

Houston Pilots Forecast Package



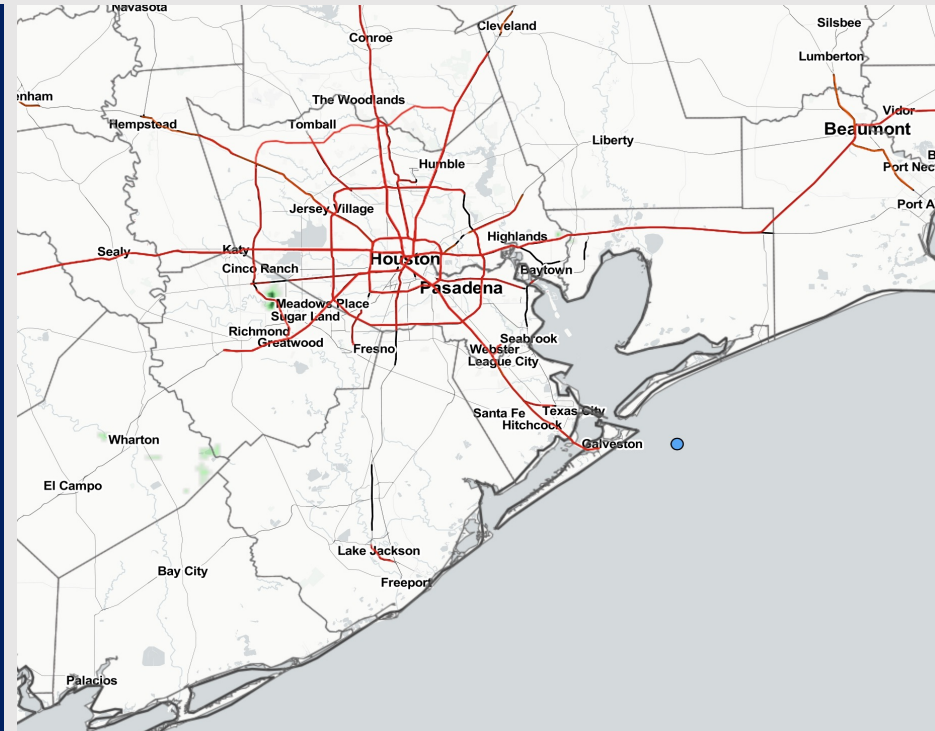
Updated: 2:00 PM CT

Wednesday, December 7, 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: 2:00 PM CT

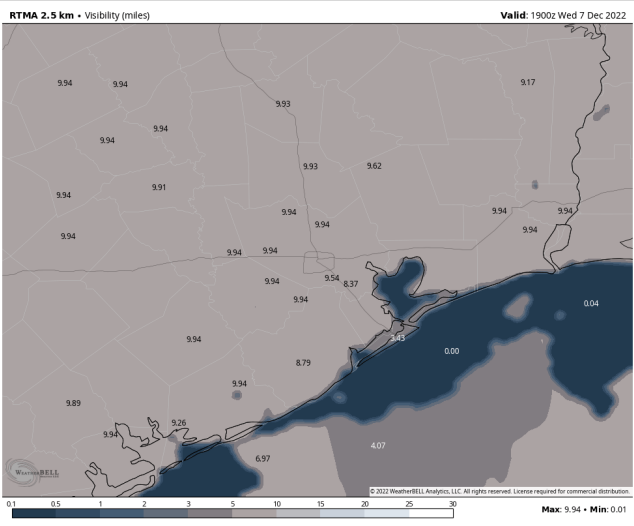


As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.

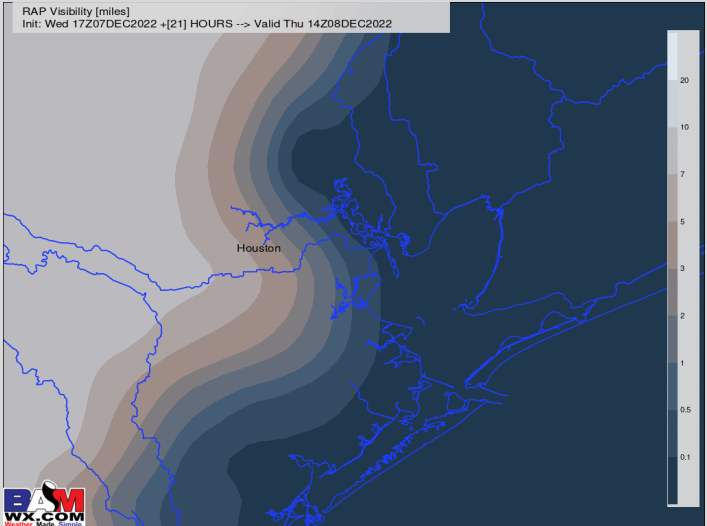
Houston Pilots Visibility Report



1:00 PM CT WED VISIBILITY



8 AM CT THU VISIBILITY



Confidence



Reduced Visibility Threat

Now - 12 PM THU

Medium - High

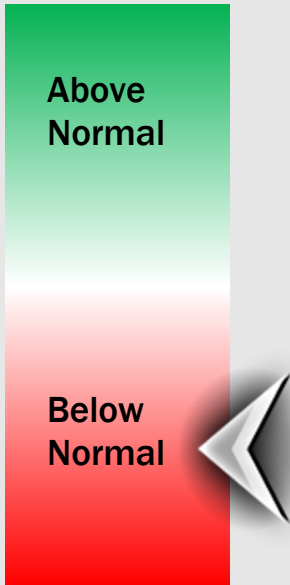
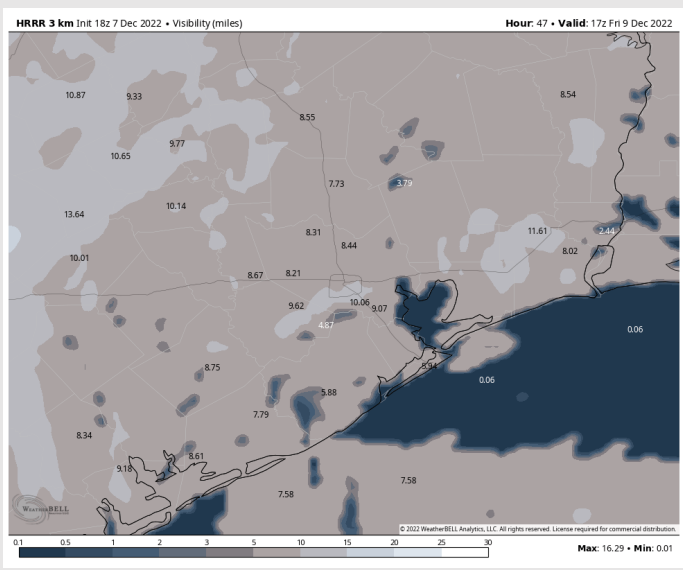
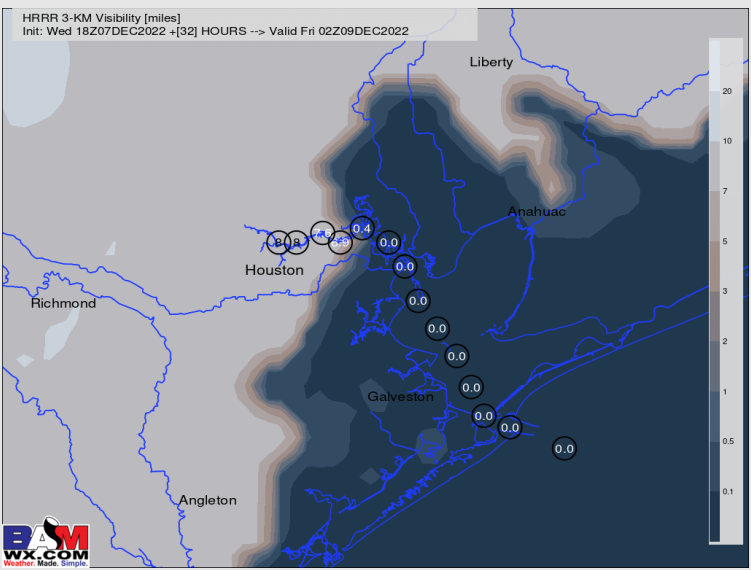
- Areas of patchy dense fog ongoing for stations south of Morgan's Point with visibilities less than 0.5 mile possible.
- From 2 - 6 PM, fog will be more patchy across stations 75/76 to the Boarding Station with the Boarding Station being the most at risk to see dense fog.
- After 6 PM, widespread dense fog will begin to move back into the region impacting all stations. Fog will be the most dense and widespread between Midnight and 10 AM Thursday.
- Between 10 AM and 12 PM Thursday, widespread fog will again begin to recede pulling away first from stations 610 Bridge through 75/76 and become more patchy for stations south of 75/76 as winds veer out of the East.

Houston Pilots Visibility Report



8 PM THU VISIBILITY 11 AM FRI CT VISIBILITY

Confidence



Reduced Visibility Threat
12 PM THU – 12 PM FRI Medium

- Between 12 PM and 6 PM Thursday, winds will be generally out of the East causing fog risk to be more patchy in nature.
- After 6 PM, winds will begin to shift out of the SE again causing fog to become more widespread impacting all stations.
- Confidence is still low, but favoring fog to become less dense and more patchy in nature after 9 AM with foggy conditions clearing out of the area after 12 PM Friday.
- Areas with visibilities less than 0.5 mile will be possible with this threat.

Houston Pilots Extended Range Visibility Report



Saturday 12/10/22

Elevated winds from the SE continue in the AM. By the afternoon, winds calm still from the SE. Fog chances will likely continue through the day Saturday.



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.



Monday 12/12/22

Timing of winds shifting back more out of the SE will have an impact on when fog will re-introduce itself, but as of now, Monday night will end the fog threats before the next front Tuesday.



Chance for Reduced Visibility

Saturday AM	Possible
Saturday PM	Unlikely
Sunday AM	Unlikely
Sunday PM	Unlikely
Monday AM	Possible
Monday PM	Possible

Houston Pilots Visibility Report



Time	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	Fri 12am			
610 Bridge	10	10	10	10	10	10	10	10	8	6	2	4	4	3	3	1	0.88	1	0.48	0.24	2	5	10	10	10	10	10	10	10	10	10	10	10	10	10	7	5	3	
Kinder 1	10	10	10	10	10	10	10	10	8	6	2	4	4	2	2	1	0.88	0.72	0.48	0.24	2	5	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	5	3
Greens Bayou	10	10	10	10	10	10	10	10	8	6	2	3	4	1	2	1	0.88	0.7	0.48	0.24	2	5	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	5	3
Shell Crude	10	10	10	10	10	10	10	10	8	6	2	3	4	1	2	1	0.72	0.48	0.48	0.24	2	5	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	5	3
Lynchburg Ferries	10	10	10	10	10	10	10	10	8	6	2	1	4	1	1	0.76	0.5	0.48	0.27	0.24	2	5	9	10	10	10	10	10	10	10	10	10	10	10	10	10	7	5	3
Exxon 3	10	10	10	10	10	10	10	10	7	3	2	1	0.89	0.24	0.48	0.48	0.43	0.43	0.24	0.24	1	4	7	10	10	10	10	10	10	10	10	10	10	10	10	10	6	4	3
Morgans Point	10	10	10	10	10	10	10	10	7	3	2	1	0.29	0.24	0.48	0.48	0.24	0.24	0.24	0.24	1	4	7	10	10	10	10	10	10	10	10	10	10	10	10	10	6	4	3
75/76	10	10	10	10	10	10	10	9	6	4	3	1	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.19	0.42	4	7	10	10	10	10	10	10	10	10	10	10	10	6	4	3	3
63/64	10	10	10	10	10	10	10	7	5	4	3	0.4	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.16	0.24	3	6	8	10	10	10	10	10	10	10	10	10	8	6	4	3	3	
51/52	9	10	10	10	10	10	9	7	4	4	3	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.16	0.24	3	5	8	8	9	8	9	10	10	10	10	8	6	4	3	3		
37/38	7	9	10	10	10	10	7	6	4	4	3	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.16	0.24	2	4	6	6	7	7	8	10	10	9	7	6	4	3	5			
25/26	6	8	10	10	9	9	6	5	4	4	2	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.16	0.24	2	4	6	6	6	6	8	10	10	8	6	5	4	5	7			
11/12	6	6	10	9	9	6	6	5	4	4	2	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.16	0.24	2	4	5	6	6	6	7	10	10	7	6	5	4	5	7			
1 & 2 Bravo	6	5	6	6	5	6	6	5	4	4	0.72	0.24	0.24	0.24	0.24	0.24	0.18	0.18	0.18	0.12	0.18	2	3	4	5	5	5	5	7	7	5	5	4	3	5	6			

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

Forecast Discussion

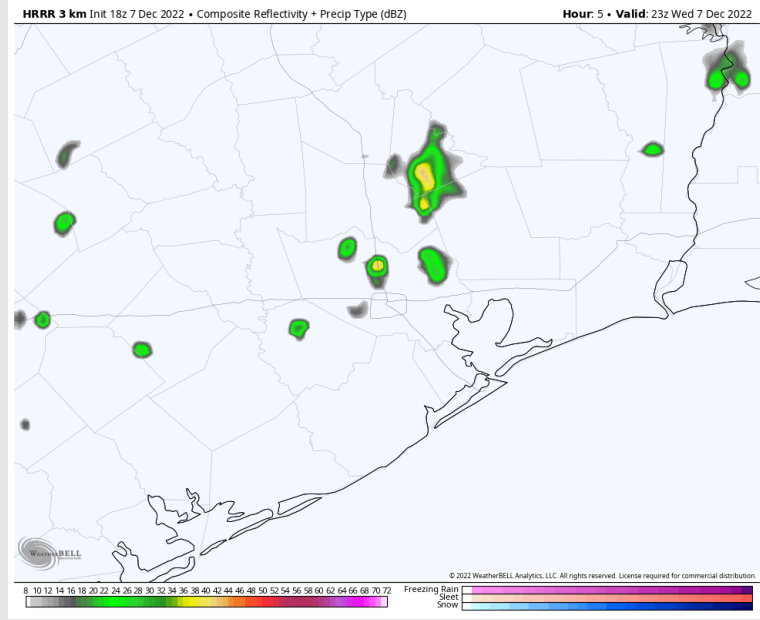
Precip: Wednesday looks to be similar with another shot of hit and miss pockets of drizzle and light rain showers possible for much of the day mainly after 10 AM. Again, not an all-day rain, but chances will stick around.

Wind: Sustained winds out of the S/SE throughout the day. 4 – 8 kts N of Morgan’s Point and 8 – 11 kts S of Morgan’s Point until 12 PM. After 12 PM and for the rest of the evening, winds for all stations are at 7 -12 kts.

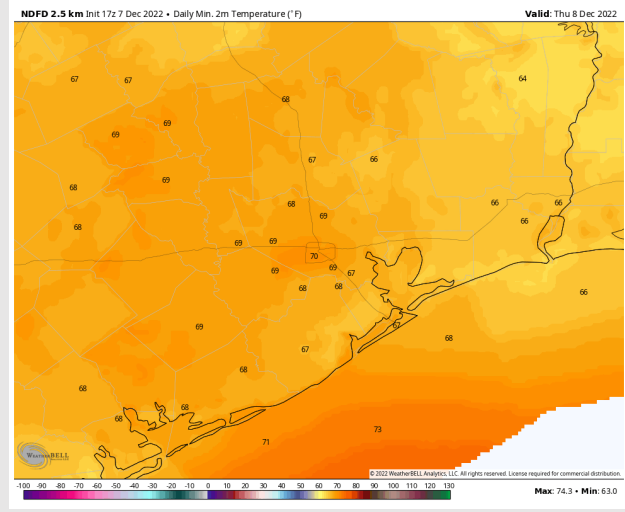
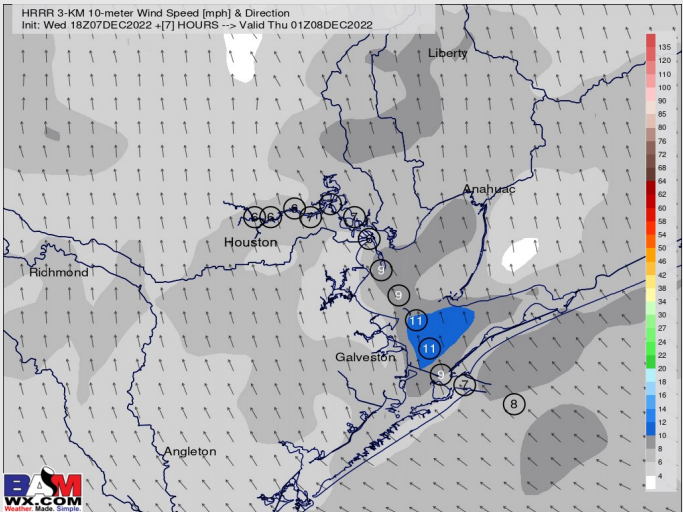
Temps: Low temps Thursday AM in the upper 60s F / near 70 F for all stations.

Visibility: Check slides above for more of a breakdown on the fog threat.

Precip Forecast: 5 PM CT



Wind Speed
7 PM CT



Low Temps
Thursday AM

Houston Pilots: Thurs. 12/8/2022

Forecast Discussion

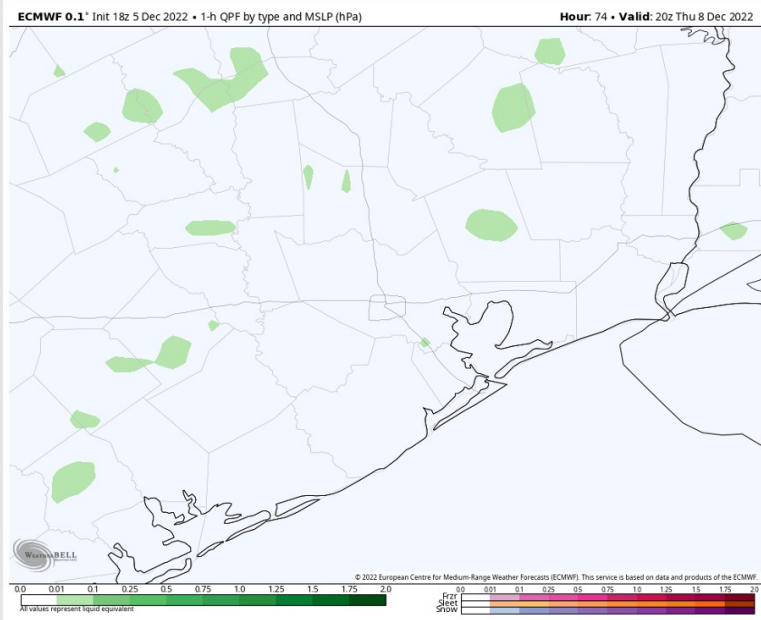
Precip: A slight chance (20%) for a few pockets of drizzle/ light showers during the 9 AM – 4 PM timeframe. This would amount to a few hundredths of an inch and is very spotty in coverage.

Wind: Sustained winds from the SE for Thursday. Winds will start out at 5 – 10 kts. By 5 PM, winds will range from 8-13 kts for the remainder of the afternoon and evening.

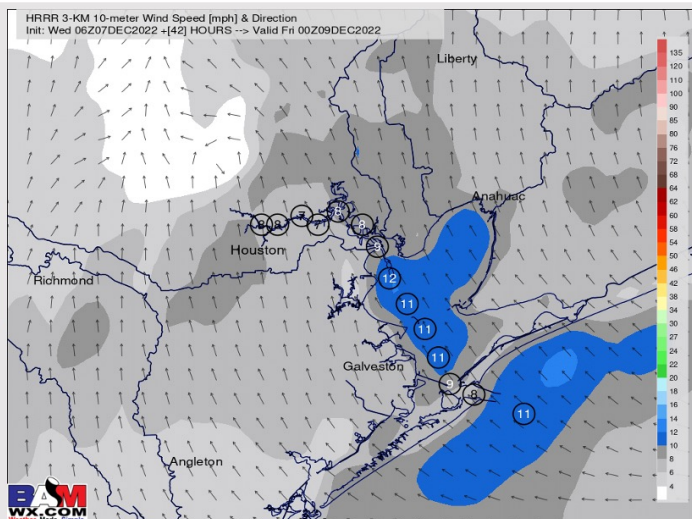
Temps: High temperatures will be near 80 F N of Morgan's Point and in the mid to lower 70s F S of Morgan's Point.

Visibility: Fog is likely in the morning, with fog continuing into the afternoon and evening hours. More details on the slides above.

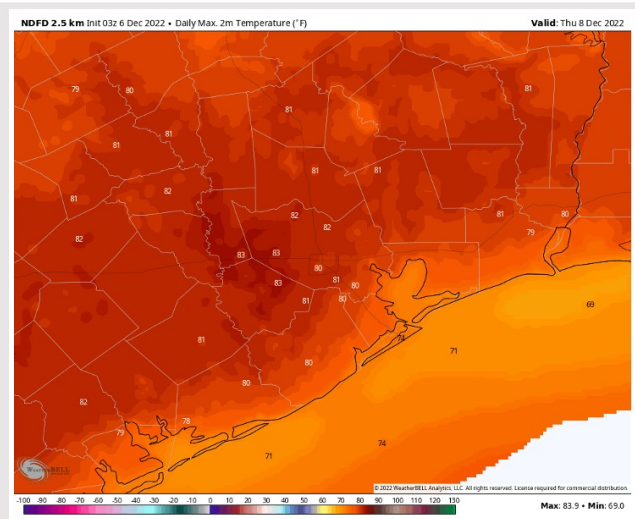
Precip Forecast: 2 PM CT



Wind Speed
6 PM CT



High Temps
Thursday



Forecast Discussion

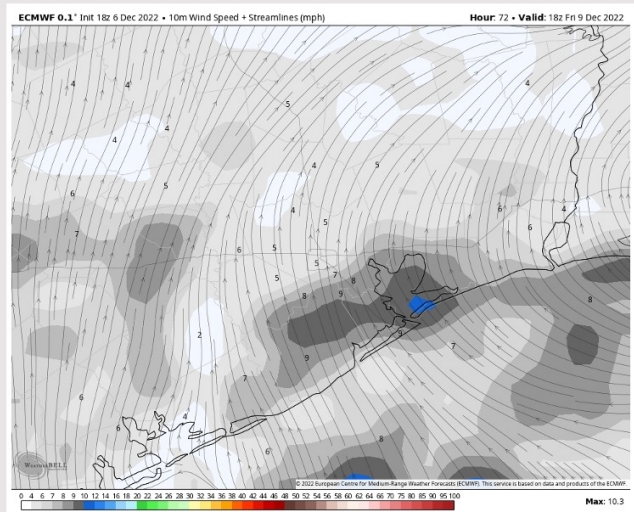
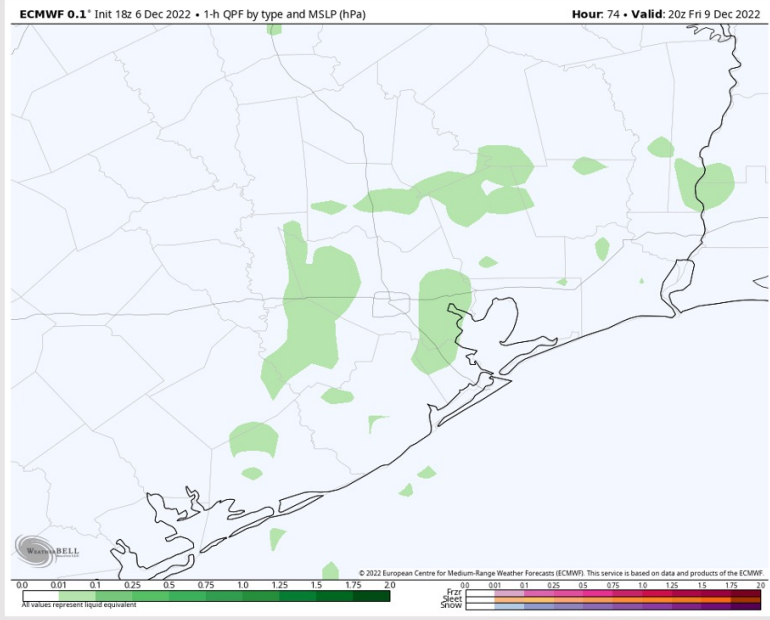
Precip Forecast: 2 PM CT

Precip: A 60% chance for hit and miss showers from daybreak out through mid-afternoon before precip looks to exit the area. Precip is expected to be rather hit and miss, and overall intensity rather light.

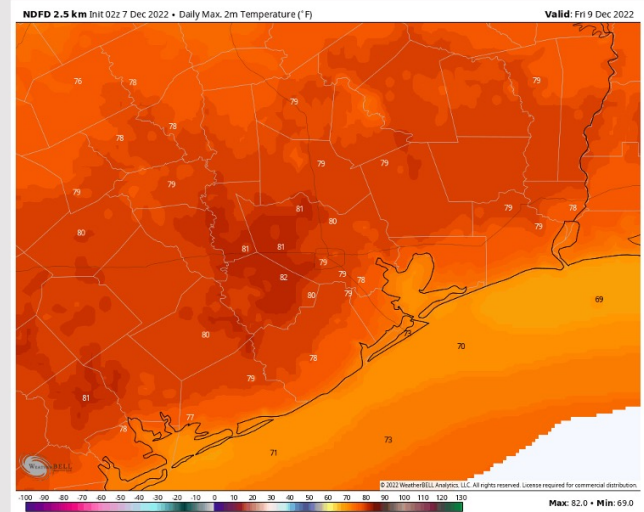
Wind: Winds will be out of the S/SSE for almost the entire day. Winds at the Boarding Station will sist 5 – 10 kts while all other stations are likely closer to 3 – 8 kts.

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 for the AM hours and early afternoon. Not seeing much of a signal that would suggest fog is not possible Friday morning and then continuing into the daytime hours Friday.



Wind Speed
12 PM CT

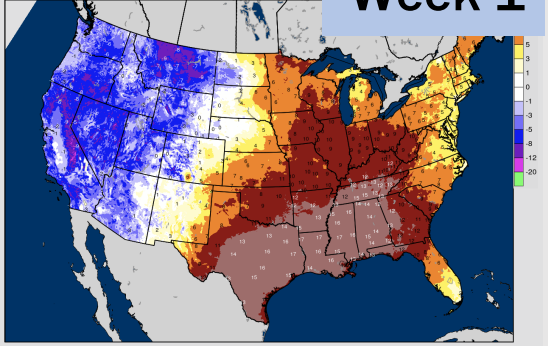


High Temps
Friday

Houston Pilots: 12/7/22

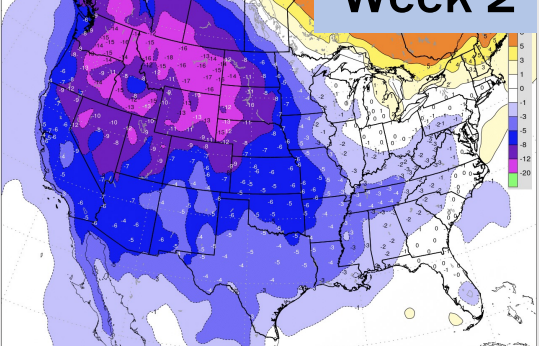
BAMCast Average Temperature Anomaly [°F]
7-DAY AVG for Wed 07DEC2022 thru Tue 13DEC2022 Days 1 to 7

Week 1

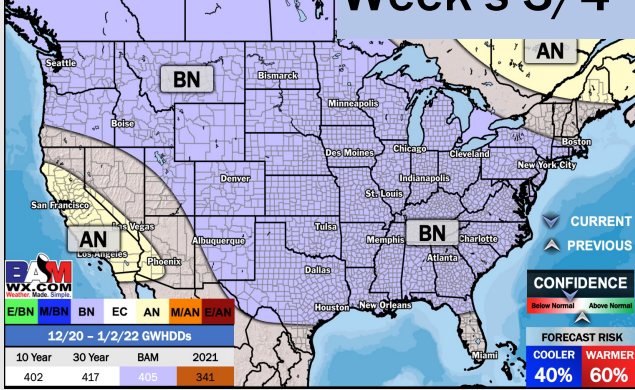


BAM EPS-GEFS 7-Day Average | 2-meter Temperature Anomaly [°F]
Init: Wed 00Z07DEC2022 +[336] HOURS -> Valid Wed 00Z11DEC2022

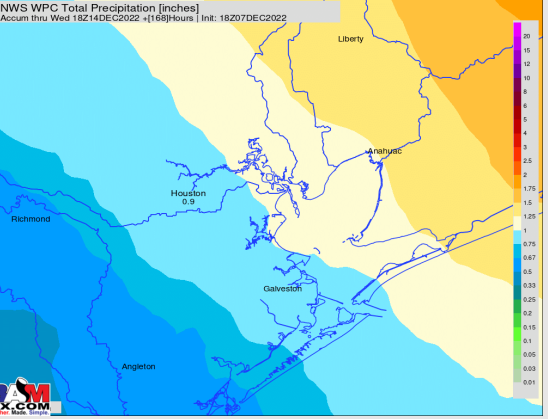
Week 2



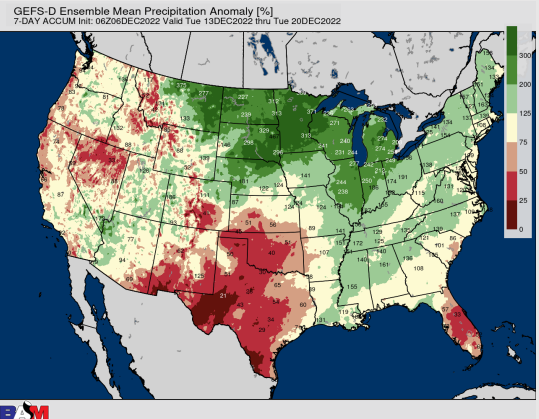
UPDATED: 12/6/22 WEEK'S 3/4



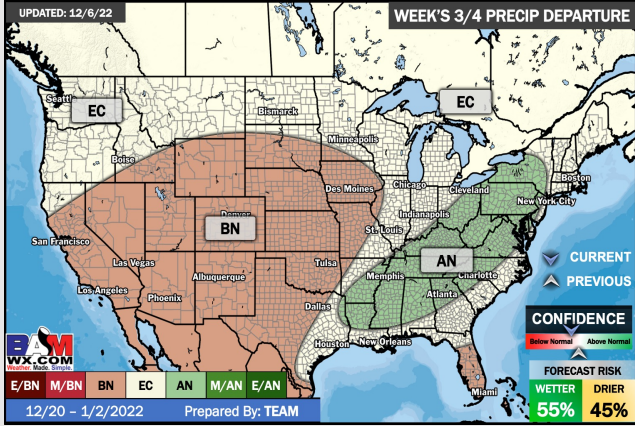
NWS WPC Total Precipitation [inches]
Accum thru Wed 18Z14DEC2022 +[168]Hours | Init: 18Z07DEC2022



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.