

# Houston Pilots Forecast Package



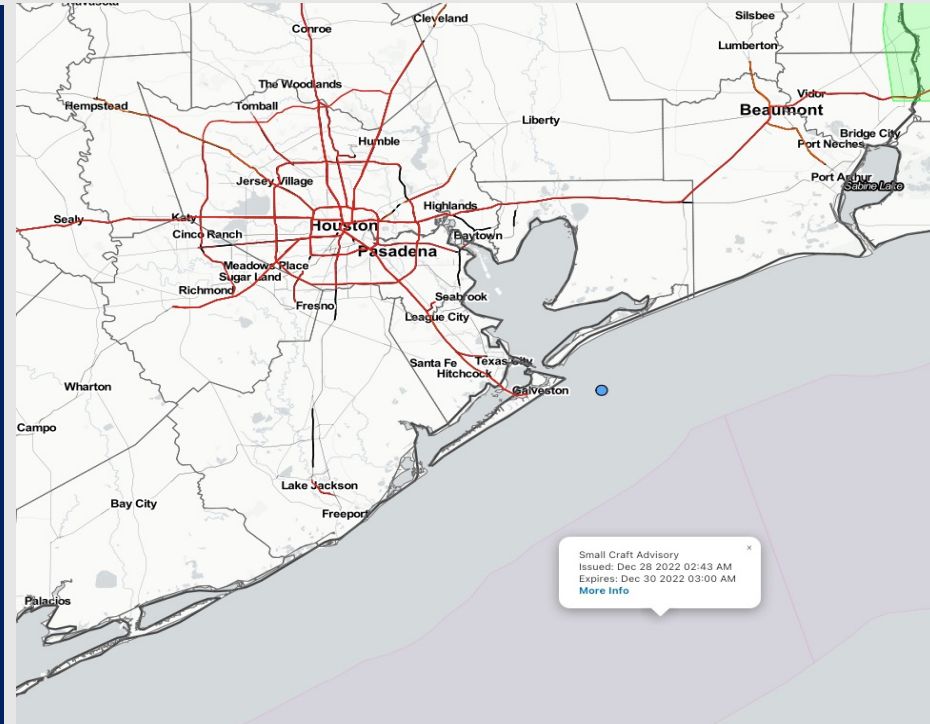
Updated: 5:00 AM CT

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: 5:00 AM CT



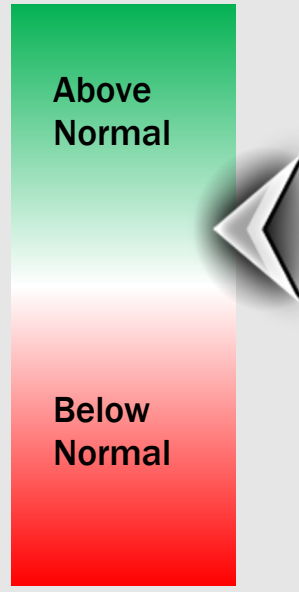
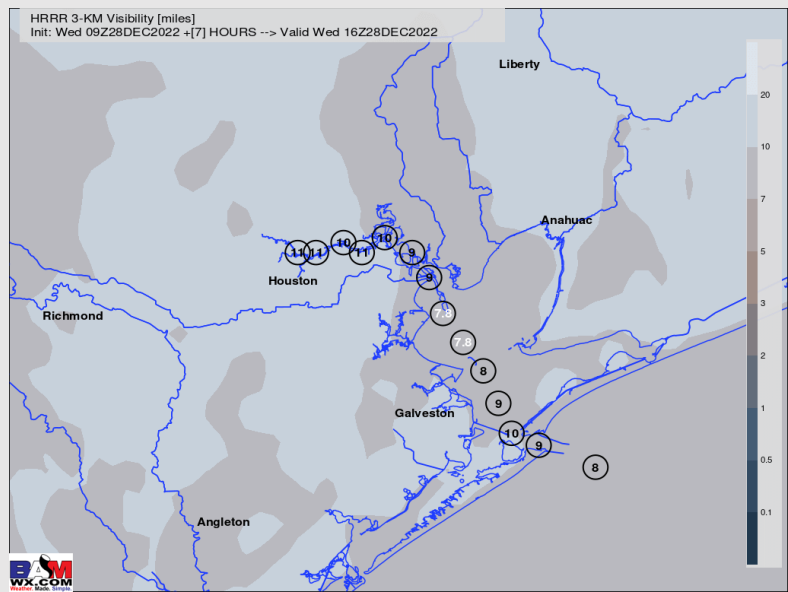
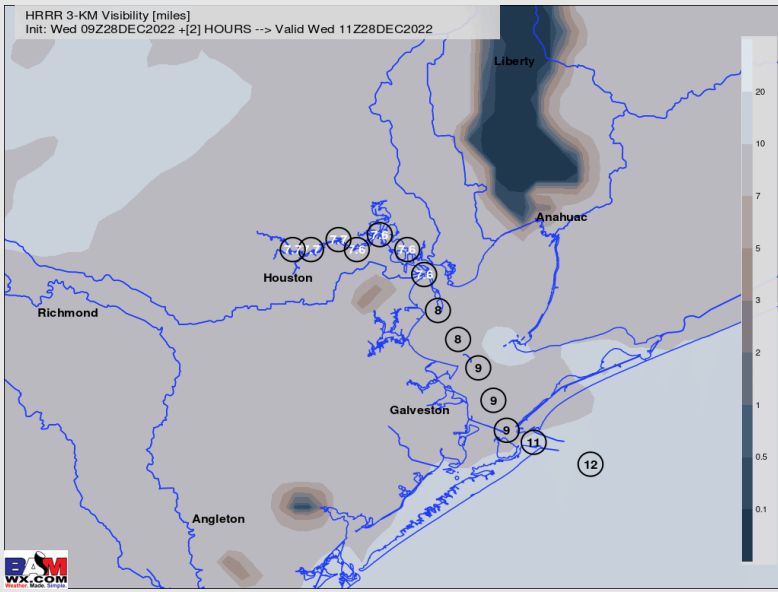
As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.

# Houston Pilots Visibility Report



## 8 AM CT WED VISIBILITY      10 AM CT WED VISIBILITY

## Confidence



TIME	THREAT
Current – 9 AM WED	LOW

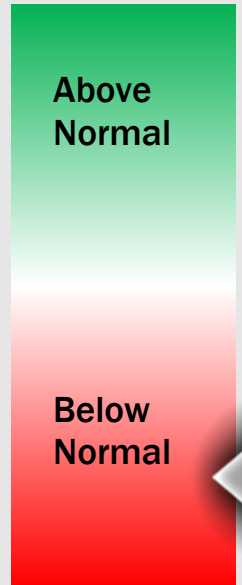
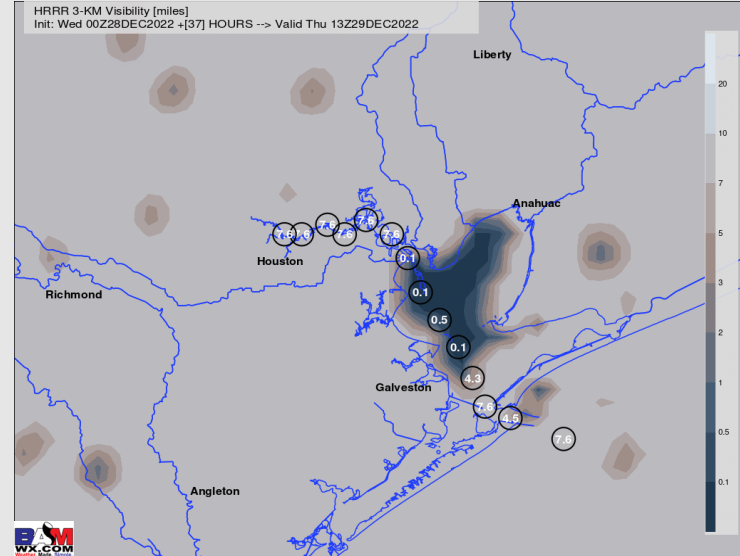
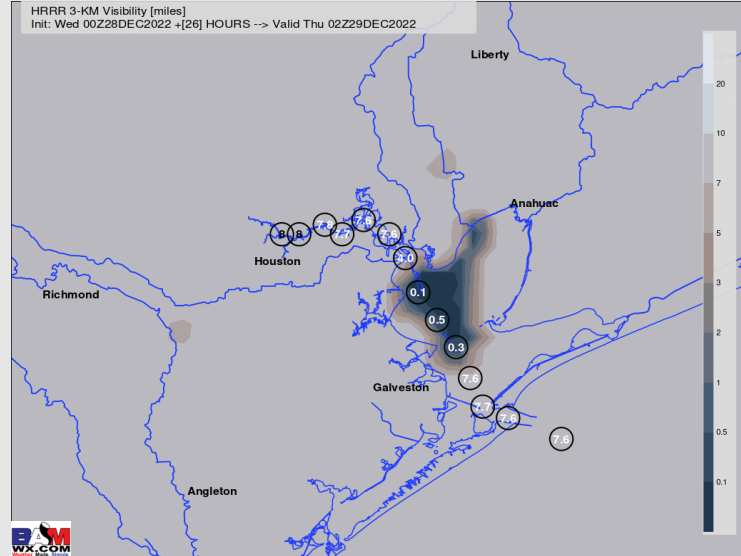
- Fog development around the area has been rather limited this morning, and that likely continues to be the case.
- The risk for fog (main risk N of Morgan’s Point) will continue to be mentioned through 9 AM, however this still appears as a rather low end threat.
- Once we work beyond mid-AM, the risk for fog is gone for the rest of the AM and afternoon hours.

# Houston Pilots Visibility Report



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

## Confidence



TIME	THREAT
7 PM WED – 10 AM THU	LOW - MEDIUM

- Confidence continues to run a bit lower than normal than we'd like at this distance as to the evolution of reduced visibility potential starting late tonight and working into Thursday morning.
- Low confidence comes on exact wind direction (SE vs S), speed, and how any pockets of precip will influence the development of fog. 3 borderline "ingredients" are helping make this a tricky forecast.
- 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. Forecasted % of development is around 60% as again, there is some uncertainty on the progression of things.
- Any reduced visibility via precip/fog/ low clouds could be on the order of <1-2 miles

# 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 3am	Wed 4am	Wed 5am	Wed 6am	Wed 7am	Wed 8am	Wed 9am	Wed 10am	Wed 11am	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	
610 Bridge	10	10	10	10	8	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	6	5	2	0.37	2	4	6	10	10	10	
Kinder 1	10	10	10	10	8	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	6	5	3	2	4	5	7	9	9	10	
Greens Bayou	10	10	10	10	8	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	7	6	5	4	5	7	8	9	9	10	
Shell Crude	10	10	10	10	8	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	10	10	10	8	8	8	8	6	8	9	9	9	9	9	
Lynchburg Ferries	10	10	10	10	8	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	9	10	9	8	8	8	8	6	8	9	9	9	9	9	
Exxon 3	10	10	10	10	8	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	8	9	9	8	8	8	8	6	8	9	9	9	9	9
Morgans Point	10	10	10	10	8	9	10	10	10	10	10	10	10	10	10	10	10	10	10	9	8	8	8	8	9	9	8	8	8	8	6	8	9	9	9	9	9
75/76	10	10	10	10	8	9	10	10	10	10	10	10	10	10	10	10	10	10	10	8	8	8	8	9	9	8	8	8	8	6	8	9	9	9	9	9	
63/64	10	10	10	10	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	8	8	8	8	9	9	8	8	8	8	8	8	8	8	9	9	9	9
51/52	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9
37/38	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	8	8	8	8	8	8	8	7	8	8	8	8	8	8	9	9	9	9
25/26	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9
11/12	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	8	8	8	8
1 & 2 Bravo	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	7	7	7	7

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

# Houston Pilots Wind Report



**Example**

Sustained wind 13 Knots  
 Gusts 18 Knots  
 Wind from the N

WS: 13  
 G:18  
 N

Time Knots	Wed 3am	Wed 4am	Wed 5am	Wed 6am	Wed 7am	Wed 8am	Wed 9am	Wed 10am	Wed 11am	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
<b>610 Bridge</b>	3 11 SE	4 9 ESE	4 9 E	3 8 E	3 11 E	3 11 ESE	6 11 SSE	8 19 S	10 23 S	13 21 SSW	14 22 SSW	14 23 SSW	13 22 SSW	12 21 S	10 22 S	9 14 SSE	9 14 SSE	8 14 SSE	8 14 SSE	8 14 SSE	8 15 S	9 14 S	8 14 S	8 14 S	8 13 S	7 13 S	7 11 S	6 11 S	7 12 S	8 13 S	10 17 S	11 20 S	12 21 S	11 22 S	12 22 S	
<b>Kinder 1</b>	3 11 SE	4 9 E	4 8 E	3 8 ESE	3 11 E	3 11 ESE	6 12 SSE	8 19 S	10 23 S	13 21 SSW	14 22 SSW	14 23 SSW	13 22 SSW	12 21 S	10 22 S	9 14 SSE	8 14 SSE	8 14 SSE	8 14 SSE	8 14 SSE	8 15 S	8 14 S	8 14 S	8 14 S	7 13 S	7 13 S	7 11 S	6 11 S	7 12 S	8 14 S	9 17 S	10 19 S	11 21 S	11 21 S	11 21 S	
<b>Greens Bayou</b>	3 11 SE	4 9 E	5 8 E	4 9 ESE	3 11 E	3 11 ESE	5 12 SSE	8 19 S	10 23 S	13 21 SSW	14 22 SSW	14 23 SSW	13 22 SSW	12 21 S	10 22 S	9 14 SSE	8 14 SSE	8 14 SSE	8 14 SSE	8 14 SSE	8 14 S	8 14 S	8 14 S	8 14 S	8 12 S	7 13 S	7 11 S	6 10 S	7 12 S	8 13 S	9 16 S	10 19 S	11 21 S	11 21 S	12 21 S	
<b>Shell Crude</b>	4 11 SE	5 9 E	5 8 E	4 9 ESE	3 11 E	3 11 ESE	5 12 SSE	8 19 S	10 24 S	13 21 SSW	14 22 SSW	14 22 SSW	13 22 SSW	12 21 S	10 22 S	9 14 SSE	8 14 SSE	8 14 SSE	8 14 SSE	8 14 SSE	8 14 S	8 14 S	8 14 S	8 14 S	8 12 S	7 13 S	7 11 S	6 11 S	7 12 S	8 13 S	9 16 S	10 19 S	11 21 S	11 21 S	12 20 S	
<b>Lynchburg Ferries</b>	4 11 SE	5 9 ESE	5 8 E	4 9 ESE	3 11 E	3 11 ESE	5 12 SSE	8 19 S	10 23 S	13 20 SSW	14 22 SSW	13 21 SSW	13 21 SSW	12 21 S	10 22 S	9 14 SSE	10 14 SSE	10 14 SSE	10 14 SSE	10 14 SSE	10 15 S	10 14 S	9 14 S	9 14 S	9 13 S	9 13 S	9 11 S	9 11 SSE	9 12 S	9 13 S	10 15 S	11 19 S	11 20 S	12 20 S	12 20 S	
<b>Exxon 3</b>	5 10 SSE	5 8 SE	5 6 E	4 9 ESE	4 10 ESE	3 11 ESE	6 12 SSE	8 18 S	10 22 S	12 21 SSW	13 21 SSW	13 21 SSW	13 21 SSW	12 21 S	10 21 SSE	10 14 SSE	10 14 SSE	10 14 SSE	10 14 SSE	10 14 SSE	10 15 S	10 14 S	10 14 S	9 14 S	9 13 S	9 13 S	9 12 S	9 12 S	9 12 S	10 13 S	11 18 S	11 19 S	12 20 S	12 20 S	12 20 S	
<b>Morgans Point</b>	6 10 SSE	5 8 SE	5 8 E	5 9 ESE	5 10 ESE	6 11 ESE	9 13 SSE	10 17 S	11 21 S	12 20 S	13 21 S	13 21 S	13 21 S	12 21 S	10 21 SSE	10 14 SSE	10 14 SSE	10 14 SSE	10 14 SSE	10 14 SSE	10 14 S	10 14 S	10 14 S	10 14 S	10 14 S	9 14 S	9 13 S	9 13 S	9 13 S	9 13 S	10 14 S	10 17 S	11 18 S	11 19 S	12 19 S	
<b>75/76</b>	6 10 SSE	4 8 SE	5 7 ESE	6 10 ESE	6 11 ESE	6 11 ESE	8 13 SSE	10 17 S	11 21 S	12 20 S	12 21 S	13 21 S	13 21 S	12 20 S	10 19 SSE	10 14 SSE	10 14 SSE	10 14 SSE	10 14 SSE	10 14 SSE	10 14 S	10 14 S	10 14 S	10 14 S	10 14 S	10 14 S	9 13 S	9 13 S	9 13 S	9 13 S	10 14 S	11 17 S	11 18 S	12 19 S	12 18 S	
<b>63/64</b>	6 10 SSE	4 7 SE	4 5 ESE	6 10 ESE	6 11 ESE	7 13 ESE	8 16 SSE	10 20 S	11 21 S	12 20 SSW	12 21 SSW	13 21 SSW	13 20 SSW	12 20 S	10 17 SSE	10 14 SSE	10 14 SSE	10 14 SSE	10 14 SSE	10 14 SSE	10 14 S	10 14 S	10 14 S	10 14 S	10 14 S	10 14 S	10 14 S	10 13 S	10 13 S	10 13 S	11 14 S	11 17 S	11 18 S	12 18 S	12 17 S	
<b>51/52</b>	4 9 SSE	3 7 SE	4 6 ESE	6 10 ESE	7 11 ESE	7 11 ESE	7 12 SSE	10 16 S	11 20 S	12 20 S	12 20 S	12 20 S	13 20 S	11 17 SSE	10 16 SSE	10 14 SSE	10 14 SSE	10 14 SSE	10 14 SSE	10 14 SSE	10 14 S	10 14 S	10 14 S	10 14 S	10 14 S	10 14 S	10 14 S	10 14 S	10 14 S	10 14 S	11 15 S	11 17 S	11 18 S	12 17 S	12 16 S	
<b>37/38</b>	4 9 SSE	4 10 SSE	4 7 SE	6 9 SE	6 11 SE	7 12 SE	7 15 SSE	10 20 S	11 21 S	12 20 S	12 19 S	12 18 S	13 18 S	11 16 SSE	10 15 SSE	10 14 SSE	10 14 SSE	10 14 SSE	10 14 SSE	10 14 SSE	10 14 S	10 14 S	10 14 S	10 14 S	10 14 S	10 14 S	10 14 S	10 14 S	10 14 S	10 14 S	11 15 S	11 17 S	11 17 S	12 17 S	12 17 S	
<b>25/26</b>	6 12 S	5 10 SSW	3 7 SE	6 10 SE	7 11 SE	7 11 SE	7 12 SSE	10 14 S	11 20 S	12 20 S	12 18 S	12 18 S	11 18 S	10 15 SSE	10 15 SSE	10 15 SSE	10 16 SSE	10 17 SSE	10 17 SSE	10 17 SSE	10 17 S	10 17 S	10 17 S	10 17 S	10 17 S	10 17 S	10 17 S	10 17 S	10 17 S	10 17 S	11 15 S	11 17 S	11 17 S	12 17 S	12 16 S	
<b>11/12</b>	9 13 S	6 11 SSW	3 7 SE	6 10 SE	7 11 SE	8 12 SE	8 13 SSE	10 14 S	11 17 S	11 19 S	11 19 S	11 17 S	11 16 S	9 15 SSE	9 16 SSE	10 16 SSE	10 16 SSE	10 16 SSE	10 16 SSE	10 16 SSE	10 16 S	10 16 S	10 16 S	10 16 S	10 16 S	10 16 S	10 16 S	10 16 S	10 16 S	10 16 S	11 15 S	11 17 S	11 18 S	12 16 S	12 16 SSE	
<b>1 &amp; 2 Bravo</b>	9 15 SSW	6 11 SSW	4 9 S	6 10 SE	7 11 SE	8 12 SE	8 13 SSE	10 14 S	11 16 S	11 17 S	10 16 S	8 16 S	8 16 S	8 15 SSE	10 16 SSE	10 16 SSE	10 16 SSE	10 16 SSE	10 16 SSE	10 16 SSE	10 16 S	10 16 S	10 16 S	10 16 S	10 16 S	10 16 S	10 16 S	10 16 S	10 16 S	10 16 S	11 15 S	11 17 S	11 17 S	12 16 S	12 16 SSE	

# Houston Pilots: Wed. 12/28/2022



## Forecast Discussion

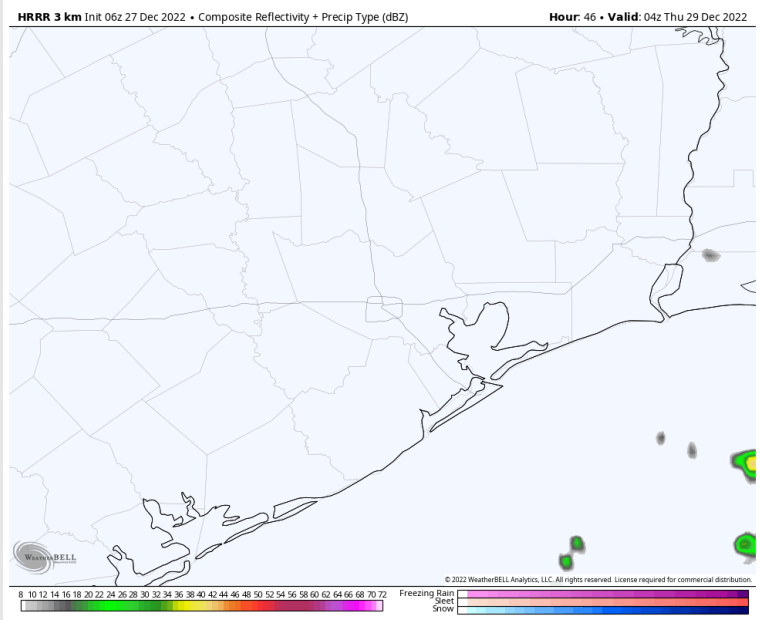
**Precip:** Most of today is dry. It's after the ~7 PM timeframe where a few isolated ~20% showers can start to work into the boarding station area. The better opportunity for higher precip chances comes on Thursday.

**Wind:** Winds will consistently be out of the SE today. The morning hours sees sustained winds 5-10 knots, while the afternoon hours are more 8-13 knots with gusts to 15 knots.

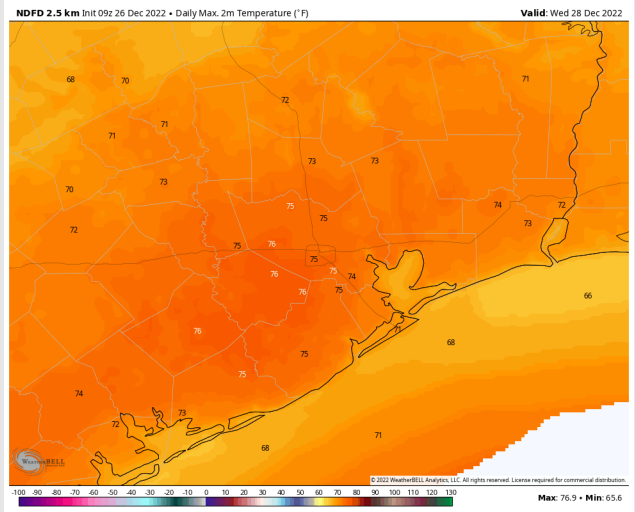
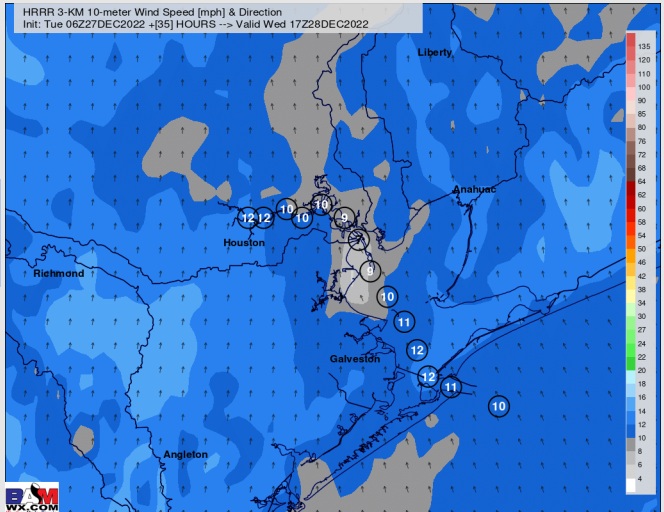
**Temps:** Today highs will be in the upper 60s to lower 70s.

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

## Precip Forecast: 11 PM CT



Wind Speed  
11 AM CT



High Temps  
Wednesday

# Houston Pilots: Thur. 12/29/2022



## Forecast Discussion

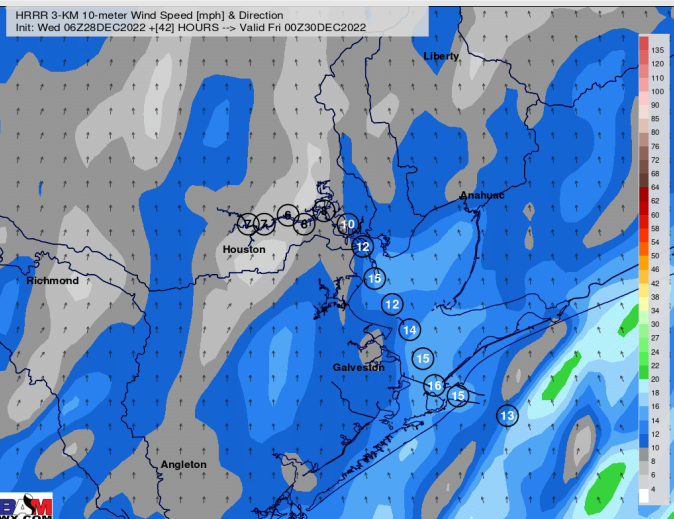
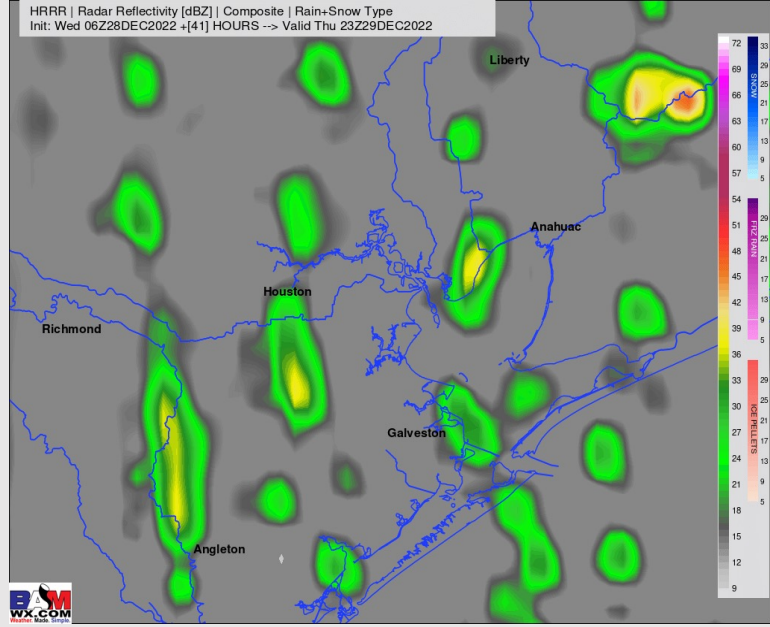
**Precip:** Anticipating pockets of light to moderate rain showers around the area through 4 PM (there will be breaks in the rain over the day). After ~mid afternoon, coverage looks to increase some and chances pick up closer to 70% for the evening. The evening hours will also be when the threat of a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

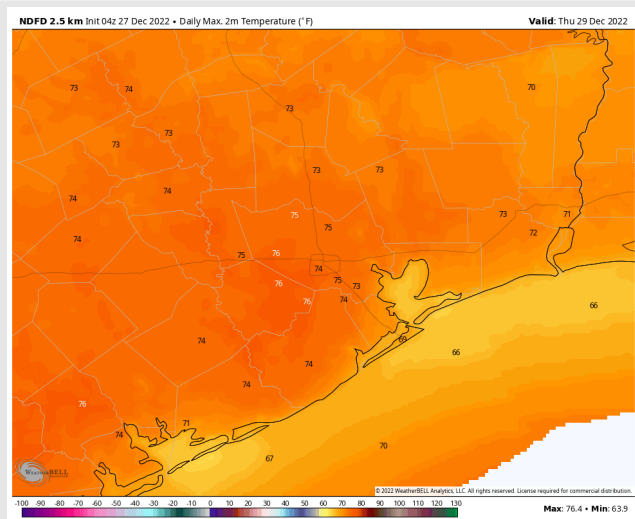
**Temps:** High temps Thursday will be in the Mid 70s F north of Morgan's Point and in the mid 60s to near 70 F south of Morgan's Point.

**Visibility:** Areas of low clouds / fog / rain showers will be likely through the day and lead to reduced visibility. Lower confidence continues on the exact details of timing, reduced visibility type, if winds are too strong for fog....etc. The threat for a reduction in visibility will be present most of the day.

## Precip Forecast: 5 PM CT



Wind Speed  
5 PM CT



High Temps  
Thursday



# Houston Pilots: Fri. 12/30/2022



## Forecast Discussion

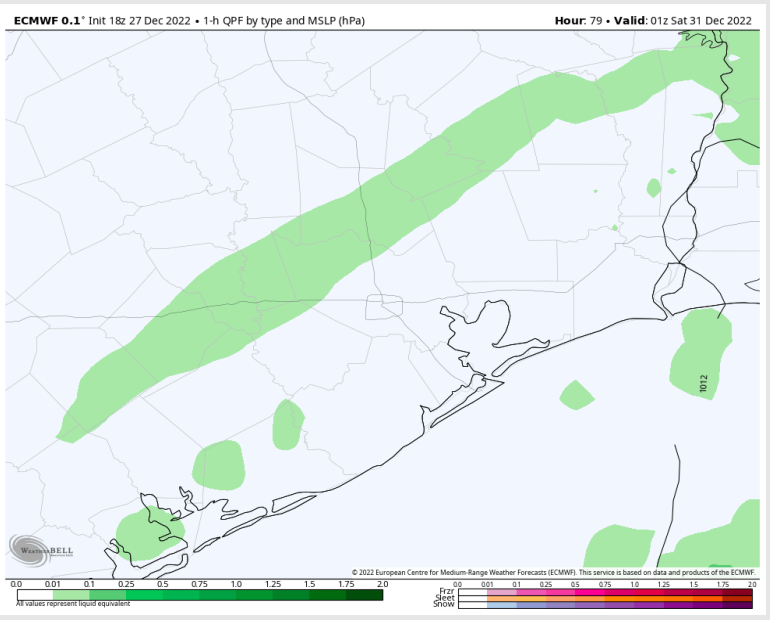
**Precip:** Exiting rain showers in the morning will look to clear out by 6 AM, but pockets of drizzle will be possible (10% chance) for the remainder of the day.

**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.

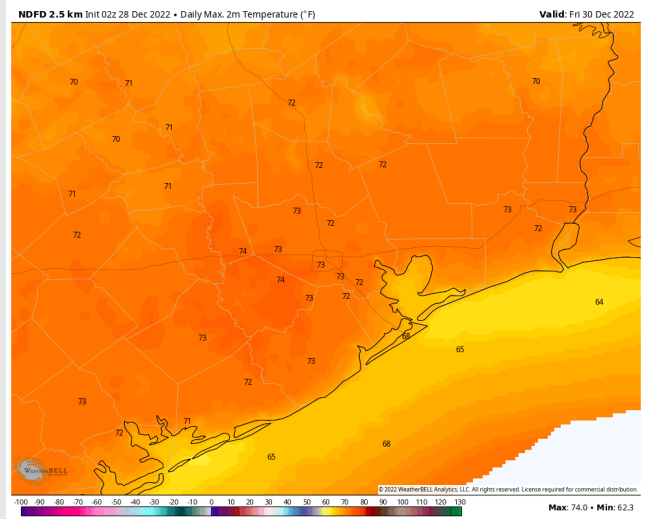
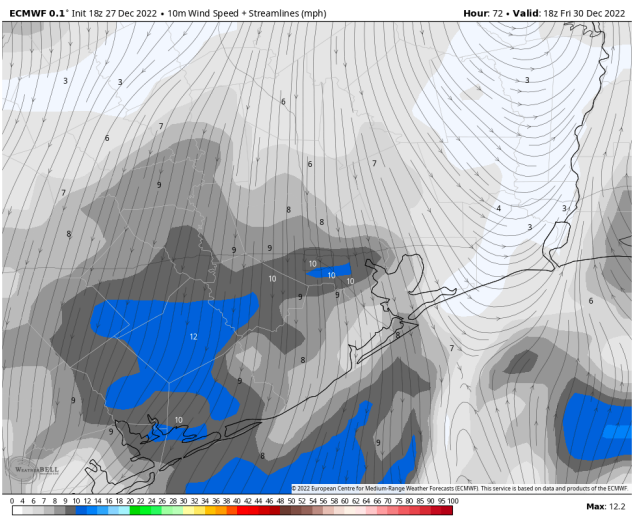
**Temps:** High temps Friday will be in the lower 70s F north of Morgan’s Point and in the mid to upper 60s F south of Morgan’s Point.

**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

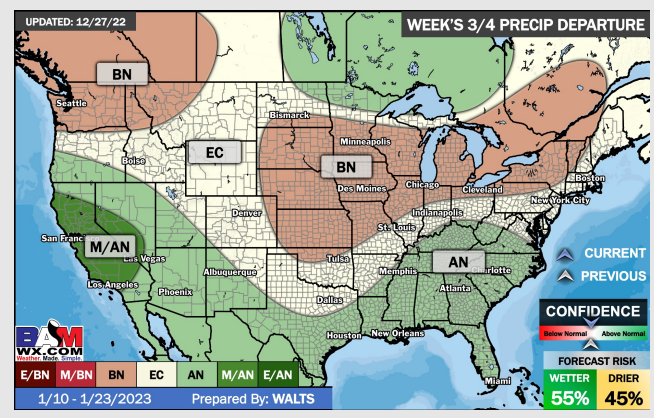
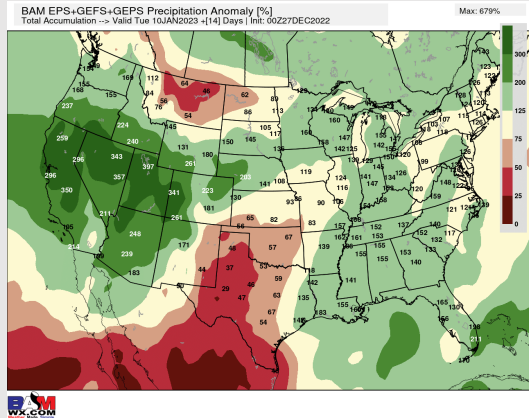
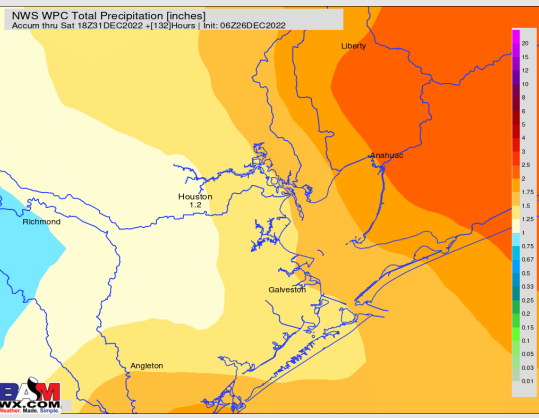
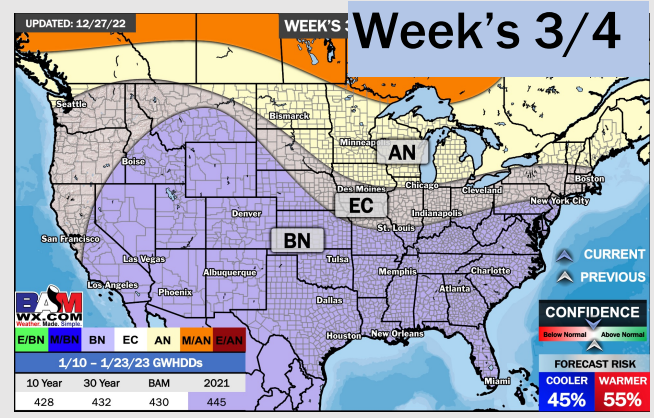
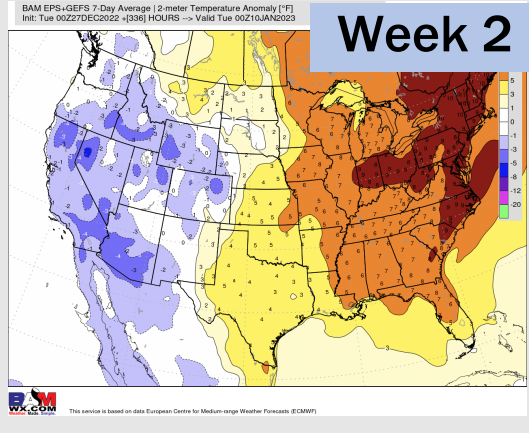
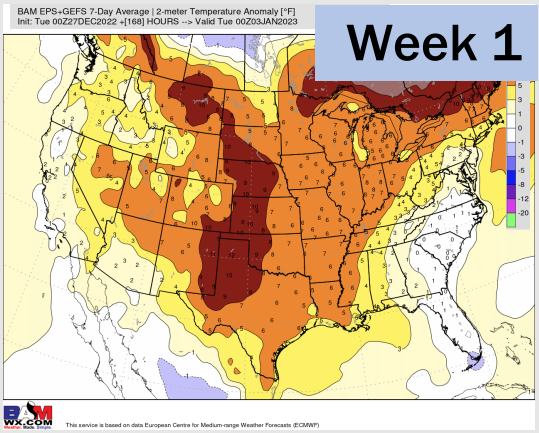


Wind Speed  
12 PM CT



High Temps  
Friday

# Houston Pilots: 12/28/22



- An overall dry forecast is expected the next few days with the better shot for rain moving in Thursday (low chances late Wed). Temperatures rise to above average to end the year.
- 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.