

# Houston Pilots Forecast Package



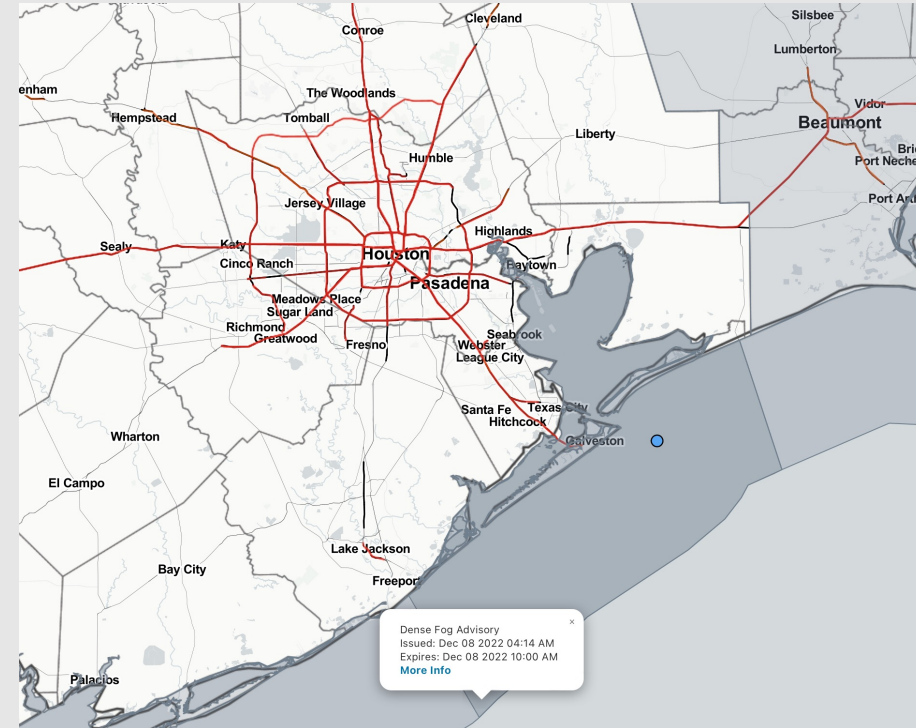
Updated: 5:15 AM CT

Thursday, December 8, 2022

Forecaster: Alyssa McClung

## Weather Headlines

- Hit and miss pockets of drizzle will be possible the next few days. Not expecting a washout of precipitation.
- Winds will generally stay within the 5 – 15 kt range over the next three days. Winds will be generally out of the ESE/SE and continue at this direction for the next three days. Friday looks to have the calmest winds.
- **Fog chances will be at play over the next 48 hours. Please check out the slides below where we try to nail down timing as best as possible.**



## Radar/NWS Alerts: 5:15 AM CT



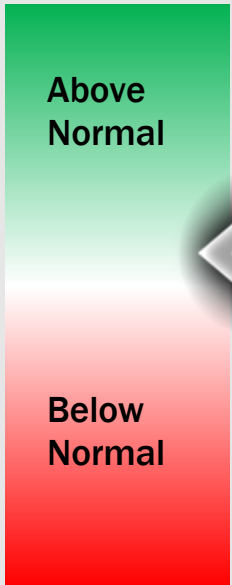
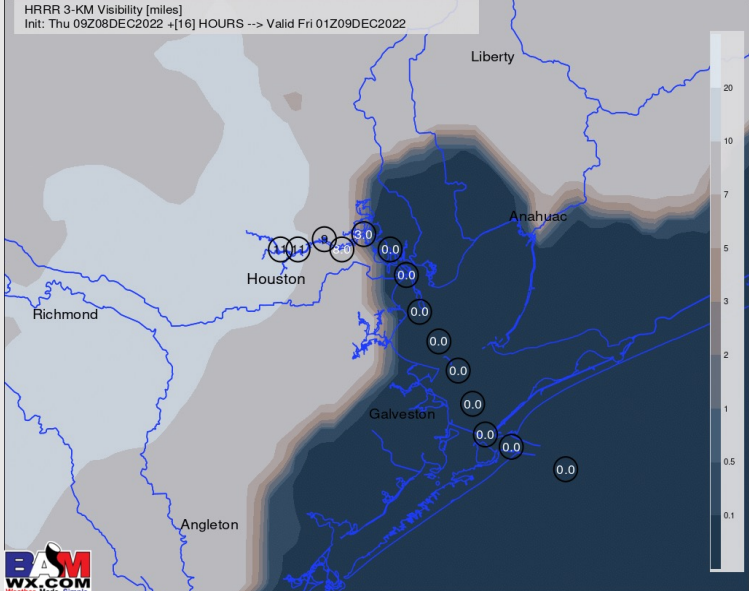
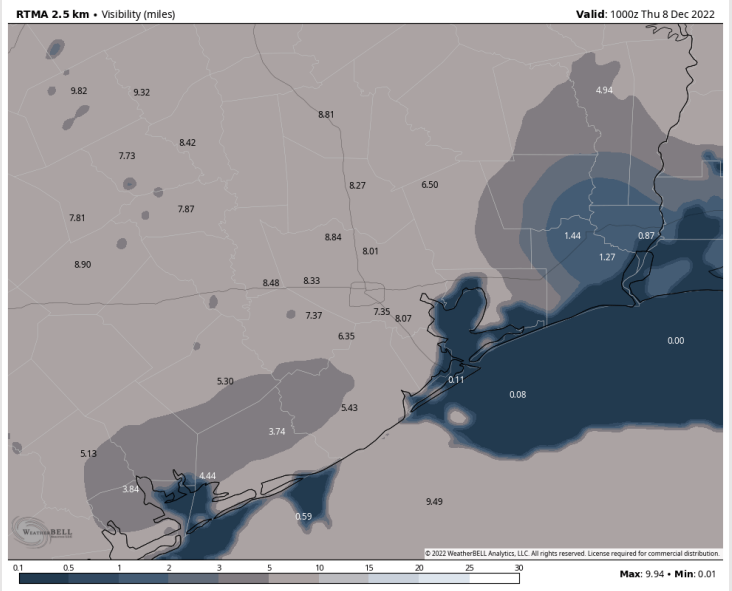
As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.

# Houston Pilots Visibility Report



## 4 AM THU VISIBILITY      7 PM THU CT VISIBILITY

## Confidence



### Reduced Visibility Threat

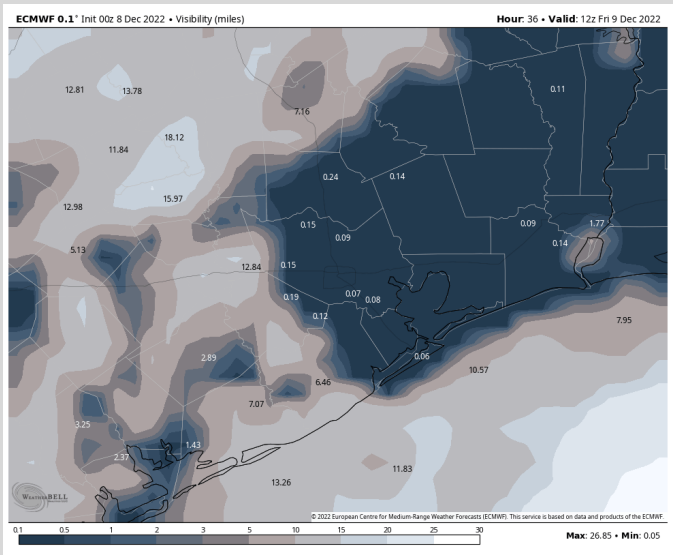
NOW – 12 AM FRI	Medium - High
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- Areas of patchy to widespread dense fog / reduced visibilities of 0.5 mile or less ongoing for all pilot locations south of Morgan's Point.
- Between 10 AM and 5 PM Thursday, widespread fog will begin to recede, pulling away first from stations 610 Bridge through 75/76 and become patchier for stations south of 75/76 as winds veer out of the East. Boarding Station will still be at risk for dense fog.
- After 5 PM Thursday, winds will shift back out of the SE allowing for fog to again expand over the region becoming more widespread. The greatest risk for dense fog at all stations will begin again after 12 AM Friday.
- Areas with visibilities less than 0.5 mile will be possible with this threat.

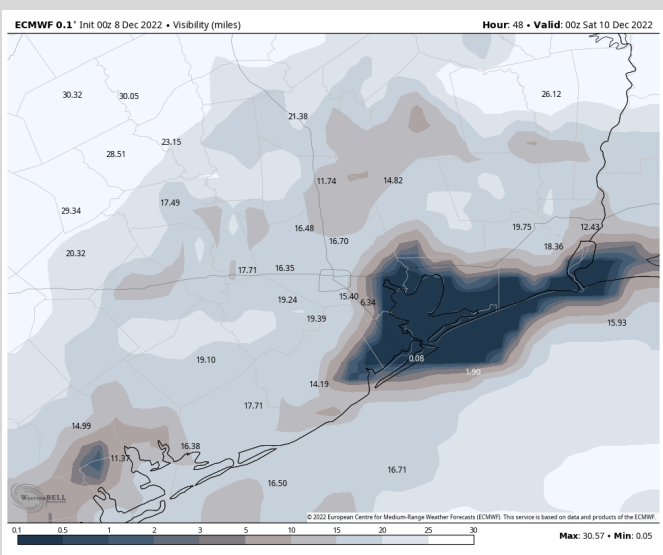
# Houston Pilots Visibility Report



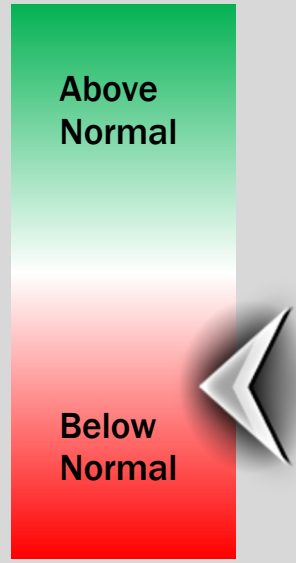
## 6 AM CT FRI VISIBILITY



## 6 PM CT FRI VISIBILITY



## Confidence



**Reduced Visibility Threat**

**12 AM FRI - 12 AM SAT**      **Medium - High**

- Fog risk will carry over from Thursday. Favoring fog to be most widespread and dense from 12 AM – 10 AM Friday.
- Between 10 AM and 3 PM Friday, widespread fog will become patchier for all stations as winds temporarily lose their SE flow, angling a bit more out of the East. Boarding Station will be at the greatest risk for continued patchy dense fog.
- After 3 PM Friday, winds will shift again directly out of the SE allowing for fog to again be possible over the region, potentially impacting all stations through 12 AM Saturday, however confidence is low for exact coverage and timing at this distance.
- Areas with visibilities less than 0.5 mile will be possible with this threat.

# Houston Pilots Extended Range Visibility Report



## Sunday 12/11/22

Slightly lower confidence on the specifics as a front will turn winds more variable and lead to the lowest potential of fog out through the weekend.



## Tuesday 12/13/22

Anticipating wind vectors to remain out of the SW pending an approaching front. Warmer than average temperatures in addition to higher dew points may allow for some fog during the evening hours.



## Monday 12/12/22

While some patchy fog appears possible Monday morning, winds shifting out of the SW should limit coverage. Lower confidence in the timing of change.



## Chance for Reduced Visibility

Sunday AM	Possible
Sunday PM	Possible
Monday AM	Possible
Monday PM	Unlikely
Tuesday AM	Unlikely
Tuesday PM	Possible

# Houston Pilots Visibility Report



Time	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	Fri 12am	Fri 1am	Fri 2am	Fri 3am	Fri 4am	Fri 5am	Fri 6am	Fri 7am	Fri 8am	Fri 9am	Fri 10am	Fri 11am	Fri 12pm	Fri 1pm	Fri 2pm	Fri 3pm				
610 Bridge	6	5	4	2	2	6	10	10	10	10	10	10	10	10	10	10	10	10	8	7	6	4	0.72	0.48	0.48	0.37	0.37	0.24	0.24	2	4	6	10	10	10	10				
Kinder 1	6	5	4	2	2	6	10	10	10	10	10	10	10	10	10	10	10	10	8	7	6	4	1	2	2	2	2	2	2	2	5	6	10	10	10	10				
Greens Bayou	6	5	4	2	2	6	9	10	10	10	10	10	10	10	10	10	10	10	8	7	6	4	3	4	4	4	4	4	4	4	6	7	10	10	10	10				
Shell Crude	6	5	3	2	2	6	10	10	10	10	10	10	10	10	10	10	10	10	8	7	6	4	3	6	7	8	8	8	8	8	8	9	10	10	10	10				
Lynchburg Ferries	6	5	3	2	2	5	9	10	10	10	10	10	10	10	10	10	10	10	8	7	6	4	3	6	7	8	8	8	8	8	8	8	9	10	10	10	10			
Exxon 3	6	5	3	2	1	5	10	10	10	10	10	10	10	10	10	10	10	10	8	6	5	4	3	6	7	8	8	8	8	8	8	8	9	10	10	10	10			
Morgans Point	6	4	3	1	0.48	5	10	10	10	10	10	10	10	10	10	10	10	10	8	6	5	3	4	6	7	8	8	8	8	8	8	8	9	10	10	10	10			
75/76	6	4	3	0.48	0.24	5	10	10	10	10	10	10	10	10	10	10	10	10	7	6	5	0.95	4	6	7	8	8	8	8	8	8	8	8	9	10	10	10	10		
63/64	6	4	0.55	0.36	0.24	5	9	10	10	10	10	10	10	10	10	10	10	10	7	6	4	1	4	6	7	8	8	8	8	8	8	8	8	9	10	10	10	10		
51/52	2	0.48	0.41	0.24	0.24	1	8	9	10	10	10	10	10	10	9	9	7	0.72	0.48	0.5	2	4	5	7	7	7	7	7	7	8	8	9	10	10	10	9				
37/38	0.72	0.48	0.24	0.24	0.24	0.24	6	8	10	10	10	10	10	10	9	8	6	4	0.72	0.48	1	3	5	6	7	7	7	7	7	7	8	8	8	8	8	9	9	9	9	
25/26	0.48	0.48	0.24	0.24	0.24	0.24	0.48	7	9	10	10	10	10	10	9	7	6	5	4	0.46	0.24	3	5	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	
11/12	0.48	0.48	0.24	0.24	0.24	0.24	0.48	1	1	7	10	10	10	7	1	0.57	0.49	0.25	0.24	0.24	4	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9	9	7	7
1 & 2 Bravo	0.48	0.29	0.24	0.24	0.24	0.24	0.48	0.72	0.77	1	0.91	0.77	0.64	1	1	0.53	0.38	0.18	0.18	1	6	8	8	8	8	8	8	8	8	8	8	8	8	8	7	7	7	7	7	

Please check slides above for official thinking on fog as the chart is likely not perfect.



# Houston Pilots Wind Report



## Confidence



## Example

Sustained wind 13 Knots  
Gusts 18 Knots  
Wind from the N

WS: 13  
G:18  
N

Time Knots	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	Fri 12am	Fri 1am	Fri 2am	Fri 3am	Fri 4am	Fri 5am	Fri 6am	Fri 7am	Fri 8am	Fri 9am	Fri 10am	Fri 11am	Fri 12pm	Fri 1pm	Fri 2pm	Fri 3pm
610 Bridge	5 15 S	3 12 SSW	3 12 S	4 10 S	4 12 S	5 11 S	6 10 SSW	6 10 SSW	7 10 SSW	6 10 SSW	7 11 SSW	8 11 SSW	9 13 SSW	8 14 S	7 14 SSE	7 10 SSE	6 9 SSE	5 7 SSE	5 8 SSE	4 8 SSE	4 7 SSE	3 7 SSE	3 5 SSE	2 4 SSE	2 3 SSE	3 4 SSE	3 4 SSE	3 5 SSE	4 7 SSE	4 8 SSE	5 8 SSE	5 8 SSE	6 9 SSE	6 11 SSE	7 11 SSE	8 11 SSE
Kinder 1	5 14 S	4 12 SSW	3 12 S	4 10 S	5 12 S	5 11 SSW	6 10 SSW	7 10 SSW	7 10 SSW	8 11 SSW	9 12 SSW	9 14 SSW	8 14 S	7 14 SSE	7 10 SSE	6 9 SSE	5 7 SSE	5 8 SSE	4 8 SSE	4 7 SSE	3 6 SSE	3 5 SSE	2 4 SSE	2 3 SSE	3 4 SSE	3 4 SSE	4 5 SSE	4 6 SSE	5 7 SSE	6 8 SSE	7 8 SSE	8 10 SSE	9 11 SSE	10 11 SSE	11 11 SSE	
Greens Bayou	5 15 S	4 12 S	4 12 SSW	3 9 SSE	5 12 S	5 11 SSW	6 10 SSW	7 9 SSW	7 9 SSW	8 10 SSW	9 11 SSW	9 12 S	8 15 S	7 14 SSE	7 9 SSE	7 8 SSE	7 7 SSE	7 7 SSE	7 7 SSE	7 7 SSE	7 5 SSE	5 4 SSE	4 3 SSE	4 3 SSE	3 3 SSE	3 3 SSE	3 4 SSE	4 6 SSE	4 6 SSE	5 7 SSE	6 7 SSE	7 7 SSE	8 9 SSE	9 10 SSE	10 11 SSE	
Shell Crude	4 14 S	4 12 S	3 11 S	3 10 SSE	5 12 S	5 11 SSW	6 10 SSW	7 10 SSW	7 10 SSW	8 11 SSW	9 12 SSW	9 13 S	8 14 SSE	7 14 SSE	7 9 SSE	6 8 SSE	5 7 SSE	5 7 SSE	4 6 SSE	4 5 SSE	4 4 SSE	3 3 SSE	2 2 SSE	2 2 SSE	3 3 SSE	3 4 SSE	3 4 SSE	4 5 SSE	4 6 SSE	5 7 SSE	6 8 SSE	7 9 SSE	8 10 SSE	9 11 SSE	10 11 SSE	
Lynchburg Ferries	4 15 S	4 12 S	3 12 S	4 9 S	5 12 S	5 11 S	6 10 S	7 10 S	7 10 SSE	8 11 SSE	9 12 SSE	9 13 SSE	8 14 SSE	8 14 SSE	8 10 SSE	7 8 SSE	7 7 SSE	6 6 SSE	6 5 SSE	6 5 SSE	5 4 SSE	5 4 SSE	4 4 SSE	4 4 SSE	4 4 SSE	5 5 SSE	5 5 SSE	5 5 SSE	6 7 SSE	6 7 SSE	7 8 SSE	8 9 SSE	9 10 SSE	10 11 SSE		
Exxon 3	6 14 S	5 11 S	5 10 S	5 9 S	5 12 S	5 11 SSE	6 10 SSE	6 11 SSE	7 11 SSE	8 13 SSE	9 14 SSE	9 15 SSE	8 14 SSE	8 14 SSE	8 10 SSE	8 8 SSE	8 7 SSE	6 6 SSE	5 5 SSE	5 5 SSE	5 4 SSE	4 4 SSE	4 4 SSE	4 4 SSE	4 4 SSE	5 5 SSE	5 5 SSE	6 7 SSE	7 8 SSE	8 9 SSE	9 10 SSE	10 11 SSE	11 11 SSE	12 12 SSE		
Morgans Point	7 12 S	5 11 S	6 10 S	7 9 S	6 11 SSE	5 11 SSE	6 10 SSE	7 11 SSE	9 12 SSE	10 13 SSE	11 14 SSE	12 15 SSE	11 14 SSE	10 14 SSE	10 10 SSE	7 9 SSE	7 8 SSE	6 6 SSE	5 5 SSE	4 4 SSE	4 4 SSE	4 4 SSE	4 4 SSE	4 4 SSE	4 4 SSE	4 4 SSE	5 6 SSE	5 6 SSE	6 7 SSE	7 8 SSE	8 9 SSE	9 10 SSE	10 11 SSE	11 11 SSE	12 12 SSE	
75/76	7 10 S	6 10 S	7 10 SSE	7 9 SSE	6 12 SSE	6 11 SSE	8 10 SSE	8 11 SSE	10 12 SSE	11 13 SSE	12 14 SSE	12 15 SSE	11 14 SSE	10 14 SSE	10 10 SSE	7 9 SSE	7 8 SSE	6 6 SSE	5 5 SSE	4 4 SSE	4 3 SSE	3 3 SSE	3 3 SSE	4 4 SSE	4 4 SSE	4 4 SSE	4 5 SSE	5 6 SSE	6 7 SSE	7 8 SSE	8 9 SSE	9 10 SSE	10 11 SSE	11 11 SSE	12 12 SSE	
63/64	6 9 S	7 11 S	7 10 S	7 8 S	6 9 SSE	6 11 SSE	6 12 SSE	8 13 SSE	8 15 SSE	10 16 SSE	10 16 SSE	11 14 SSE	11 13 SSE	10 13 SSE	10 10 SSE	7 8 SSE	7 8 SSE	6 6 SSE	5 5 SSE	4 4 SSE	4 4 SSE	3 3 SSE	3 3 SSE	4 4 SSE	4 4 SSE	4 5 SSE	5 6 SSE	6 7 SSE	7 8 SSE	8 9 SSE	9 10 SSE	10 11 SSE	11 11 SSE	12 12 SSE		
51/52	6 10 S	7 11 S	6 10 S	6 7 S	6 11 SSE	6 11 SSE	7 12 SSE	7 14 SSE	9 15 SSE	10 16 SSE	11 17 SSE	11 14 SSE	10 13 SSE	11 11 SSE	10 10 SSE	7 9 SSE	7 8 SSE	6 6 SSE	5 5 SSE	4 4 SSE	4 4 SSE	3 3 SSE	3 3 SSE	4 4 SSE	4 4 SSE	4 5 SSE	5 6 SSE	6 7 SSE	7 8 SSE	8 9 SSE	9 10 SSE	10 11 SSE	11 11 SSE	12 12 SSE		
37/38	6 10 S	7 10 S	5 10 S	5 9 SSE	4 12 SSE	4 11 SSE	5 10 SSE	5 11 SSE	7 12 SSE	8 13 SSE	9 14 SSE	10 15 SSE	10 12 SSE	9 11 SSE	9 9 SSE	7 8 SSE	7 7 SSE	6 6 SSE	5 5 SSE	4 4 SSE	4 3 SSE	3 3 SSE	3 3 SSE	4 4 SSE	4 4 SSE	4 5 SSE	5 6 SSE	6 7 SSE	7 8 SSE	8 9 SSE	9 10 SSE	10 11 SSE	11 11 SSE	12 12 SSE		
25/26	6 10 S	6 9 S	4 6 S	4 5 SSE	3 12 SSE	4 11 SSE	5 10 SSE	5 11 SSE	7 12 SSE	8 13 SSE	9 14 SSE	11 15 SSE	11 13 SSE	11 11 SSE	9 9 SSE	8 8 SSE	7 7 SSE	6 6 SSE	5 5 SSE	4 4 SSE	4 4 SSE	4 4 SSE	4 4 SSE	4 4 SSE	4 5 SSE	5 6 SSE	6 7 SSE	7 8 SSE	8 9 SSE	9 10 SSE	10 11 SSE	11 11 SSE	12 12 SSE			
11/12	6 10 S	5 9 S	4 7 S	4 5 SSE	4 12 SSE	5 11 SSE	5 10 SSE	6 11 SSE	6 12 SSE	7 13 SSE	8 14 SSE	9 15 SSE	9 12 SSE	9 11 SSE	7 9 SSE	7 8 SSE	7 7 SSE	6 6 SSE	5 5 SSE	4 4 SSE	4 4 SSE	4 4 SSE	4 4 SSE	4 5 SSE	5 6 SSE	6 7 SSE	7 8 SSE	8 9 SSE	9 10 SSE	10 11 SSE	11 11 SSE	12 12 SSE				
1 & 2 Bravo	6 10 SE	5 9 SE	4 7 E	4 5 E	4 12 E	5 11 E	5 10 E	6 11 E	6 12 E	7 13 E	8 14 E	9 15 E	9 12 E	9 11 E	7 9 E	7 8 E	7 7 E	6 6 E	5 5 E	4 4 E	4 4 E	4 4 E	4 4 E	4 5 E	5 6 E	6 7 E	7 8 E	8 9 E	9 10 E	10 11 E	11 11 E	12 12 E				

# Houston Pilots: Thurs. 12/8/2022



## Forecast Discussion

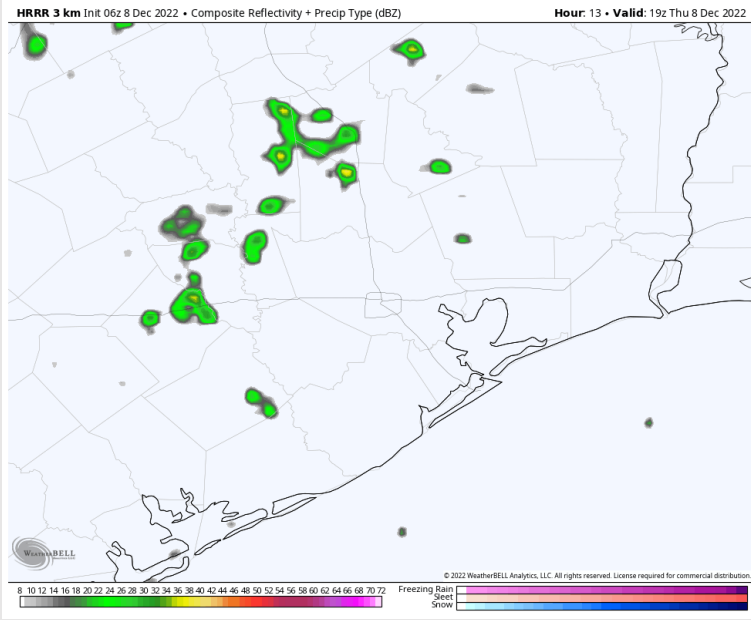
**Precip:** A slight chance (20%) for a few pockets of drizzle/ light showers during the 11 AM – 4 PM timeframe. A few hundredths of an inch will be possible, but the showers will be very spotty in coverage. Dry conditions outside of this timeframe today.

**Wind:** Sustained winds from the SE for the entire day. Winds will start out at 5-10 kts until 1 PM, before increasing to 8-13 kts. Winds will stay here until 8 PM, when they will decrease back down to 5-10 kts.

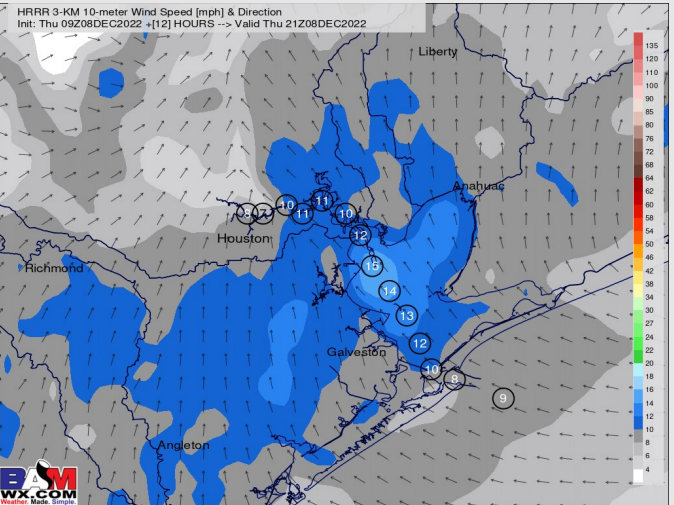
**Temps:** High temperatures will be near 80 F N of Morgan's Point and in the mid to lower 70s F S of Morgan's Point.

**Visibility:** Patchy dense / widespread dense fog will again be possible throughout the day today. More details on the slides above.

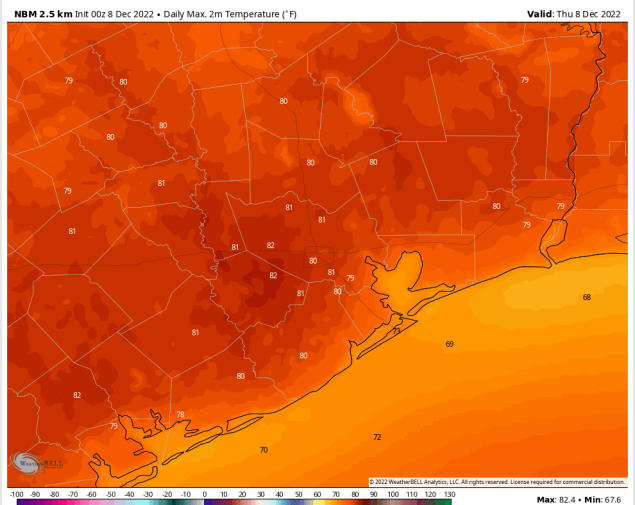
## Precip Forecast: 1 PM CT



Wind Speed  
3 PM CT



High Temps  
Today



# Houston Pilots: Fri. 12/9/2022



## Forecast Discussion

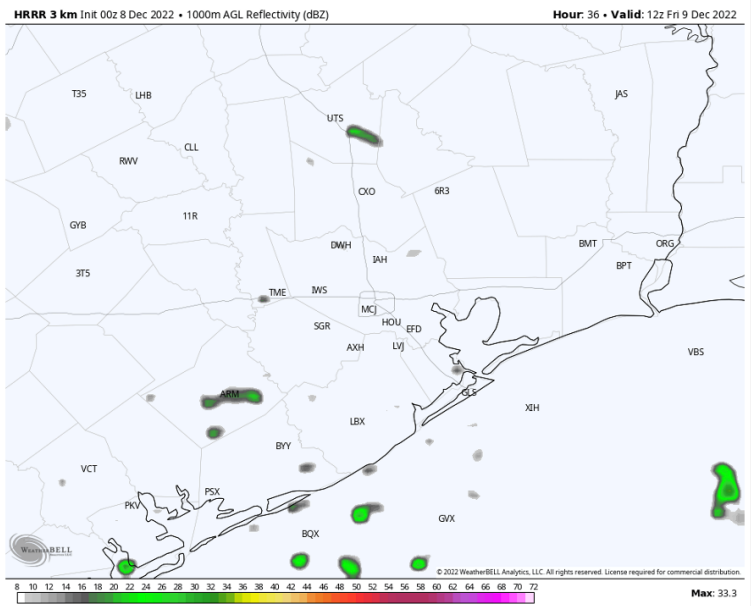
**Precip:** A 20% chance for isolated showers will be possible from the 6 AM – 6 PM timeframe Friday. Pockets of precip is expected to be hit and miss and rather light in terms on intensity, with higher intensity rains staying north and west of HOU.

**Wind:** Winds will be out of the SE for almost the entire day. Winds will be at 3-8 kts until 12 PM. After 3 PM, winds will increase to 6-11 kts and remain here throughout the PM hours on Friday.

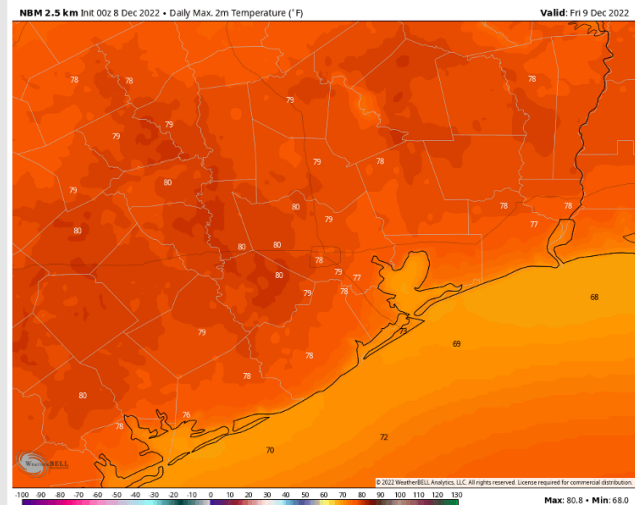
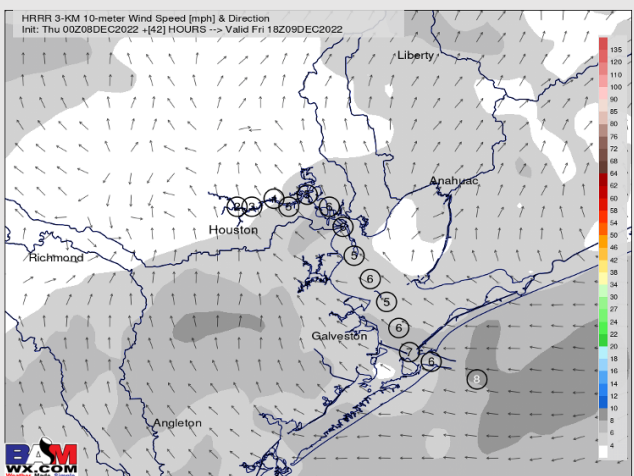
**Temps:** High temps Friday will be in the mid to upper 70s F north of the Boarding Station, and around 70 F at the Boarding Station.

**Visibility:** Patchy and perhaps dense fog will certainly be possible once again for the AM hours and early afternoon. More details in the slides above.

## Precip Forecast: 6 AM CT



Wind Speed  
12 PM CT



High Temps  
Friday



# Houston Pilots: sat. 12/10/2022



## Forecast Discussion

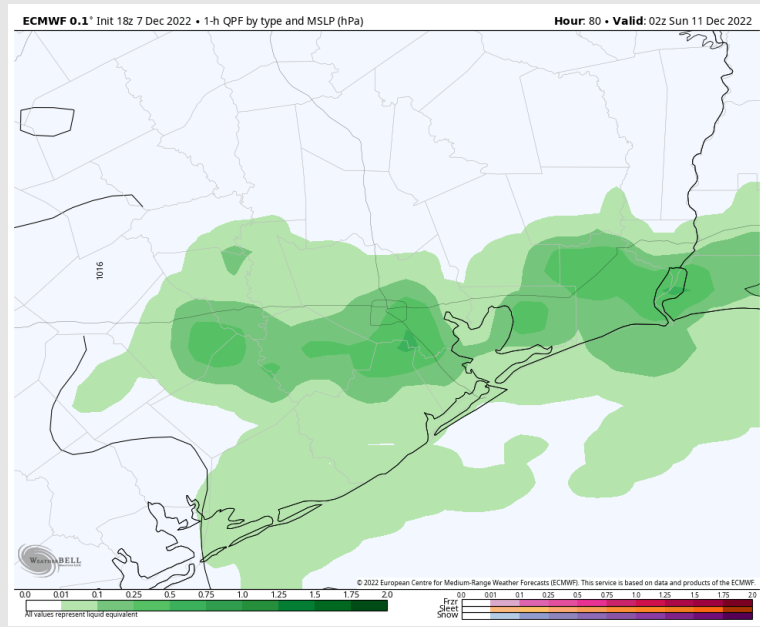
**Precip:** Dry conditions until 12 PM on Saturday. From 12-5 PM, 30% chance of scattered showers/storms around the area, with coverage increasing to 70-80% after 5 PM and continuing throughout the rest of the evening.

**Wind:** Sustained winds out of the S/SE throughout the day. Winds at 5-10 kts until 11 AM. From 11 AM – 5 PM, winds will increase to 8-13kts. After 5 PM, winds will calm down to 2-7 kts throughout the rest of the evening.

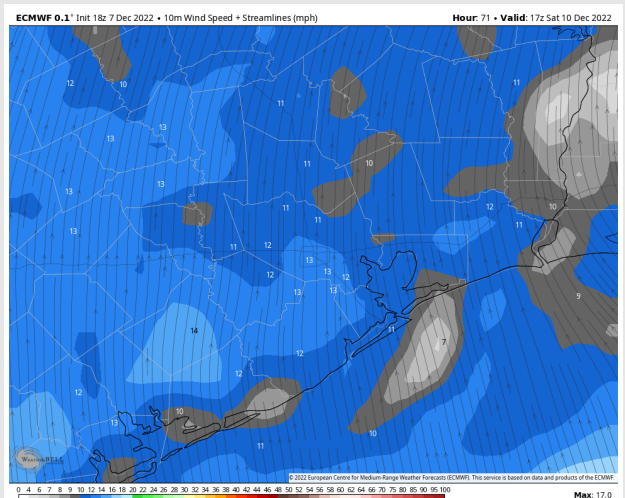
**Temps:** High temperatures for Saturday will be near 80 F/high 70's north of the boarding station and low 70's near the boarding station.

**Visibility:** Patchy fog is possible during the AM hours, with lower confidence in fog due to elevated winds in the afternoon hours.

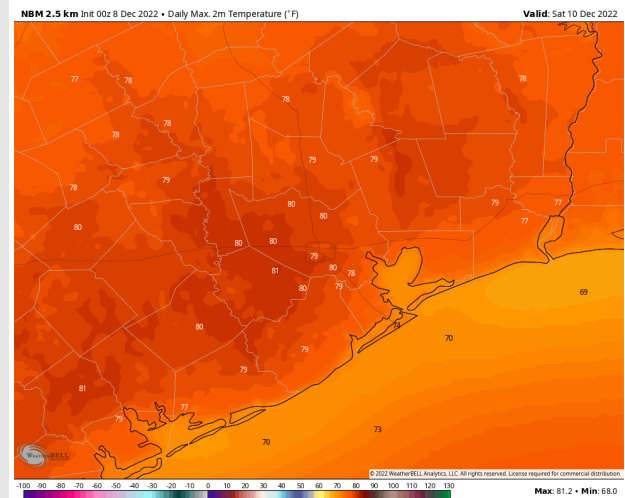
## Precip Forecast: 8 PM CT



Wind Speed  
11 AM CT



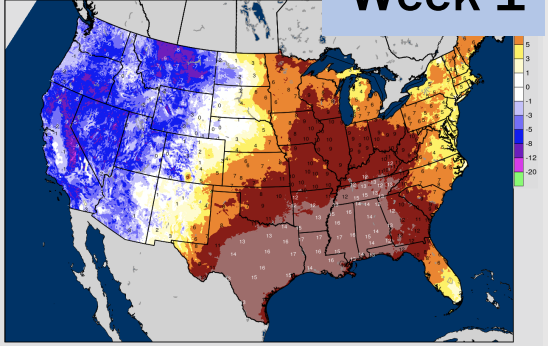
High Temps  
Saturday



# Houston Pilots: 12/8/22

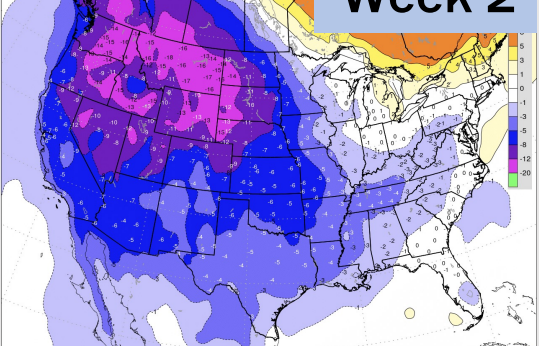
BAMCast Average Temperature Anomaly [°F]  
7-DAY AVG for Wed 07DEC2022 thru Tue 13DEC2022 Days 1 to 7

**Week 1**

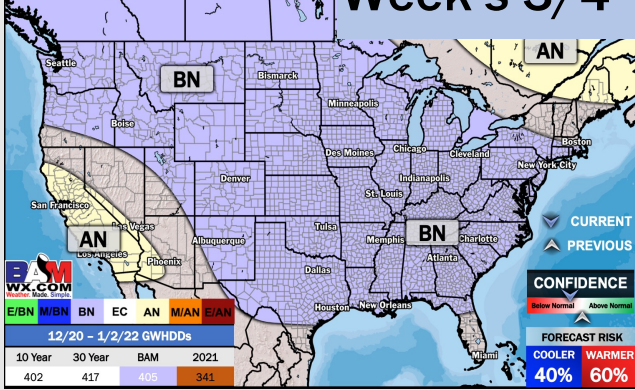


BAM EPS-GEFS 7-Day Average | 2-meter Temperature Anomaly [°F]  
Init: Wed 00Z07DEC2022 +[336] HOURS -> Valid Wed 00Z11DEC2022

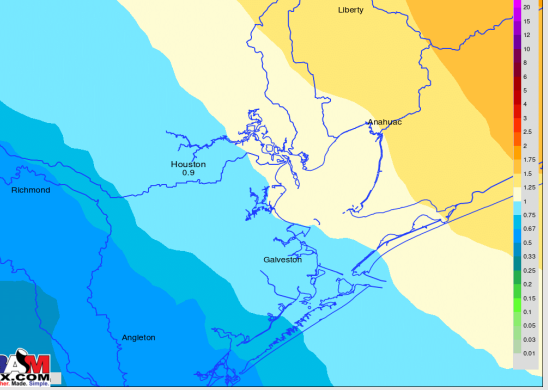
**Week 2**



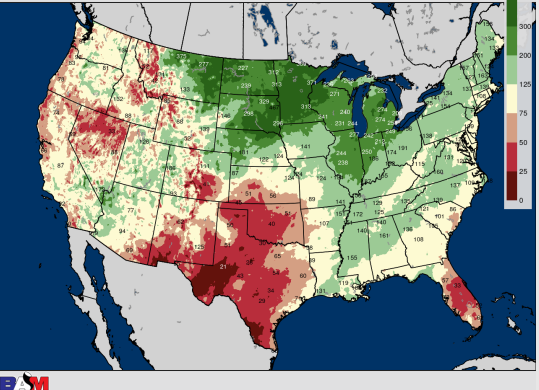
UPDATED: 12/6/22 WEEK'S 3/4



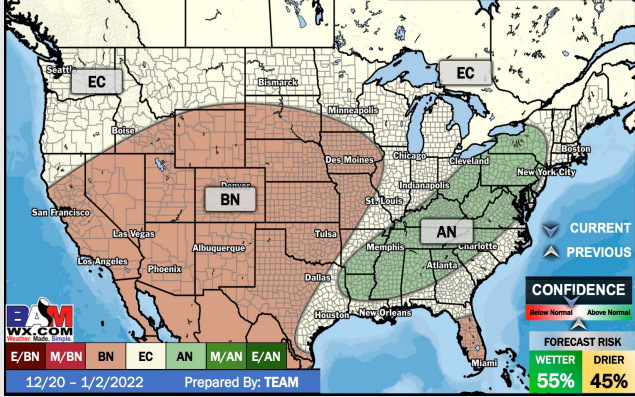
NWS WPC Total Precipitation [inches]  
Accum thru Wed 18Z14DEC2022 +[168]Hours | Init: 18Z07DEC2022



GEFS-D Ensemble Mean Precipitation Anomaly [%]  
7-DAY ACCUM Init: 06Z06DEC2022 Valid Tue 13DEC2022 thru Tue 20DEC2022



UPDATED: 12/6/22 WEEK'S 3/4 PRECIP DEPARTURE



- Minor, hit and miss light rain chances will be possible the next several days. Best chances overall come next Monday-Tuesday with temps staying above average.
- Week 2 is expected to be below normal for temperatures and below normal to near normal for rain chances for mid December.
- The weeks 3/4 timeframe looks to feature slightly below normal temperatures and equal chances for precipitation.