

# Houston Pilots Forecast Package



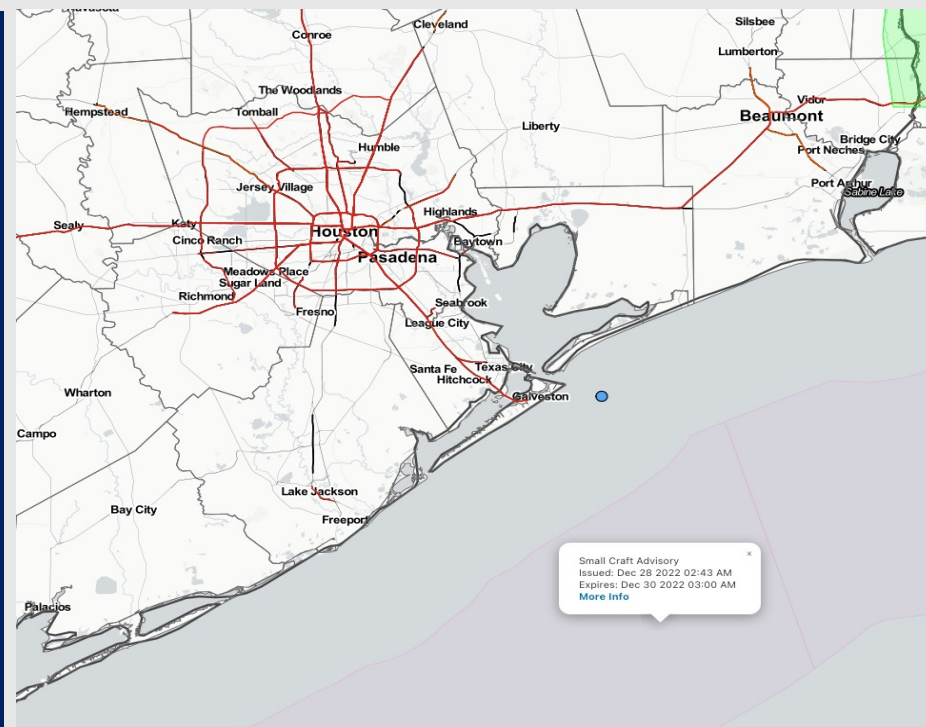
Updated: 2:00 PM CT

Wednesday, December 28, 2022

Forecaster: Vince Bryan

## Weather Headlines

- Moisture chances work back into the picture later tonight and through Friday. Weekend rain chances look minimal before the next round of precip coming early next week.
- **Reduced visibility concerns work back into the picture late tonight as winds turn out of the S/SE for the next several days. Whether reduced visibility comes in the way of fog/ precipitation/ very low clouds....etc. still needs refined, but the threat for poor visibility will be on the table periodically from tonight out through the weekend (more on the slides below).**
- Eyeing elevated winds Thursday/ Friday, and again next Monday.
- Wave heights at the boarding station could approach 4-6 feet between daybreak Thu and daybreak Fri.



## Radar/NWS Alerts: 2:00 PM CT



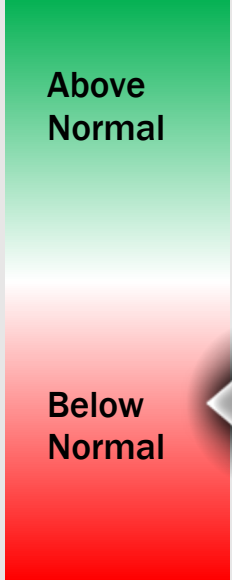
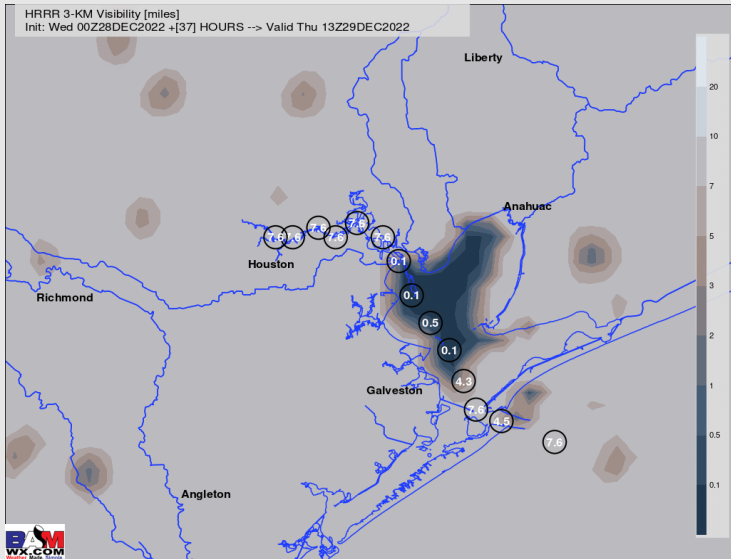
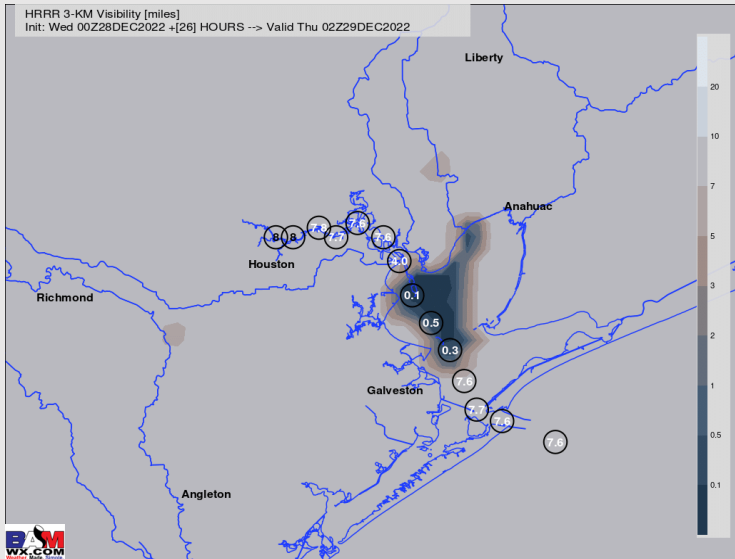
As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.

# Houston Pilots Visibility Report



## 8 PM CT WED VISIBILITY      7 AM CT THU VISIBILITY

## Confidence



| TIME                | THREAT       |
|---------------------|--------------|
| 7 PM WED – 7 AM THU | LOW - MEDIUM |

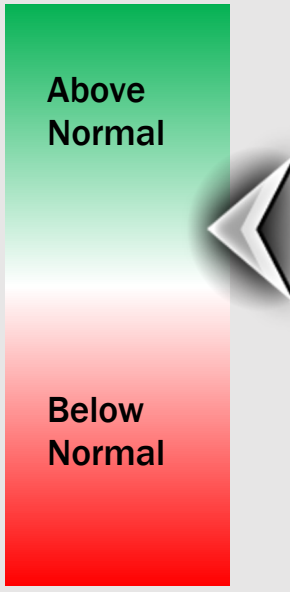
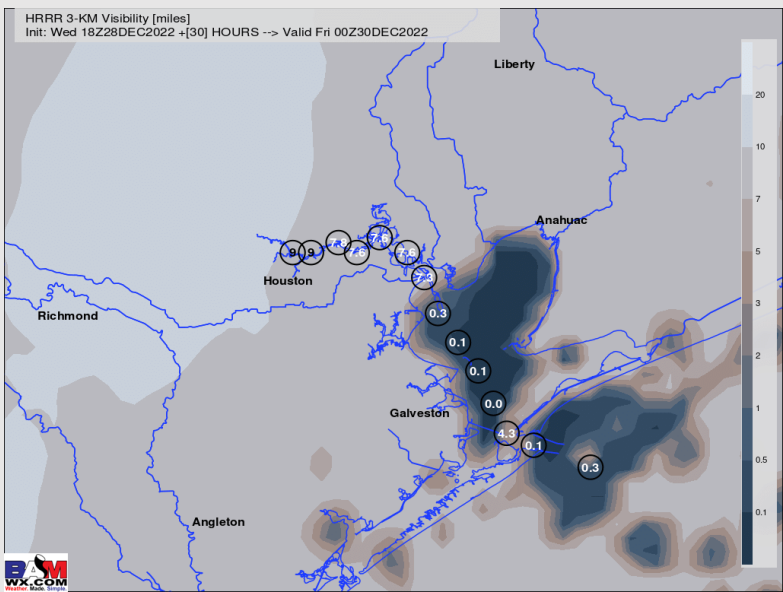
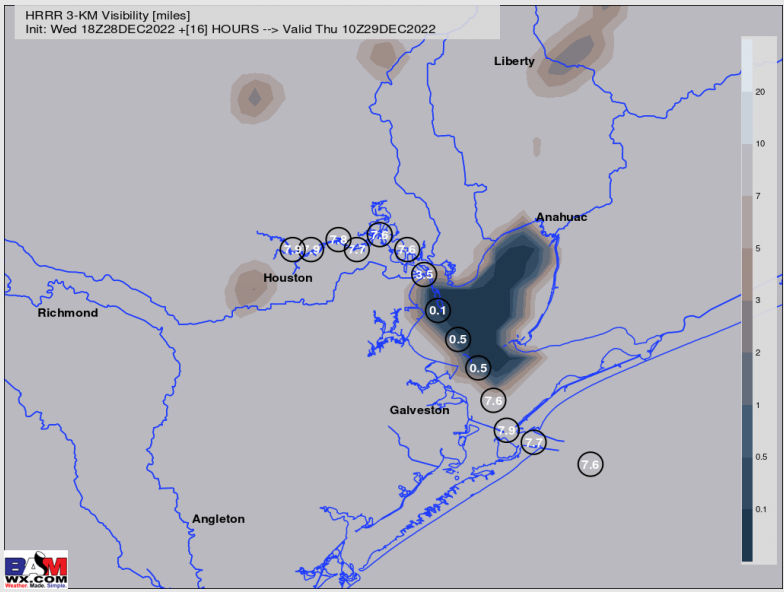
- The next 12-18 hours in terms of sea fog potential still has higher uncertainty vs average as the setup is not “ideal” for formation, however there is enough support for there to be a patchy fog risk beginning this evening and the potential continuing into the AM hours of Thursday.
- Biggest risk for development will come South of Morgan’s Point, and any fog that does develop can likely stick around the area into the mid-AM hours of Thursday. To be clear, it is unlikely that fog lingers in any one given spot for the entire time window with no breaks/let ups. Forecasted % of development is around 60% as again, there is some uncertainty on the progression of things.
- Within the 12 hour timeframe, the highest risk period comes between 2-7 AM THU. Any reduced visibility via precip/fog/ low clouds could be on the order of <1-2 miles in a \*patchy\* nature.

# Houston Pilots Visibility Report



## 8 AM CT THU VISIBILITY      6 PM CT THU VISIBILITY

## Confidence



| TIME                | THREAT |
|---------------------|--------|
| 8 AM THU – 8 PM THU | MEDIUM |

- Any reduced visibility around the area can likely continue into the mid-morning hours of tomorrow (~10-11AM). Beyond this, there is likely a relax of any fog potential, however there can still be pockets of lowered visibilities thanks to lower clouds and pockets of drizzle/light rain showers.
- Working past the mid-afternoon hours (~5-6 PM), fog potential will be on the rise again. There is slightly better confidence in evening fog Thursday night vs any potential prior to that.
- This threat exists for all stations, however the main threats look to sit along and south of Morgan’s Point.

# Houston Pilots Extended Range Visibility Report



## Saturday 12/31/22

Fog risk on Saturday will be unlikely as winds favor a NW direction.



## Sunday 1/1/23

Fog risk will be possible into Sunday, as winds will be from the S in a favorable 10 – 15-kt range.



## Monday 1/2/23

Monday's winds will need to be watched carefully as there are very near being too strong for fog. Otherwise, this would be a good fog setup.



## Chance for Reduced Visibility

|             |          |
|-------------|----------|
| Saturday AM | Unlikely |
| Saturday PM | Unlikely |
| Sunday AM   | Possible |
| Sunday PM   | Possible |
| Monday AM   | Possible |
| Monday PM   | Possible |

# Houston Pilots Visibility Report



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

Please check visibility slides above for official thinking on fog as this chart may not be 100% perfect.





## Forecast Discussion

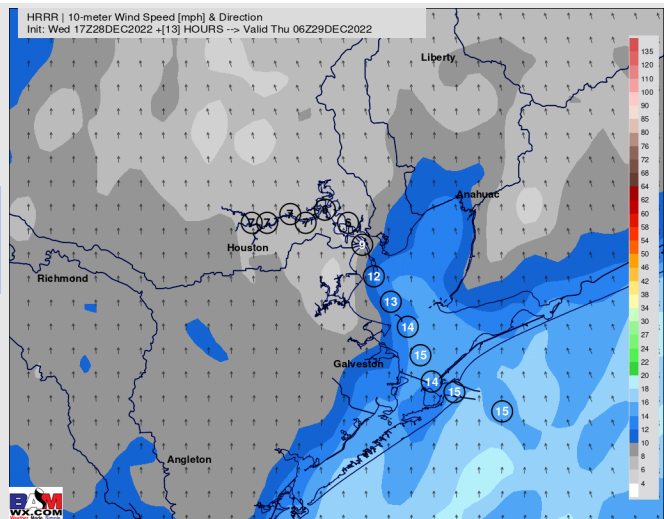
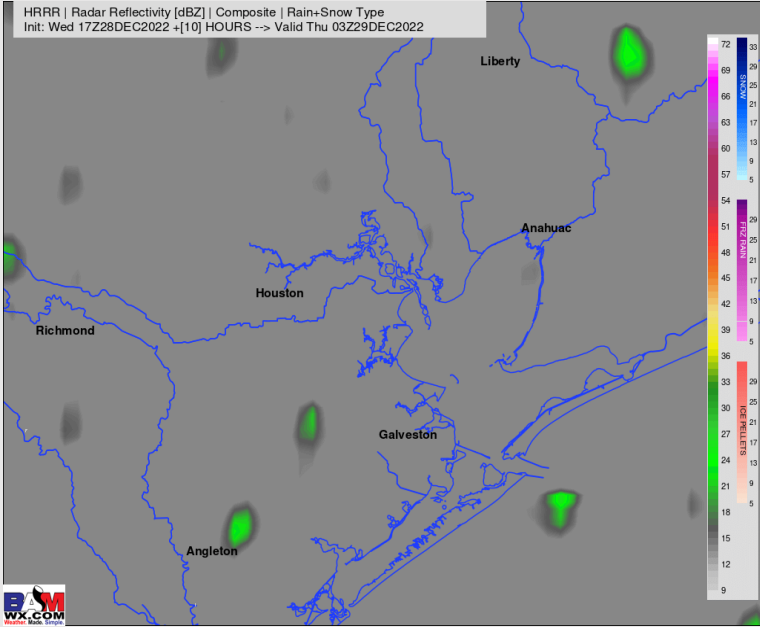
**Precip:** After the ~7 PM timeframe where a few isolated showers can start to work into the boarding station area. These will continue in a very hit and miss fashion through the overnight and into the morning hours of Thursday.

**Wind:** Winds will consistently be out of the SE with sustained winds 10-15 knots with gusts at times to 15-20 knots.

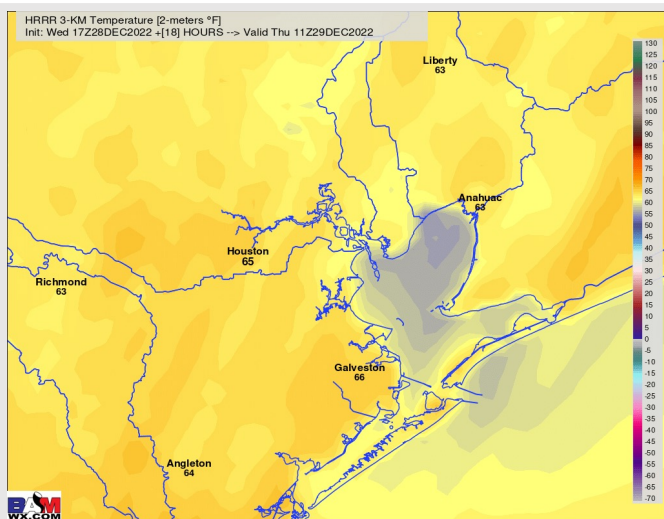
**Temps:** Lows fall back into the low to mid 60s.

**Visibility:** Check visibility slides above for more details on fog potential this evening.

## Precip Forecast: 9 PM CT



**Wind Speed  
11 AM CT**



**Low Temps  
Tonight**

# Houston Pilots: Thur. 12/29/2022



## Forecast Discussion

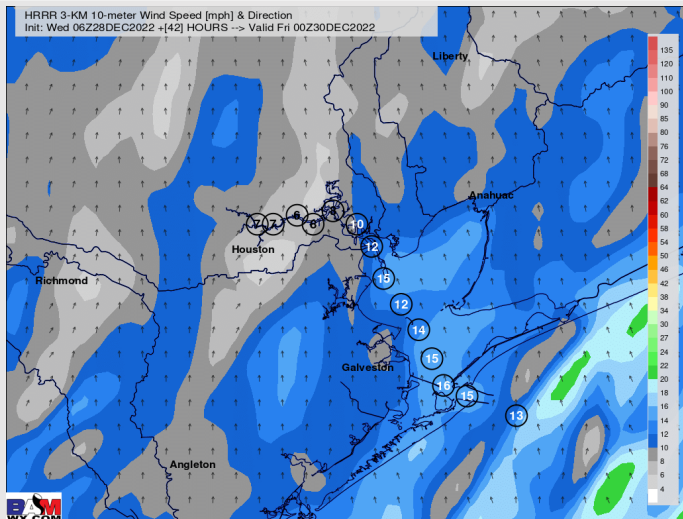
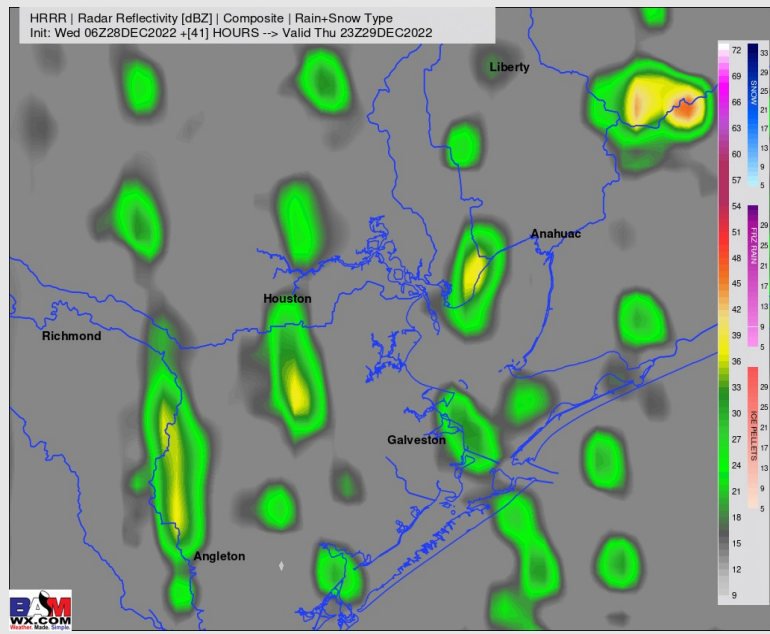
**Precip:** Anticipating pockets of light to moderate rain showers around the area through 4 PM (there will be breaks in the rain over the day). After ~mid afternoon, coverage looks to increase some and chances pick up closer to 70% for the evening. The evening hours will also be when the threat of a few locally stronger thunderstorms are possible (better risk sits North of the stations).

**Wind:** Sustained winds from the SSE for the entire day. Winds will be around 8-13kts across all station with a couple of pockets reaching 15 kts, especially south of Morgan's Point between 8 PM – 12 AM.

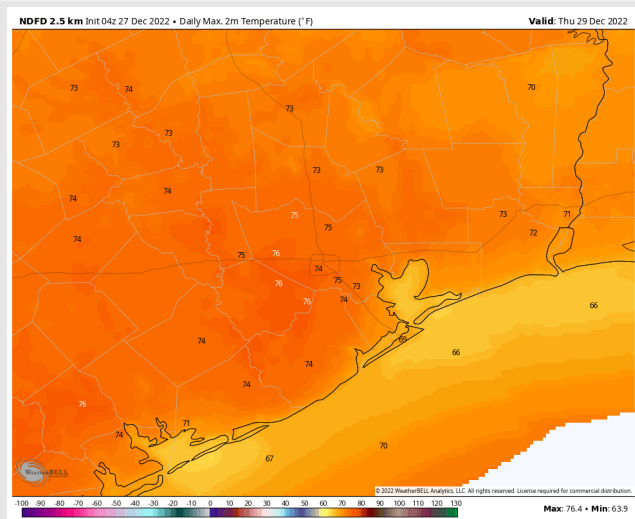
**Temps:** High temps Thursday will be in the Mid 70s F north of Morgan's Point and in the mid 60s to near 70 F south of Morgan's Point.

**Visibility:** Check the slides above for more on reduced visibility potential Thursday.

## Precip Forecast: 5 PM CT



Wind Speed  
5 PM CT



High Temps  
Thursday



# Houston Pilots: Fri. 12/30/2022



## Forecast Discussion

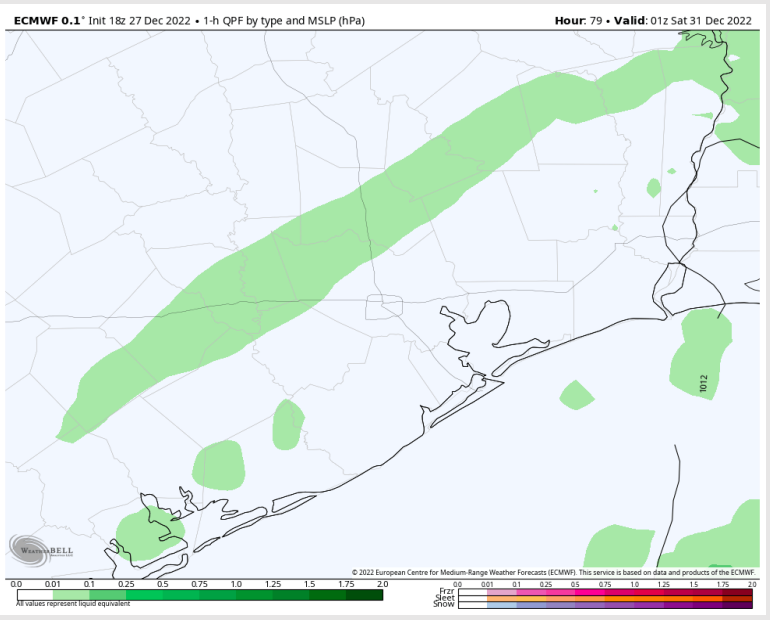
**Precip:** Exiting rain showers in the morning will look to clear out by 6 AM, but pockets of drizzle will be possible (10% chance) for the remainder of the day.

**Wind:** Southerly winds in the AM will shift from the North by 11 AM and then veer more from the NE by 5 PM and remain as such for the evening. Winds will generally be in the 5 – 10-kt range for the majority of the day, with pockets of elevated winds at 10 – 14 kts from 1 – 5 AM. Wind gusts can be up to 20 kts from 12 – 4 AM.

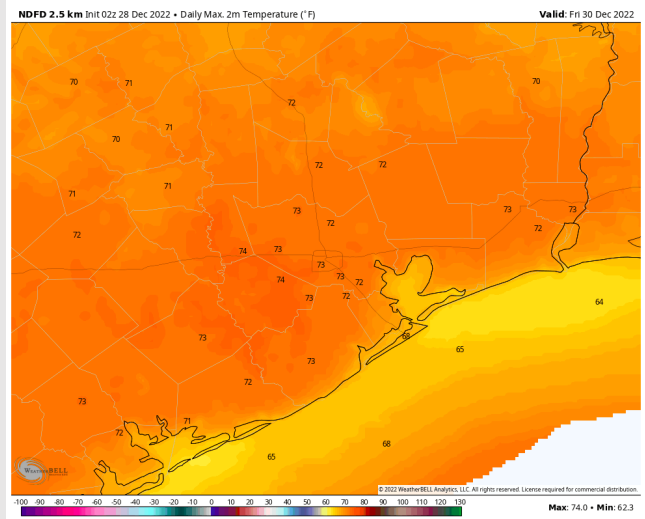
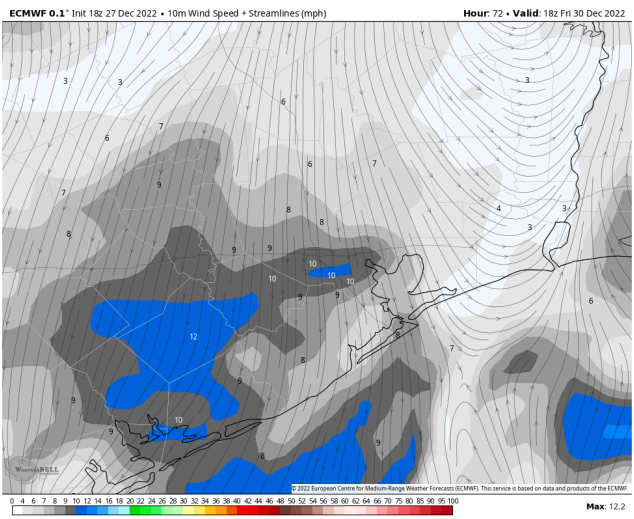
**Temps:** High temps Friday will be in the lower 70s F north of Morgan’s Point and in the mid to upper 60s F south of Morgan’s Point.

**Visibility:** Fog concerns will be a possibility here (eyeing the 3 AM -12 PM window) as winds will be from the S in the AM with plenty of low-level moisture. By the afternoon, the winds shifting from the north should clear any fog concerns.

## Precip Forecast: 7 PM CT

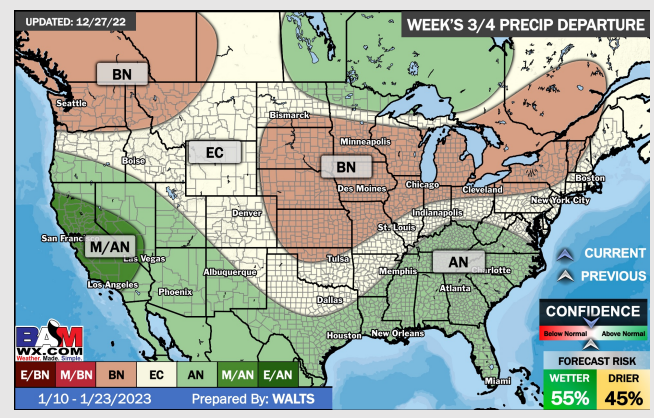
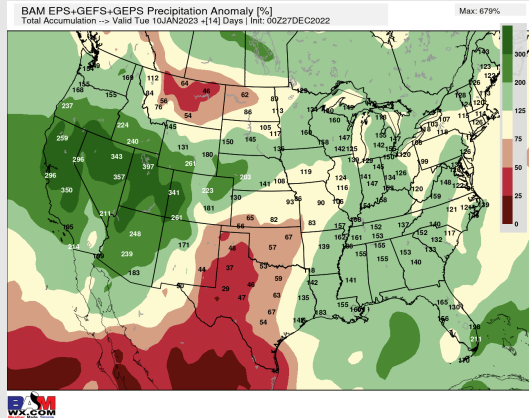
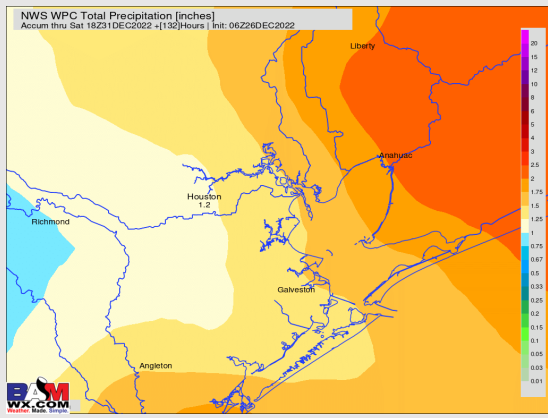
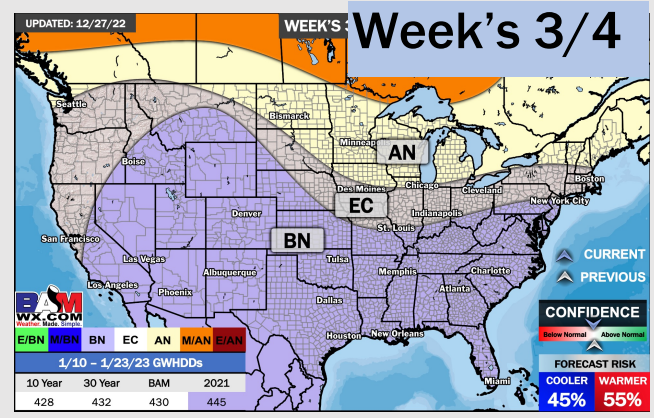
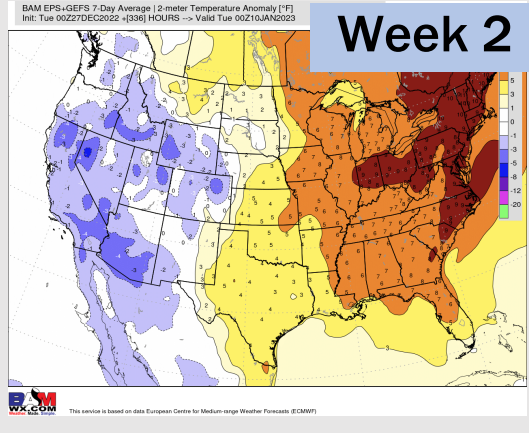
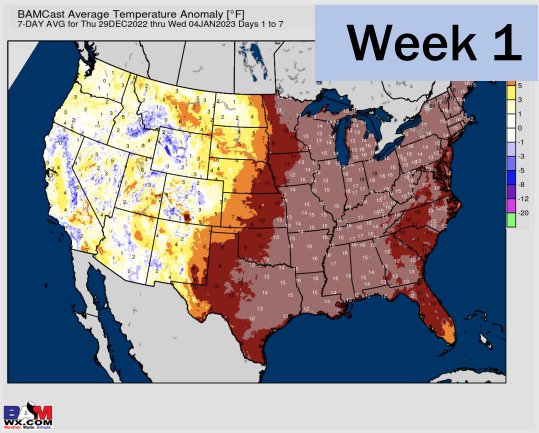


Wind Speed  
12 PM CT



High Temps  
Friday

# Houston Pilots: 12/28/22



- After chances rain are in the forecast Thursday/ Friday, an overall quieter weekend is expected before rainfall picks back up early next week. Above average temps are favored moving forward.
- Week 2 precipitation is expected to be above normal for the week 2 timeframe. Temperatures are to be much above normal.
- Above normal moisture and cooler weather is expected in the weeks 3/4 timeframe.