3 | 4 | 5 | 6 | 6 | 5 | 5 | 6 | 6 | 5 | 6 | 5 | 5 | 7 | 6 | 7 | 7 | 8 | 9 | 10 | 10 | 11 | 11 | 11 | 11 | 11 | 10 | 8 | 7 | 7 | 6 | 4 | 4 | 4 | |
| Greens Bayou | 6 | 5 | 5 | 7 | 10 | 13 | 11 | 12 | 13 | 13 | 12 | 13 | 12 | 12 | 15 | 12 | 13 | 14 | 13 | 15 | 16 | 19 | 20 | 21 | 22 | 21 | 22 | 20 | 19 | 17 | 16 | 14 | 13 | 12 | 10 | 9 |
| | ESE | SE | SE | ESE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SSE | SSE | S | S | S | S | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW |
| Shell Crude | 2 | 3 | 4 | 5 | 6 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 5 | 5 | 7 | 6 | 7 | 7 | 8 | 9 | 10 | 11 | 11 | 11 | 11 | 11 | 11 | 10 | 8 | 7 | 6 | 5 | 4 | 4 | | |
| | 4 | 5 | 6 | 7 | 11 | 11 | 11 | 13 | 14 | 14 | 14 | 13 | 12 | 12 | 15 | 12 | 13 | 14 | 13 | 14 | 16 | 18 | 19 | 19 | 20 | 21 | 21 | 20 | 18 | 17 | 16 | 14 | 12 | 11 | 10 | 9 |
| Lynchburg Ferries | ESE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SSE | SSE | S | S | S | S | S | S | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW |
| | 2 | 3 | 5 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 8 | 7 | 7 | 7 | 8 | 9 | 10 | 11 | 11 | 11 | 11 | 11 | 11 | 10 | 8 | 7 | 6 | 5 | 4 | 4 | | |
| Exxon 3 | 3 | 5 | 6 | 7 | 12 | 11 | 12 | 13 | 14 | 13 | 14 | 14 | 14 | 12 | 16 | 12 | 13 | 13 | 13 | 15 | 17 | 18 | 18 | 20 | 21 | 20 | 18 | 16 | 15 | 14 | 12 | 11 | 10 | 9 | | |
| | ESE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SSE | SSE | SSE | S | S | S | S | S | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW |
| Morgans Point | 3 | 3 | 3 | 3 | 4 | 5 | 6 | 7 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 10 | 8 | 9 | 8 | 8 | 9 | 10 | 10 | 11 | 12 | 12 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 5 | |
| | 4 | 5 | 6 | 8 | 11 | 10 | 12 | 13 | 15 | 15 | 15 | 14 | 13 | 14 | 17 | 14 | 14 | 14 | 14 | 15 | 16 | 17 | 19 | 19 | 19 | 19 | 20 | 18 | 17 | 16 | 15 | 13 | 13 | 12 | 11 | 10 |
| 75/76 | E | ESE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SSE | SSE | SSE | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | |
| | 3 | 2 | 2 | 2 | 5 | 5 | 8 | 9 | 10 | 10 | 9 | 8 | 8 | 8 | 11 | 10 | 10 | 10 | 10 | 10 | 10 | 11 | 12 | 13 | 13 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 6 | | |
| 63/64 | 5 | 6 | 7 | 9 | 10 | 9 | 13 | 15 | 17 | 16 | 14 | 13 | 14 | 16 | 16 | 15 | 15 | 15 | 15 | 14 | 15 | 15 | 16 | 17 | 18 | 19 | 20 | 19 | 18 | 16 | 15 | 14 | 13 | 12 | 11 | 10 |
| | ESE | ESE | SSE | SE | SE | ESE | ESE | SE | SE | SE | SE | SE | SE | SE | SSE | SSE | SSE | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | |
| 51/52 | 1 | 1 | 1 | 2 | 4 | 6 | 8 | 9 | 11 | 10 | 9 | 9 | 8 | 10 | 10 | 11 | 11 | 11 | 11 | 11 | 11 | 12 | 13 | 13 | 13 | 13 | 12 | 11 | 10 | 10 | 9 | 8 | 7 | 6 | | |
| | SSE | S | S | ESE | ESE | ESE | ESE | SE | SE | SE | SE | SE | SE | SE | SSE | SSE | SSE | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | |
| 37/38 | 1 | 2 | 2 | 4 | 5 | 6 | 7 | 9 | 10 | 9 | 8 | 8 | 8 | 9 | 9 | 11 | 12 | 11 | 11 | 12 | 12 | 13 | 13 | 13 | 14 | 13 | 13 | 13 | 11 | 11 | 10 | 10 | 9 | 8 | 7 | |
| | 6 | 7 | 7 | 9 | 9 | 9 | 10 | 15 | 16 | 14 | 12 | 13 | 14 | 15 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 18 | 19 | 19 | 20 | 20 | 20 | 18 | 17 | 17 | 16 | 15 | 14 | 12 | 11 | |
| 25/26 | SE | SE | SE | ESE | ESE | ESE | ESE | SE | SE | SE | SE | SE | SE | SE | SSE | SSE | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | |
| | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 9 | 10 | 9 | 8 | 7 | 8 | 9 | 9 | 11 | 11 | 11 | 11 | 11 | 12 | 12 | 13 | 13 | 14 | 13 | 13 | 12 | 11 | 11 | 10 | 10 | 9 | 8 | 7 | |
| 11/12 | 6 | 7 | 7 | 9 | 10 | 9 | 11 | 15 | 16 | 14 | 12 | 13 | 14 | 15 | 16 | 16 | 16 | 16 | 16 | 16 | 17 | 17 | 18 | 19 | 19 | 20 | 19 | 18 | 18 | 17 | 16 | 15 | 14 | 13 | 11 | |
| | E | E | ESE | ESE | ESE | ESE | ESE | SE | SE | SE | SE | SE | SE | SE | SSE | SSE | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | |
| 1 & 2 Bravo | 5 | 6 | 5 | 5 | 5 | 6 | 7 | 11 | 11 | 9 | 7 | 8 | 9 | 9 | 10 | 12 | 12 | 11 | 11 | 12 | 12 | 13 | 13 | 13 | 14 | 13 | 13 | 12 | 12 | 11 | 11 | 10 | 9 | 9 | 8 | |
| | 7 | 7 | 8 | 9 | 10 | 10 | 13 | 16 | 17 | 15 | 11 | 14 | 15 | 15 | 18 | 16 | 16 | 16 | 16 | 16 | 17 | 17 | 18 | 18 | 19 | 19 | 19 | 18 | 18 | 17 | 16 | 15 | 14 | 12 | 11 | |
| | ESE | ESE | ESE | ESE | ESE | ESE | ESE | SE | SE | SE | SE | SE | SE | SE | SSE | SSE | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | |
| | 6 | 8 | 7 | 6 | 5 | 6 | 10 | 12 | 11 | 9 | 8 | 9 | 9 | 10 | 10 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 14 | 14 | 14 | 14 | 14 | 13 | 13 | 12 | 12 | 11 | 10 | 10 | | |
| | 7 | 9 | 9 | 9 | 10 | 11 | 14 | 17 | 16 | 14 | 13 | 14 | 14 | 18 | 18 | 17 | 17 | 17 | 17 | 17 | 18 | 18 | 18 | 18 | 19 | 19 | 19 | 18 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | |
| | ESE | ESE | ESE | ESE | ESE | ESE | ESE | SE | SE | SE | SE | SE | SE | SSE | SSE | SSE | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | |

See slides below for official thoughts on winds.

Houston Pilots: Mon. 11/28/2022

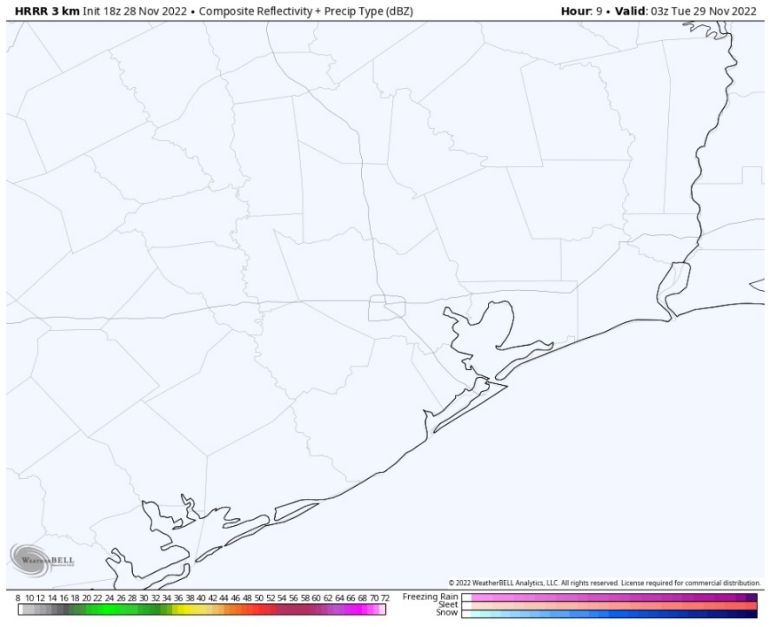


Forecast Discussion

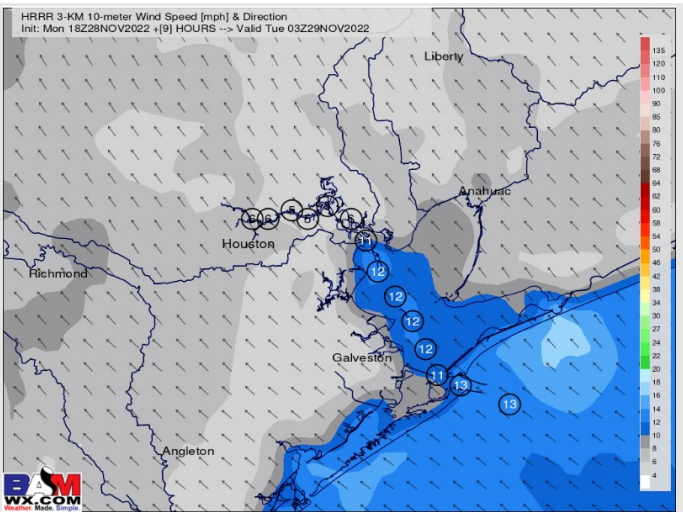
- Precip:** Anticipating dry conditions today.
- Wind:** Sustained winds of the SE for this afternoon and overnight. Winds N of Morgan's Point will be at 4 – 7 kts, while S of Morgan's Point will be at the same range, then pickup to 10 – 15 kts by 9 PM and remain as such for the overnight.
- Temps:** Low temps Tuesday morning will be in the low 60s F N of Morgan's Point, and in the mid to upper 60s S of Morgan's Point.

Visibility: Check slides above for more details

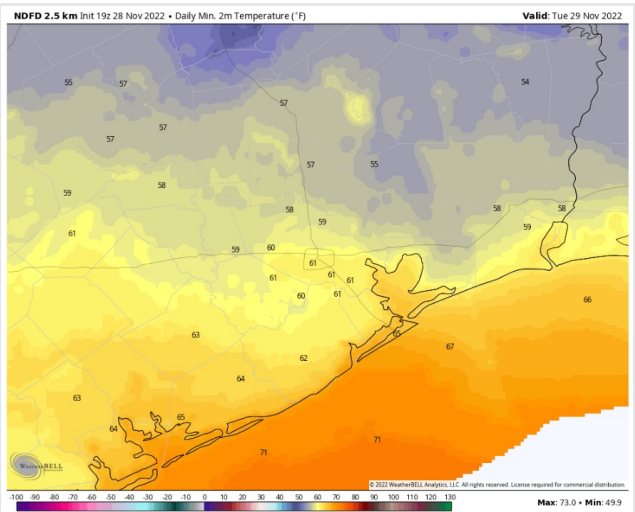
Precip Forecast: 9 PM CT



Wind Speed
9 PM CT



Low Temps
Tue AM



Houston Pilots: Tue. 11/29/2022



Forecast Discussion

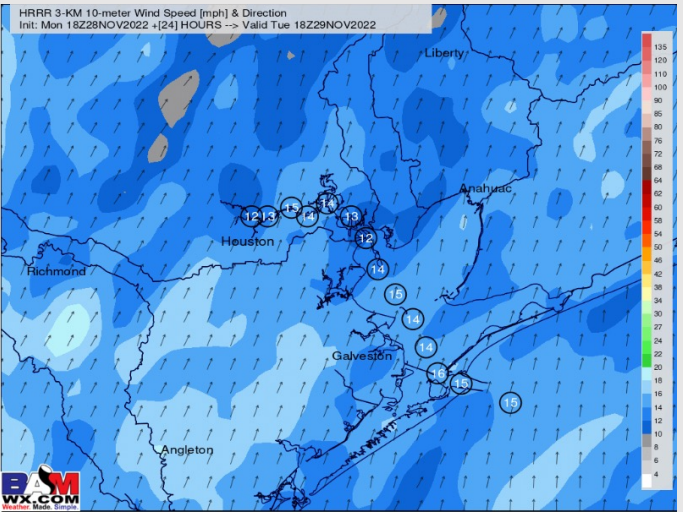
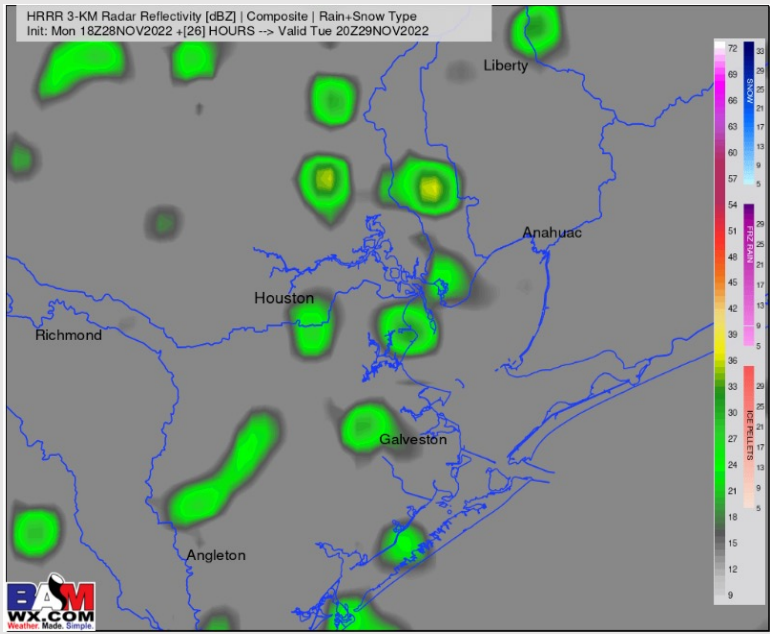
Precip: Favoring dry conditions until 3-5 AM when *scattered* showers and storms begin to work into the region (40% chance of rain). Chances will continue through 4 PM, where shower/storm chances decrease to 20% until 9 PM. Favoring dry conditions after 10 PM. Tuesday is not a complete washout.

Wind: Winds will be out of the S/SSW most of the day. Winds N of Morgan's Point will be 9 - 14 kts and S of Morgan's Point will be 11 - 16 kts. Around 11 AM winds will pick up and be 14 - 20 kts across all stations. Around 8 PM winds will begin to calm to 6 - 10 kts N of Morgan's Point and 10 - 14 kts S of Morgan's Point.

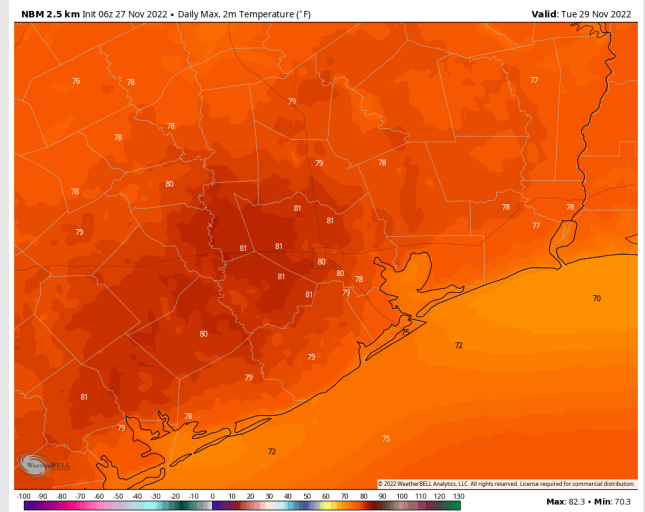
Temps: High temps will be near 80 F N of Morgan's Point and low/mid 70s F S of Morgan's Point.

Visibility: Patchy to dense fog will be likely with a low cloud deck for both Tuesday AM and PM. See slides above.

Precip Forecast: 2 PM CT



Wind Speed
12 PM CT



High Temps
Tuesday

Forecast Discussion

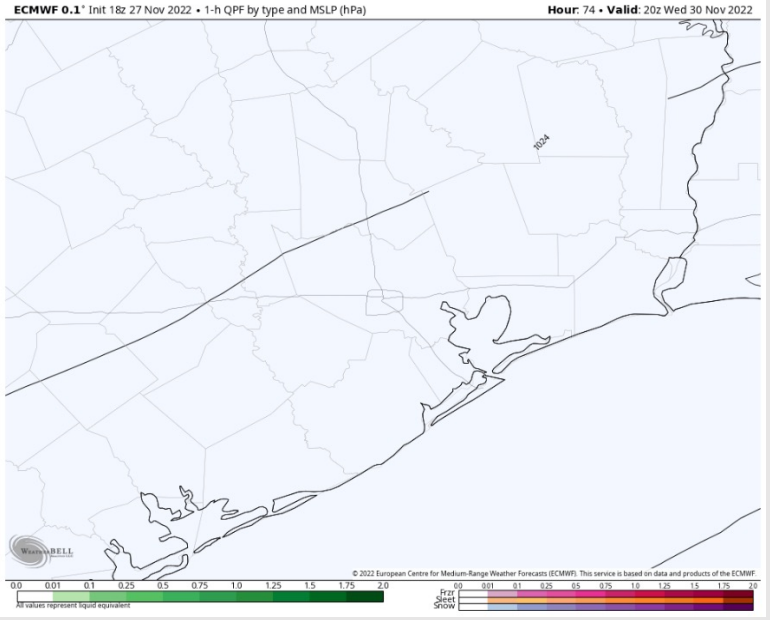
Precip: A slight chance (~20%) for leftover showers at the boarding station through daybreak exists. The rest of Wednesday looks dry.

Wind: SW winds in the early AM will shift from the N/NNE by 10 AM and remain as such for the rest of the day. By 10 AM winds N of Morgan's Point will be at 10 – 16 kts and S of Morgan's Point will be elevated at 16 – 21 kts. Winds at the Boarding station will be near sustained at 20 – 22 kts. Wind gust of up to 25 kts will be possible across all stations, mainly from 10 AM – 3 PM.

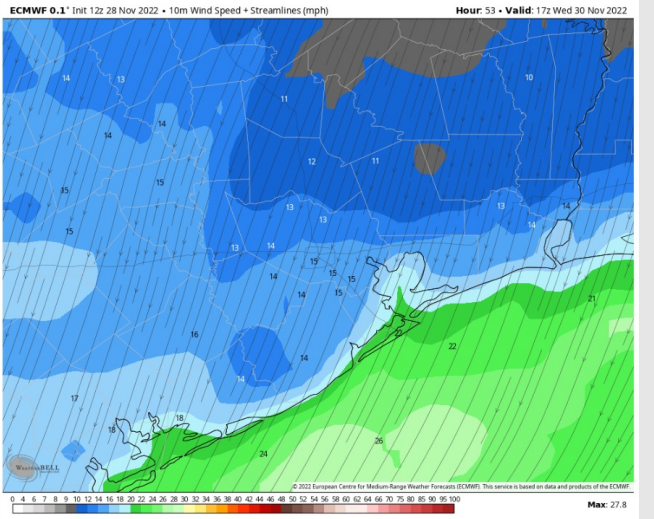
Temps: High temps Wednesday will be in the mid 60s F across all stations, Boarding station will be in the upper 60s F.

Visibility: Patchy fog will continue to be possible, however the cold front likely ushers any fog out of the area around daybreak. Wednesday daytime hours will not have fog potential.

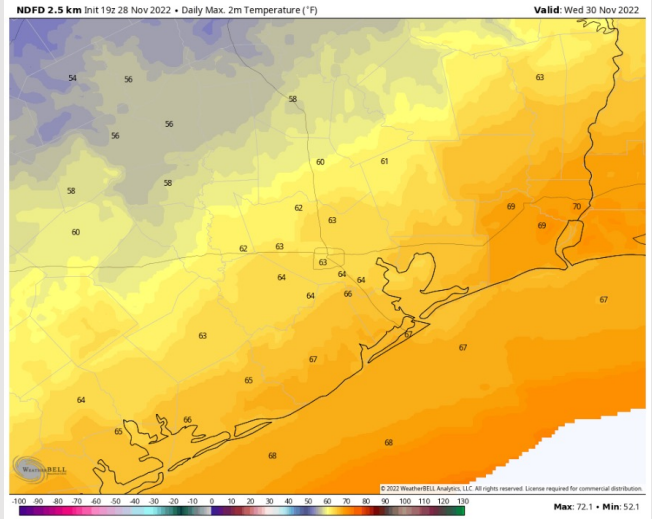
Precip Forecast: 2 PM CT



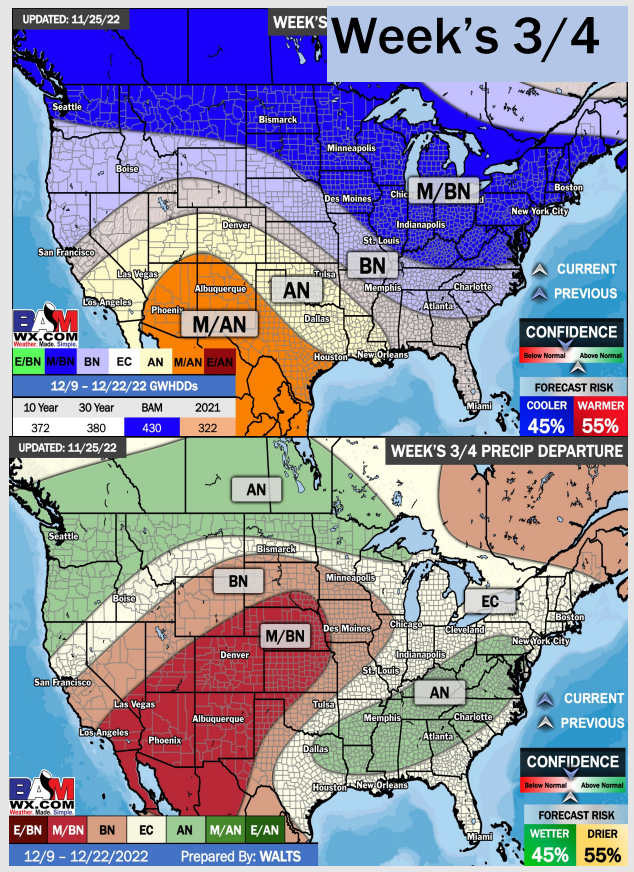
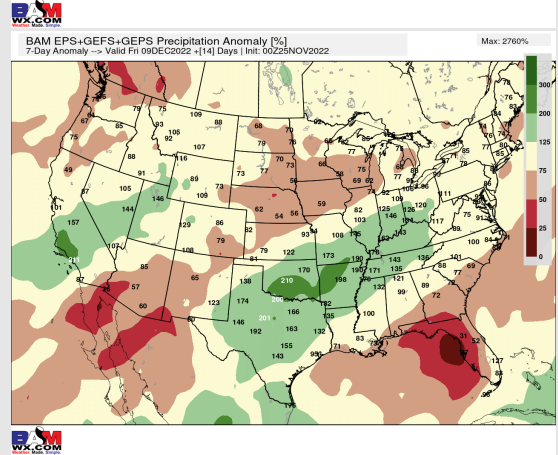
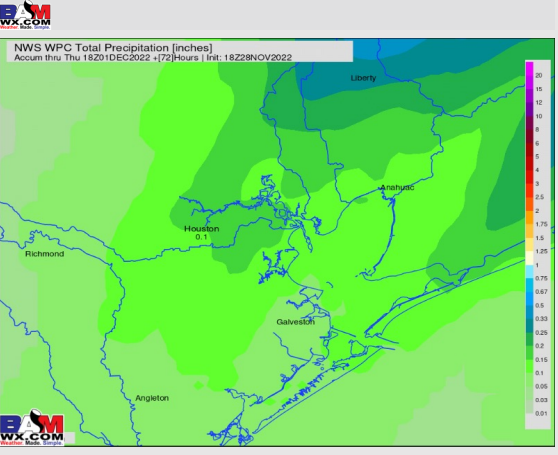
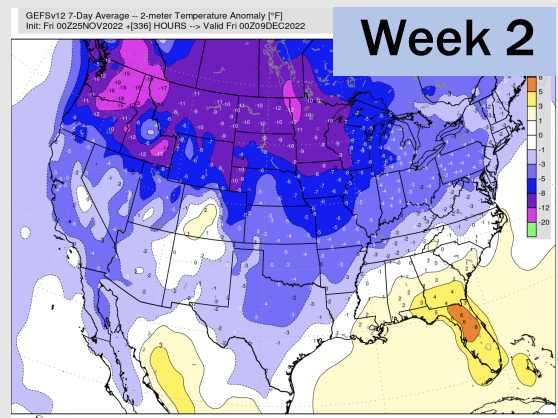
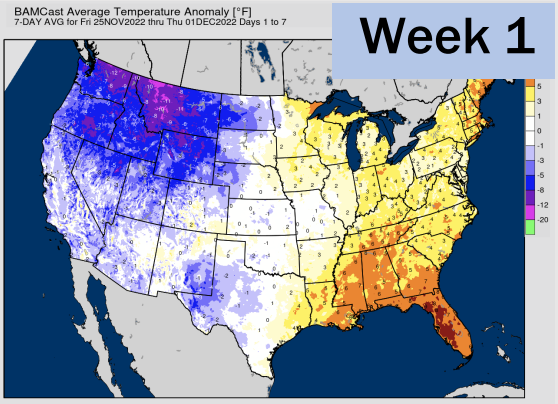
Wind Speed
11 AM CT



High Temps
Wednesday



Houston Pilots: 11/28/22



- Next rain chances on Tuesday – Wednesday AM of this coming week. Week 1 temperatures to be slightly above normal.
- Week 2 is expected to be near normal for temperatures and near normal for rain chances into early December.
- The weeks ¾ timeframe looks to feature above normal temperatures and below normal risks for precipitation.