

Houston Pilots Forecast Package



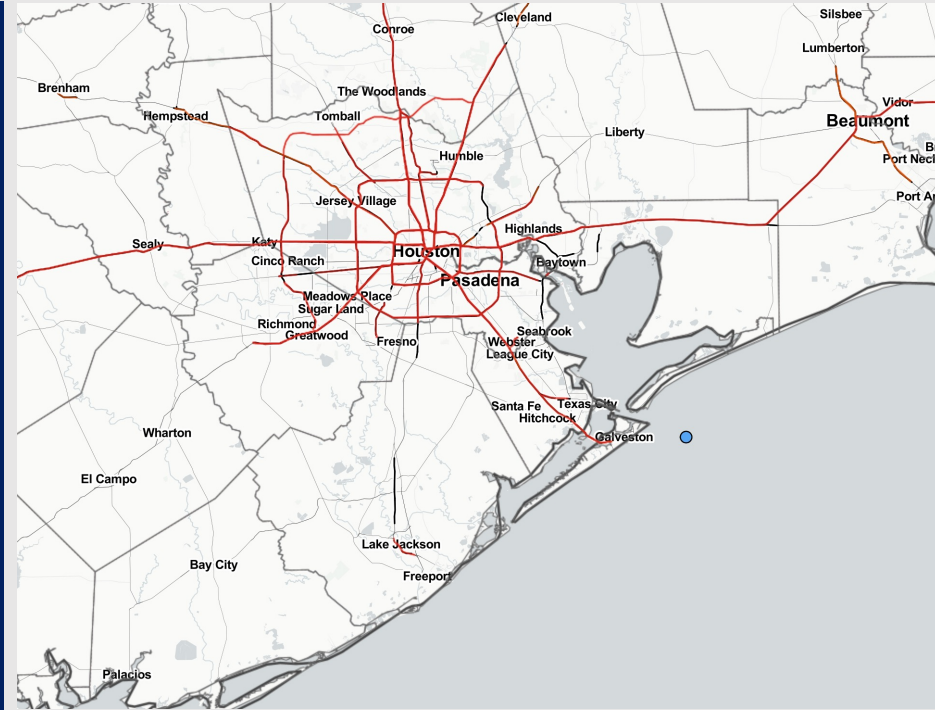
Updated: 2:00 PM CT

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. Tomorrow 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.**



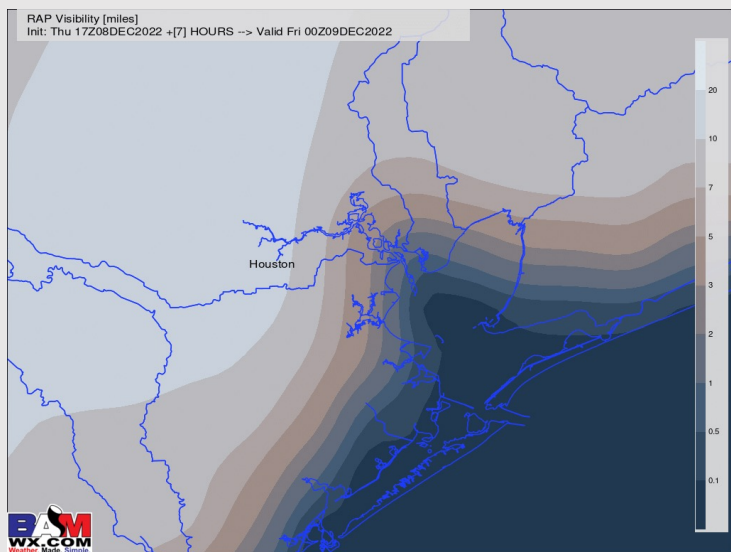
Radar/NWS Alerts: 2:00 PM CT



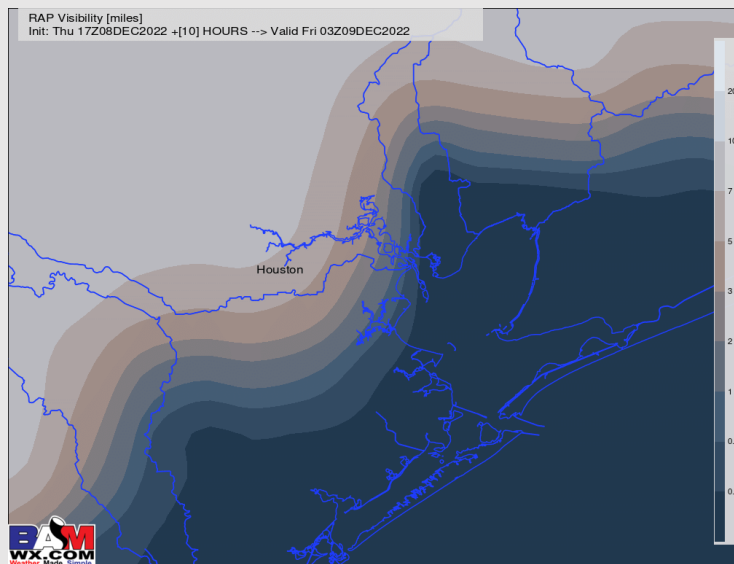
As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.

Houston Pilots Visibility Report

6 PM THU VISIBILITY



9PM THU CT VISIBILITY



Confidence

Above
Normal

Below
Normal

Reduced Visibility Threat

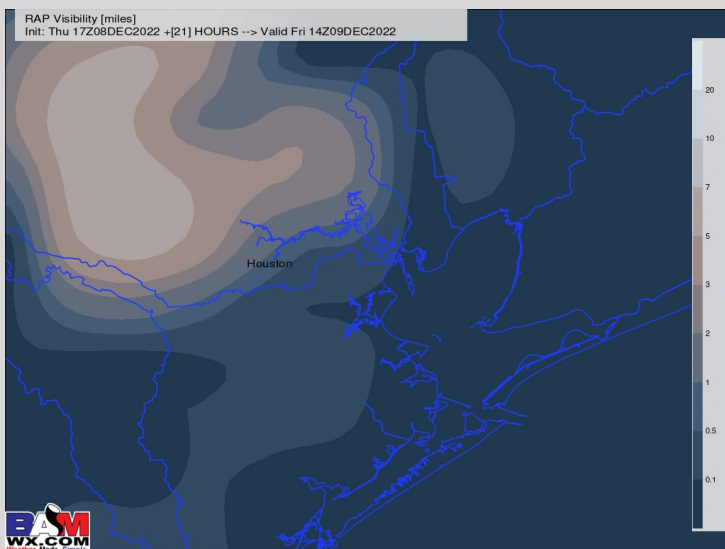
NOW – 12 AM FRI

Medium -
High

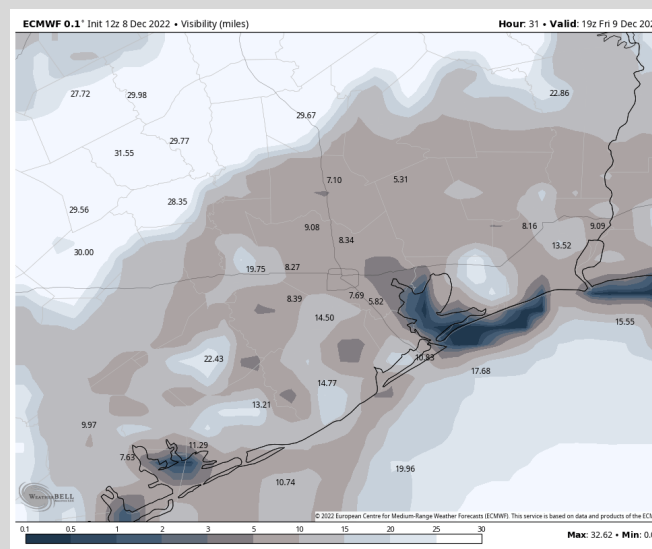
- Areas of patchy dense fog caused by winds out of the East will continue until 5 PM for all locations south of Morgan's Point with the more widespread fog being along the shoreline and in the Gulf, impacting stations 25/26, 11/12 and the Boarding Station.
- After 5 PM Thursday, winds will shift back out of the SE allowing for fog to again expand over the region becoming more widespread. The greatest risk for dense fog to creep north of Morgan's Point will begin around 10 PM, becoming the most dense around 12 AM where it will continue into Friday AM (See next slide)
- Areas with visibilities less than 0.5 mile will be possible with this threat.

Houston Pilots Visibility Report

8 AM CT FRI VISIBILITY



1 PM CT FRI VISIBILITY



Confidence

Above
Normal

Below
Normal

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, veering a bit more out of the East. The Boarding Station, 11/12 and 25/26 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 creep over the region, reaching Morgan's Point around 6 PM. All stations are risk for dense fog between 6 PM Friday and 12 AM Saturday. Confidence is low for exact coverage and timing at this distance.
- Anticipating 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 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	Fri 4pm	Fri 5pm	Fri 6pm	Fri 7pm	Fri 8pm	Fri 9pm	Fri 10pm	
610 Bridge	10	10	10	10	10	10	10	10	10	10	10	10	9	6	5	0.43	0.24	0.24	0.24	0.24	0.24	0.24	1	3	6	10	10	10	10	10	10	10	10	10	7	6	5
Kinder 1	10	10	10	10	10	10	10	10	10	10	10	10	9	6	4	0.29	0.36	0.36	0.47	0.59	0.36	0.36	1	3	6	10	10	10	10	10	10	10	10	10	7	6	5
Greens Bayou	10	10	10	10	10	10	10	10	10	10	10	10	8	6	3	0.29	0.52	0.52	0.6	0.79	0.52	0.52	2	4	6	10	10	10	10	10	10	10	10	10	7	6	6
Shell Crude	10	10	10	10	10	10	10	10	10	10	10	10	7	6	3	0.29	0.89	0.72	0.72	0.79	0.52	0.52	2	4	6	8	10	10	10	10	10	10	10	9	7	6	6
Lynchburg Ferries	10	10	10	10	10	10	10	10	10	10	10	10	7	3	0.29	0.29	0.89	0.85	0.85	0.79	0.52	0.52	2	4	6	8	10	10	10	10	10	10	10	8	7	6	6
Exxon 3	10	10	10	10	10	10	10	10	10	10	10	8	6	2	0.29	0.29	1	1	1	0.79	0.57	0.57	2	4	6	8	10	10	10	10	10	10	10	8	7	6	6
Morgans Point	10	10	10	10	10	10	10	10	10	10	10	7	4	1	0.29	0.29	3	5	5	4	4	4	4	4	6	8	10	10	10	10	10	10	10	8	8	6	6
75/76	10	10	10	10	10	10	10	10	10	10	9	6	4	0.53	0.29	0.29	3	5	5	3	3	3	3	4	6	8	9	10	10	10	10	10	10	8	7	6	6
63/64	10	10	10	10	10	10	10	10	10	10	9	6	4	0.29	0.29	0.29	2	4	4	2	2	2	2	3	6	7	8	8	10	10	10	10	10	8	6	6	6
51/52	9	10	10	10	10	10	10	10	10	10	8	4	2	0.29	0.29	0.29	1	2	2	1	1	1	1	3	4	6	7	8	10	10	10	10	10	8	6	4	4
37/38	8	10	10	10	10	10	10	10	10	10	5	4	0.29	0.29	0.29	0.29	0.48	0.8	0.8	0.87	1	0.73	1	2	4	6	6	7	8	10	10	10	10	8	6	4	4
25/26	6	9	10	10	10	10	10	10	10	9	3	1	0.29	0.29	0.29	0.29	0.24	0.24	0.24	0.24	0.75	0.52	0.52	2	4	6	6	7	7	10	10	10	8	6	4	4	
11/12	6	9	10	10	10	10	10	10	10	5	3	0.3	0.29	0.29	0.29	0.29	0.24	0.24	0.24	0.24	0.75	0.24	0.24	2	4	5	6	6	7	8	10	10	8	6	4	4	
1 & 2 Bravo	4	6	10	9	9	10	5	4	3	0.77	0.53	0.29	0.29	0.29	0.29	0.29	0.22	0.22	0.22	0.22	0.77	0.22	0.22	2	4	6	6	6	6	6	7	7	6	5	3	3	

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

The image contains two logos. On the left is the logo for BAM WX.COM, featuring the letters 'BAM' in a stylized font with a white 'A' and a black shadow, followed by 'WX.COM' in black and 'Weather. Made. Simple.' in blue and red below it. On the right is the logo for Houston Pilots, featuring a large red 'H' with a black outline and the text 'Houston Pilots' in white to its left.

Example

**Below
Normal**

Wind from the N

WS: 13
G:18
N

Time	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	Thu 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	Fri 4pm	Fri 5pm	Fri 6pm	Fri 7pm	Fri 8pm	Fri 9pm	Fri 10pm
610 Bridge	6	6	6	7	6	4	7	8	7	6	5	4	3	3	5	3	2	2	2	2	3	3	4	5	6	6	6	7	8	9	9	7	7	7	6	6
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	SW	SW	WSW	WSW	WNW	W	WSW	S	S	S	S	S	SSE	SSE	S	S	SSE	SSE	SSE	SSE	SE	SE	SSE	SSE	S	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Kinder 1	6	6	6	7	5	6	8	8	6	5	5	4	3	4	5	3	2	2	2	2	3	3	4	4	5	5	6	7	8	8	8	7	7	7	6	6
	9	10	11	10	8	10	14	15	15	14	15	15	10	14	13	5	5	4	4	3	3	4	5	7	7	8	9	10	11	11	10	11	11	10	11	11
	SSW	SW	WSW	SW	WNW	WSW	WSW	S	S	S	S	S	SSE	SSE	S	S	SSE	SSE	SSE	SSE	SE	SE	SSE	SSE	S	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Greens Bayou	5	7	6	7	8	8	7	6	5	5	5	5	5	5	5	2	2	2	2	2	2	3	4	4	5	5	6	8	8	9	9	7	7	6	6	6
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	SSW	SW	SW	SW	WNW	WSW	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	SSE	SSE	SSE	SE	SE	SE	SE	SSE	S	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Shell Crude	5	6	6	7	8	9	9	7	5	5	6	5	5	5	5	3	2	2	3	3	2	3	4	4	5	6	7	8	8	8	8	8	7	7	7	7
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Lynchburg Ferries	5	5	6	7	8	8	8	6	6	6	6	6	5	5	5	4	4	4	4	4	4	4	4	5	5	6	7	8	9	9	9	9	8	8	8	
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Exxon 3	5	5	6	7	9	10	11	9	6	6	6	6	5	5	5	4	4	4	4	4	4	4	5	5	5	6	7	8	9	9	9	9	9	8	8	8
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Morgans Point	7	7	7	9	9	12	13	11	9	8	7	7	6	5	4	4	4	3	3	3	3	4	5	5	5	6	7	8	9	9	8	8	8	8	8	8
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	SW	S	S	S	S	S	S	SE	SE	SSE	SSE	SSE	SSE	SSE	S	S	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	
25/26	7	8	7	9	9	9	10	7	7	8	9	8	7	7	6	5	5	5	4	4	4	5	5	6	6	6	7	7	7	7	7	8	9	9	9	10
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	SW	S	SSW	S	S	S	S	S	SSE	SE	SSE	SSE	SSE	SSE	S	S	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	
11/12	7	7	6	8	8	8	7	7	8	9	9	8	8	8	7	6	5	5	5	4	5	5	6	6	6	7	7	7	7	7	8	8	9	9	10	10
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	SSW	S	SSW	S	S	S	SSE	SE	SE	SE	SSE	SSE	SSE	SSE	S	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	
1 & 2 Bravo	5	4	4	6	7	8	8	7	7	9	9	10	9	9	8	7	6	6	5	4	5	5	6	6	6	7	7	7	7	7	8	9	9	10	10	10
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	SE	ESE	E	ESE	SE	SE	SE	SE	ESE	ESE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	

Houston Pilots: Thurs. 12/8/2022

Forecast Discussion

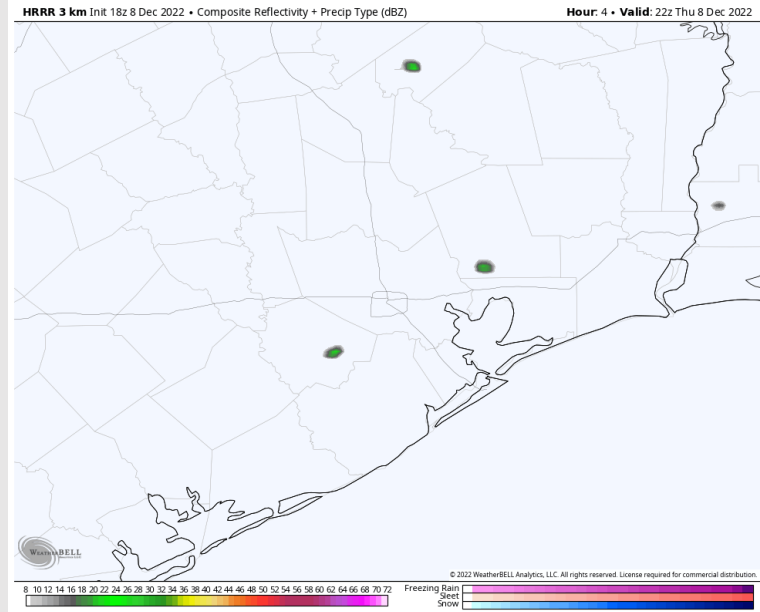
Precip: A slight chance (10%) for a brief pocket of drizzle/ light showers until 4 PM. Favoring mostly dry conditions for the rest of the evening.

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.

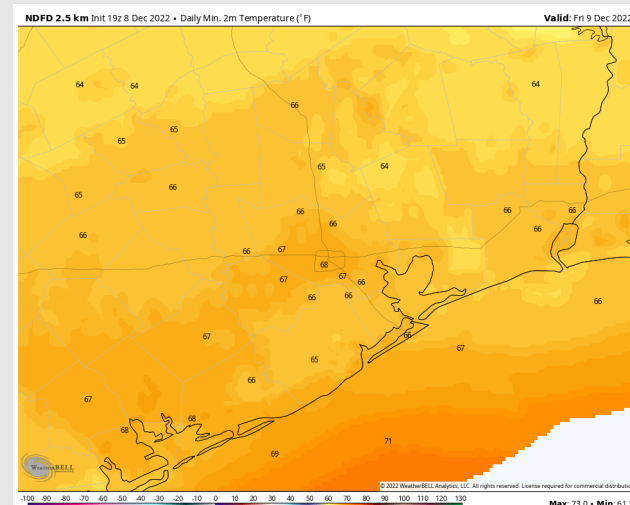
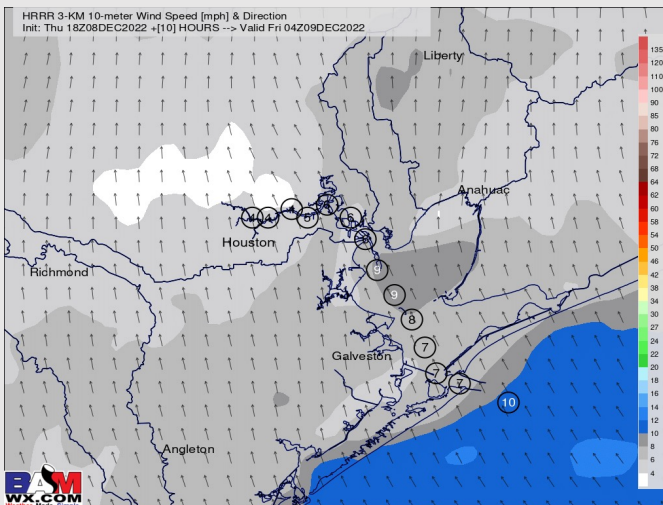
Temps: Low temps Friday morning in the upper to mid 60s F for all stations.

Visibility: Patchy dense / widespread dense fog will again be possible this evening and through the overnight. More details on the slides above.

Precip Forecast: 4 PM CT



Wind Speed
10 PM CT



Low Temps
Friday AM

Houston Pilots: Fri. 12/9/2022

Forecast Discussion

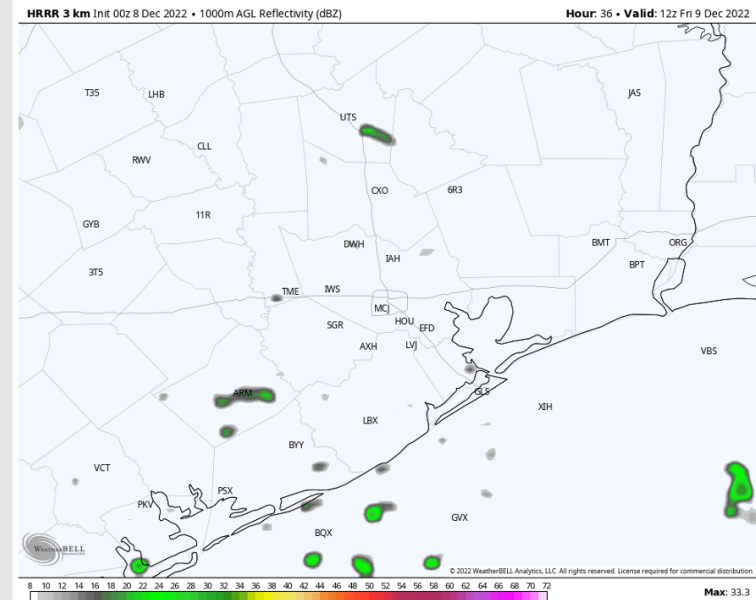
Precip: A 20% chance for isolated showers will be possible from the 6 AM – 6 PM timeframe Friday. Pockets of precip is expected to be hit and miss and rather light in terms on intensity, with higher intensity rains staying north and west of HOU.

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.

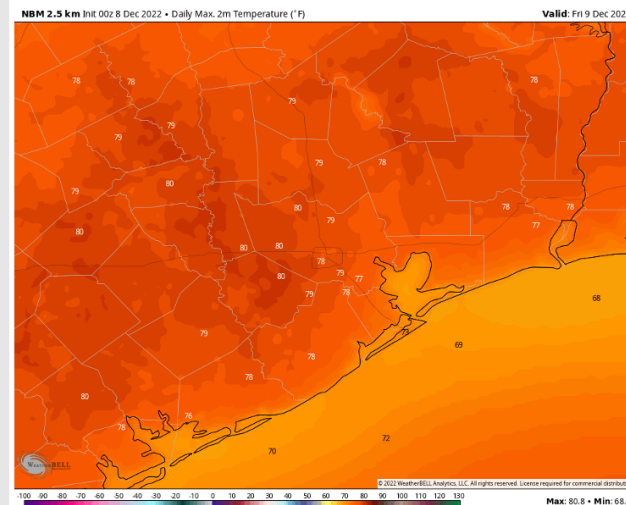
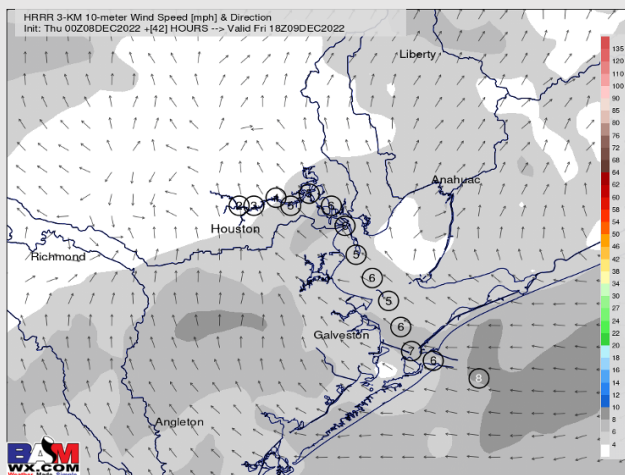
Temps: High temps Friday will be in the mid to upper 70s F north of the Boarding Station, and around 70 F at the Boarding Station.

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

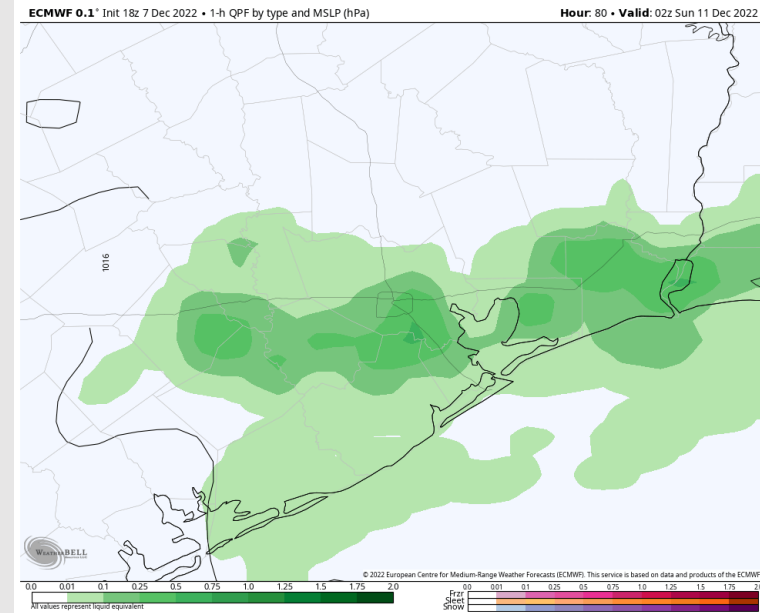
Precip: Dry conditions until 12 PM on Saturday. From 12-5 PM, 30% chance of scattered showers/storms around the area, with coverage increasing to 70-80% after 5 PM and continuing throughout the rest of the evening.

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.

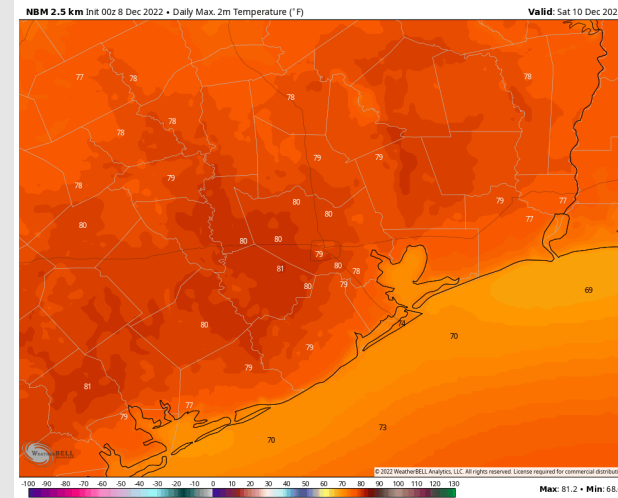
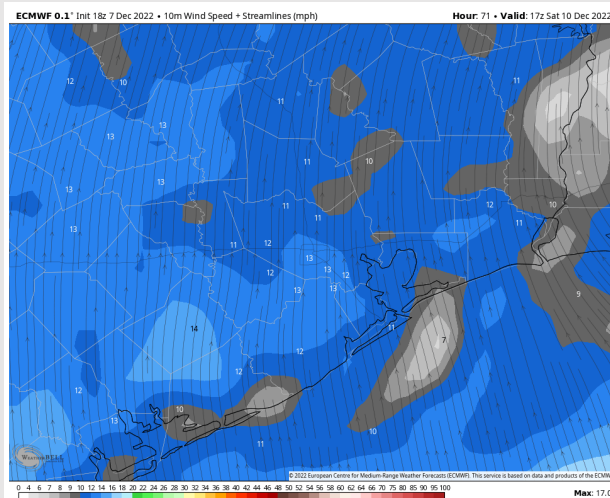
Temps: High temperatures for Saturday will be near 80 F/high 70's north of the boarding station and low 70's near the boarding station.

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

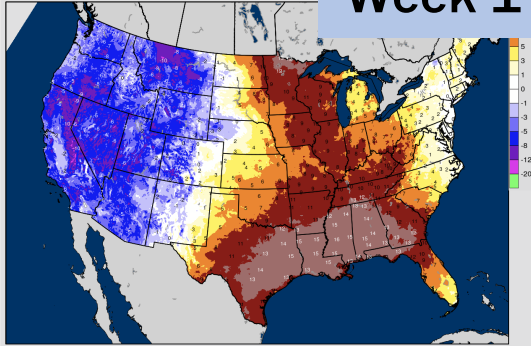


High Temps
Saturday

Houston Pilots: 12/8/22

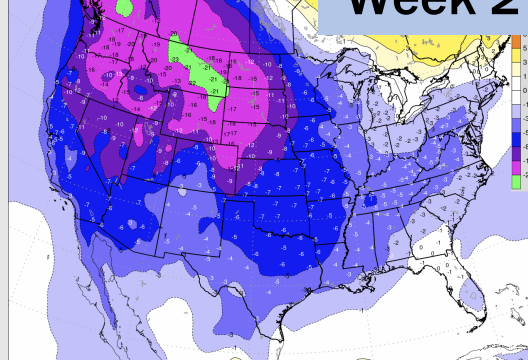
BAMcast Average Temperature Anomaly [°F]
7-DAY AVG for Thu 08DEC2022 thru Wed 14DEC2022 Days 1 to 7

Week 1



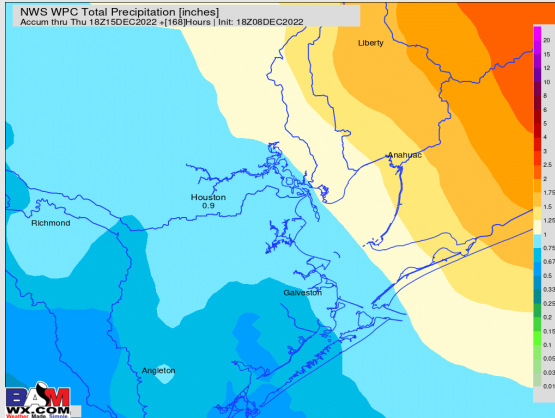
BAM EPS-GFS 7-Day Average | 2-meter Temperature Anomaly [°F]
Init: Thu 00Z08DEC2022 -[336] HOURS -> Valid Thu 00Z22DEC2022

Week 2

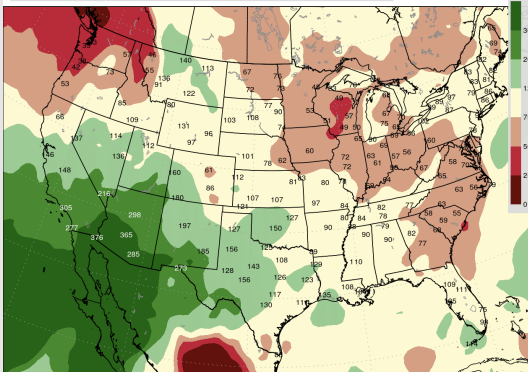


This service is based on data European Centre for Medium-range Weather Forecasts (ECMWF)

NWS WPC Total Precipitation [inches]
Accum thru Thu 18Z15DEC2022 +[168] Hours | Init: 18Z08DEC2022



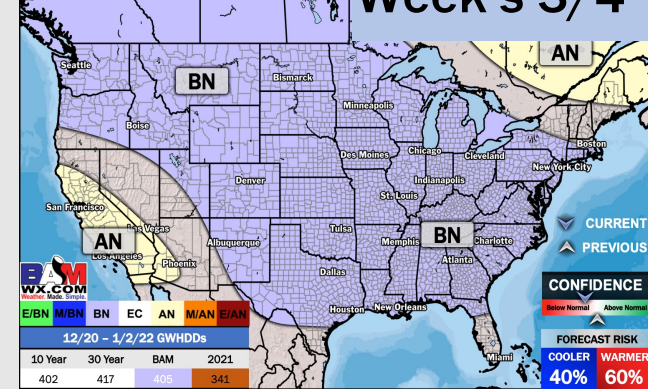
ECMWF EPS 7-Day Precipitation [% of Normal] | Ensemble Mean
Init: Thu 00Z08DEC2022 -[360] HOURS -> Valid Fri 00Z23DEC2022



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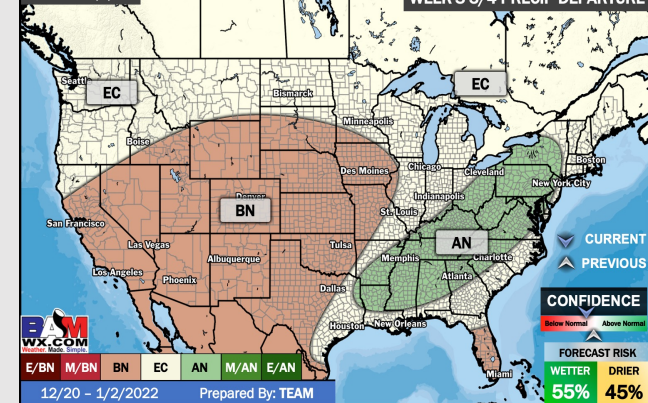
UPDATED: 12/6/22

Week's 3/4



UPDATED: 12/6/22

Week's 3/4 PRECIP DEPARTURE



- Minor, hit and miss light rain chances will be possible over the weekend with better rain chances moving in towards the end of next week. Anticipating temps staying above average.
- Week 2 is expected to be below normal for temperatures and near normal for rain chances for mid December.
- The weeks ³/₄ timeframe looks to feature below normal temperatures and equal chances for precipitation.