

Houston Pilots Forecast Package



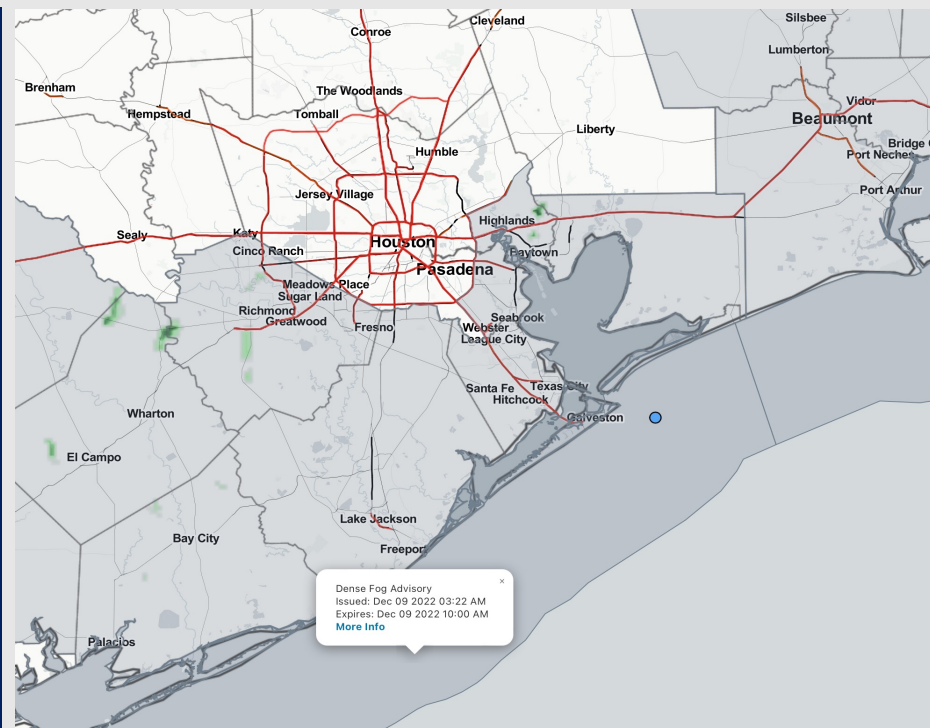
Updated: 5:00 AM CT

Friday, December 9, 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 two days. Winds will be generally out of the ESE/SE and continue at this direction for the next two days. Anticipating today 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.**



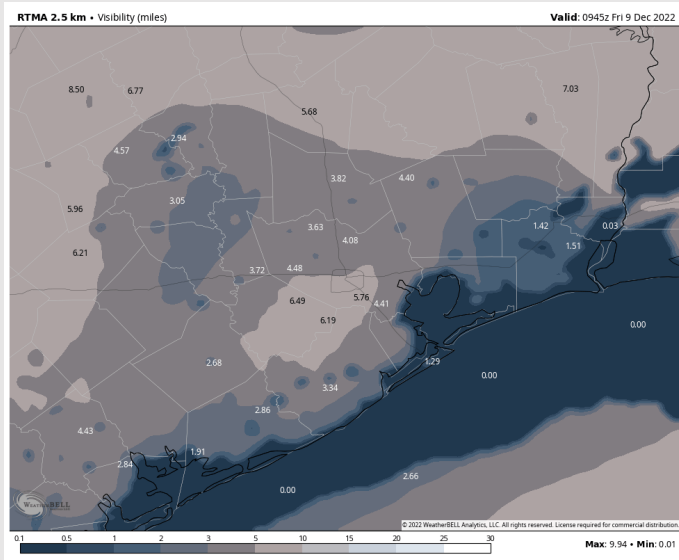
Radar/NWS Alerts: 4:30 AM CT



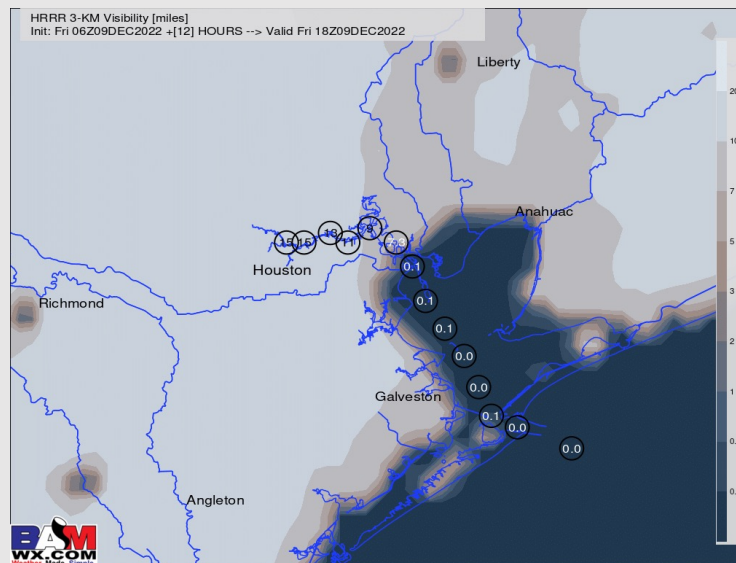
As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.

Houston Pilots Visibility Report

3:45 AM - CURRENT VISIBILITY



12 PM FRI CT VISIBILITY



Confidence

Above
Normal

Below
Normal

Reduced Visibility Threat

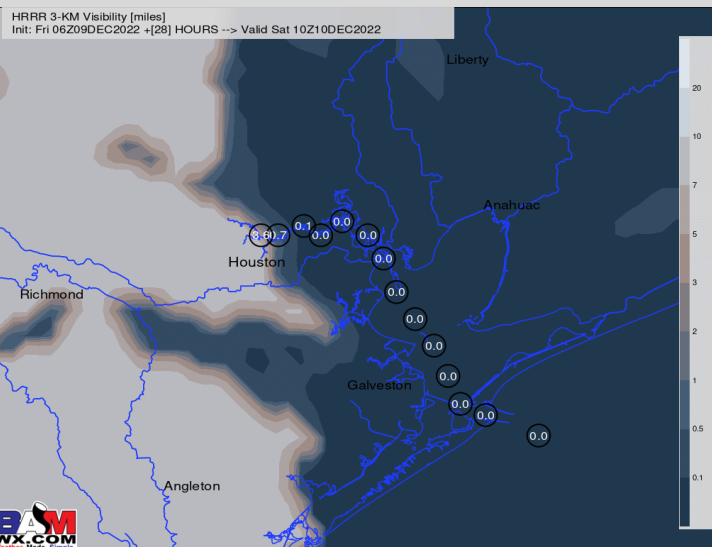
NOW – 12 AM SAT

Medium -
High

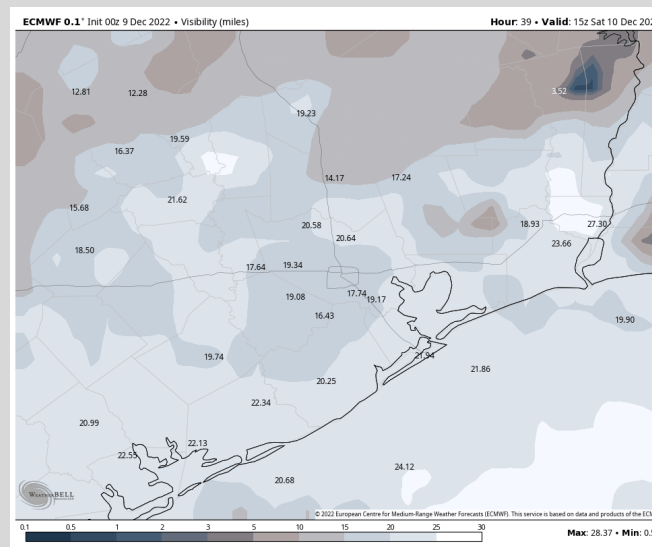
- Anticipating areas of widespread fog to continue until 10 AM. After 10 AM, fog will begin to recede away from stations North of Morgan's point and will gradually become more patchy until 4 PM for stations South of Morgan's Point. The Boarding Station will be at the greatest risk for seeing continued dense fog.
- After 4 PM, patchy fog will start to become more widespread, gradually expanding towards stations north of Morgan's Point by 9/10 PM. Widespread dense fog will continue to impact all stations until 6/7 AM Saturday with the greatest risk coming after midnight.
- Reduced visibility below 0.5 mile will be a risk associated with this fog potential.

Houston Pilots Visibility Report

4 AM CT SAT VISIBILITY



9 AM CT SAT VISIBILITY



Confidence

Above
Normal

Below
Normal

Reduced Visibility Threat

12 AM SAT - 9 AM SAT

Medium -
High

- Fridays fog will likely carry over into Saturday with the greatest risk for dense fog being between 12 AM and 6/7 AM.
- Confidence is still low, however favoring fog to begin to work out of the area after 7 AM Saturday, clearing out by 9 AM.
- Favoring region to remain clear for the rest of the day as showers / storms and elevated winds work into the area getting further into the evening.

Houston Pilots Extended Range Visibility Report



Monday 12/12/22

Lower confidence on exact details of fog potential into Monday AM as guidance is pretty spread on how far south a weak front can work. As of now, we are going to favor at least the chance for fog.



Wednesday 12/14/22

Anticipating winds to shift to out of the NW Wednesday thanks to a passing cold front. This will (finally!) bring an end to fog potential.



Tuesday 12/13/22

Anticipating winds to remain out of the SW pending an approaching front. Wind speeds may have a big factor on fog formation as they will definitely be on the edge of being “too strong” for fog (something that needs fine tuned). The signal for widespread fog both Monday and Tuesday is not nearly as strong as it was over the past several days, thus leading to some lower confidence.



Chance for Reduced Visibility	
Monday AM	Possible
Monday PM	Unlikely
Tuesday AM	Possible
Tuesday PM	Possible
Wednesday AM	Unlikely
Wednesday PM	Unlikely

Houston Pilots Visibility Report



Time	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	Fri 11pm	Sat 12am	Sat 1am	Sat 2am	Sat 3am	Sat 4am	Sat 5am	Sat 6am	Sat 7am	Sat 8am	Sat 9am	Sat 10am	Sat 11am	Sat 12pm	Sat 1pm	Sat 2pm
610 Bridge	8	8	8	7	7	7	8	9	10	10	10	10	10	10	10	10	10	10	8	6	6	6	4	1	0.48	0.24	0.24	0.24	0.37	0.24	6	10	10	10	10	10
Kinder 1	8	8	8	7	7	7	8	9	10	10	10	10	10	10	10	10	10	10	8	6	6	6	4	1	1	2	2	2	0.8	1	7	10	10	10	10	10
Greens Bayou	8	8	8	7	7	7	8	9	10	10	10	10	10	10	10	10	10	10	8	6	6	6	4	1	3	4	4	4	1	1	7	10	10	10	10	10
Shell Crude	8	8	8	7	7	7	8	9	10	10	10	10	10	10	10	10	10	10	8	6	6	6	4	0.59	3	8	8	8	3	1	7	10	10	10	10	10
Lynchburg Ferries	8	8	7	7	7	7	8	9	10	10	10	10	10	10	10	10	10	10	8	6	6	5	4	0.72	3	8	8	8	3	1	7	10	10	10	10	10
Exxon 3	8	7	7	7	7	7	8	9	10	10	10	10	10	10	9	10	10	10	8	6	6	5	4	0.59	4	8	8	8	3	1	7	10	10	10	10	10
Morgans Point	8	7	7	7	7	7	7	8	10	10	9	9	9	10	9	10	10	10	8	6	6	5	4	1	5	8	8	8	5	2	8	10	10	10	10	10
75/76	7	7	7	7	7	7	7	8	10	10	10	10	10	10	10	10	10	10	8	6	6	5	4	4	6	8	8	8	5	3	8	10	10	10	10	10
63/64	7	7	7	7	7	6	3	7	9	10	10	10	10	10	9	10	10	9	8	6	6	5	4	5	8	8	8	8	5	5	7	10	10	10	10	9
51/52	7	7	7	1	1	0.09	1	7	8	10	10	10	10	10	9	10	10	8	7	6	6	5	4	6	8	8	8	8	6	6	6	9	10	10	10	9
37/38	0.61	1	0.48	0.08	0.06	0.06	0.06	5	7	9	10	10	10	10	9	9	9	8	7	7	6	5	5	8	8	8	8	8	7	7	7	8	10	9	9	8
25/26	0.61	0.19	0.12	0.06	0.06	0.06	0.06	1	7	8	9	10	10	10	8	1	7	8	8	8	7	6	7	8	8	8	8	8	8	8	8	8	10	9	9	7
11/12	0.06	0.06	0.02	0.02	0	0	0.06	0.06	0.88	7	7	8	8	8	7	0.64	8	8	8	8	7	6	7	8	8	8	8	8	8	8	8	8	10	9	8	7
1 & 2 Bravo	0.06	0.04	0	0	0	0	0.06	0.05	0.06	0.06	0.07	0.07	0.09	0.06	0.03	0.53	8	8	8	7	6	4	8	8	8	8	8	8	8	8	8	8	9	7	7	7

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

Houston Pilots Wind Report



Example

Sustained wind 13 Knots
Gusts 18 Knots
Wind from the N

WS: 13
G:18
N

Time Knots	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	Fri 11pm	Sat 12am	Sat 1am	Sat 2am	Sat 3am	Sat 4am	Sat 5am	Sat 6am	Sat 7am	Sat 8am	Sat 9am	Sat 10am	Sat 11am	Sat 12pm	Sat 1pm	Sat 2pm
610 Bridge	3	1	2	3	3	4	5	4	4	5	6	5	5	6	7	7	6	6	6	5	5	5	5	4	4	4	4	4	4	5	6	7	7	8	8	9
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	SW	NNW	SE	S	SSE	SSW	SSW	SSW	S	SW	SSW	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SSE	SSE	SSE	
Kinder 1	3	1	2	3	3	4	5	4	4	5	6	5	5	6	6	7	6	6	5	5	5	5	4	4	4	4	5	4	4	5	6	6	7	7	9	
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	SW	NNW	SSE	S	SSE	SSE	SSW	SSW	SSW	S	SW	SSW	S	ESE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SE	
Greens Bayou	3	2	2	3	3	4	4	4	4	5	6	6	7	7	7	7	7	6	5	5	5	5	4	4	4	4	4	5	4	5	5	6	7	7	8	9
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	SSW	SE	S	S	SSE	SSE	S	SSW	SSW	S	SSW	SSE	SE	SE	SE	SSE	SSE	SE	SSE	SE	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	
Shell Crude	3	2	2	3	4	4	4	4	5	5	6	6	7	7	7	7	6	6	5	5	5	5	5	5	5	5	5	5	5	5	6	6	7	7	8	9
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Lynchburg Ferries	2	2	2	3	4	4	4	5	5	5	6	6	7	7	7	8	8	7	7	7	7	7	7	7	7	6	7	6	7	6	7	7	7	8	8	9
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	SSW	SE	SSW	SSE	SSE	SSE	SSE	S	S	SSE	SSE	SSE	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	SSE	SE	SSE	SE	SE
Exxon 3	2	2	2	3	4	5	4	5	5	5	6	6	7	8	8	8	8	7	7	7	7	7	7	7	7	6	7	6	7	6	7	7	7	8	8	9
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Morgans Point	2	3	3	4	5	6	7	5	4	6	6	7	8	10	10	8	7	7	7	7	7	7	7	7	7	6	6	6	6	7	7	7	7	8	9	
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75/76	2	4	4	4	5	6	7	5	4	7	8	9	10	10	10	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	9
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63/64	2	4	4	4	5	6	6	5	4	7	8	9	10	10	10	7	7	7	7	8	8	8	7	7	7	7	7	7	7	7	7	7	8	8	9	9
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25/26	2	5	4	5	4	3	4	4	4	4	5	6	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	7	8	8	8	8	8	8	9	9
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11/12	3	6	6	5	6	4	4	5	5	4	4	6	6	6	7	8	8	8	8	9	9	9	9	8	8	8	8	8	8	8	8	8	8	8	9	9
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1 & 2 Bravo	5	7	6	5	6	6	5	4	4	4	3	4	5	7	8	8	8	9	9	9	9	9	9	9	9	8	8	8	9	8	8	8	8	8	9	9
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	SSW	SSE	SSE	SSE	SE	SE	SE	SE	SE	ESE	ESE	ESE	E	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	SE	SE	SE	ESE	ESE	ESE	ESE	

Houston Pilots: Fri. 12/9/2022

Forecast Discussion

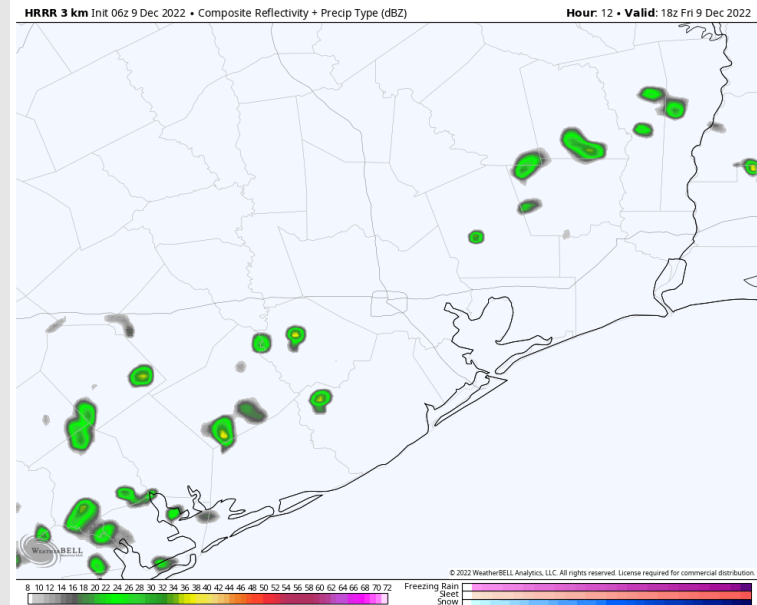
Precip: A 20% chance for scattered showers will be possible from the 6 AM – 6 PM timeframe Friday. Pockets of rain expected to be hit and miss and rather light in terms on intensity, with higher intensity rains staying north and west of HOU.

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

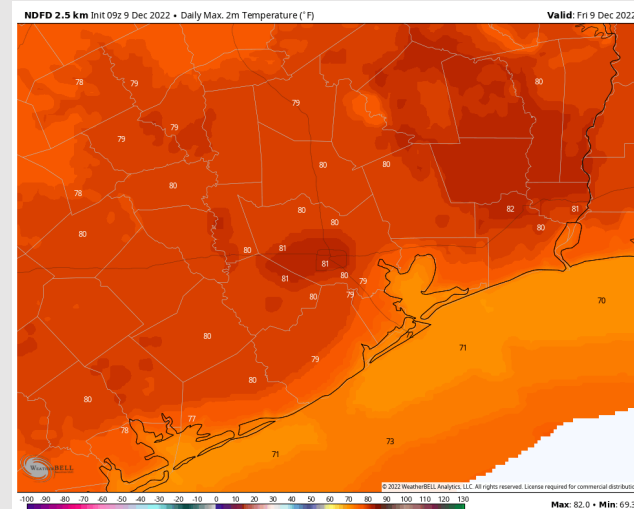
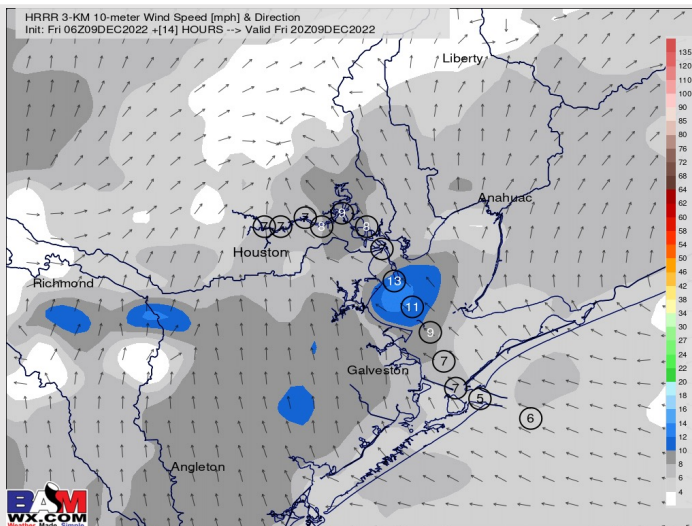
Temps: High temps Today in the upper 70s F for most stations including the boarding station. Temps near 80 F around HOU Metro.

Visibility: Patchy and perhaps dense fog will certainly be once again possible for throughout the day today. More details in the slides above.

Precip Forecast: 12 PM CT



Wind Speed 2 PM CT



High Temps Friday

Houston Pilots: sat. 12/10/2022

Forecast Discussion

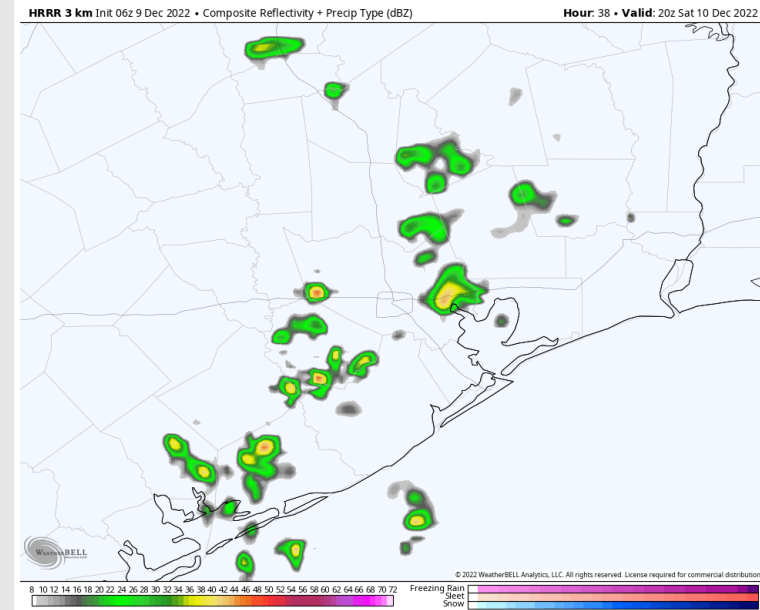
Precip: Dry conditions until 12 PM on Saturday. From 12 - 2 PM, 20-30% chance of scattered showers/storms around the area, with coverage increasing to 70-80% after 2 - 6 PM and continuing throughout the rest of the evening.

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 6 PM, winds will calm down to 2-7 kts throughout the rest of the evening.

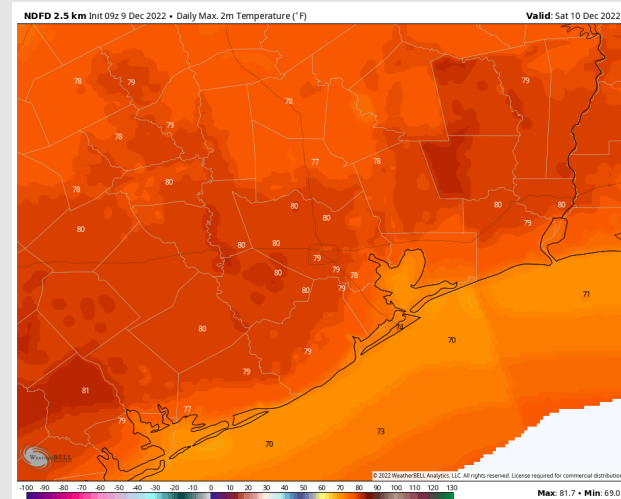
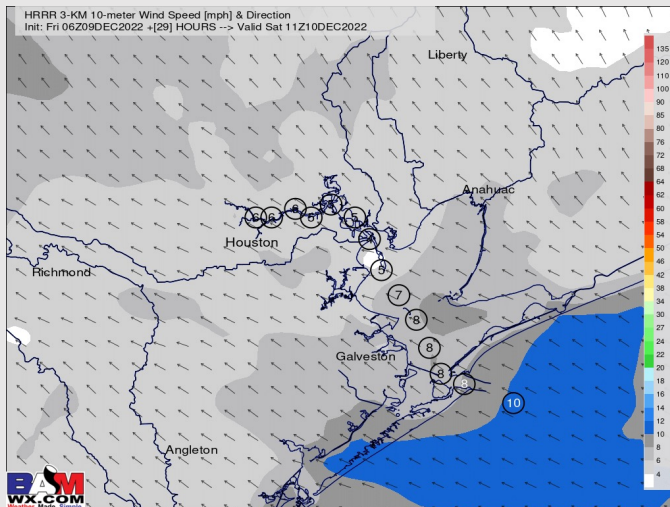
Temps: High temperatures for Saturday will be near 80 F/high 70's north of the boarding station and low 70's near the boarding station.

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
5 AM CT



High Temps
Saturday

Houston Pilots: Sun. 12/11/2022

Forecast Discussion

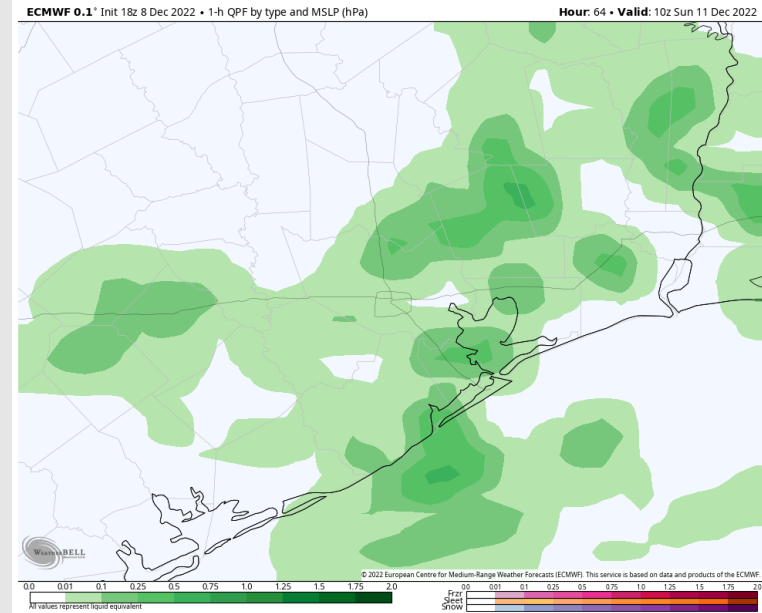
Precip: Favoring a 70-80% chance for scattered showers/storms until 7 AM CT. After 7 AM favoring chances for scattered showers/storms to decrease to 20-40% until 9 AM CT. After 9 AM CT anticipating dry conditions until around 3 PM CT. After 3 PM CT favoring a 10-20% chance for an isolated shower/storm until around 4 PM CT. After 4 PM CT, favoring dry conditions for the rest of the day.

Wind: Winds variable throughout the day Sunday. Sustained winds of 4-10 kts will be possible throughout the day Sunday.

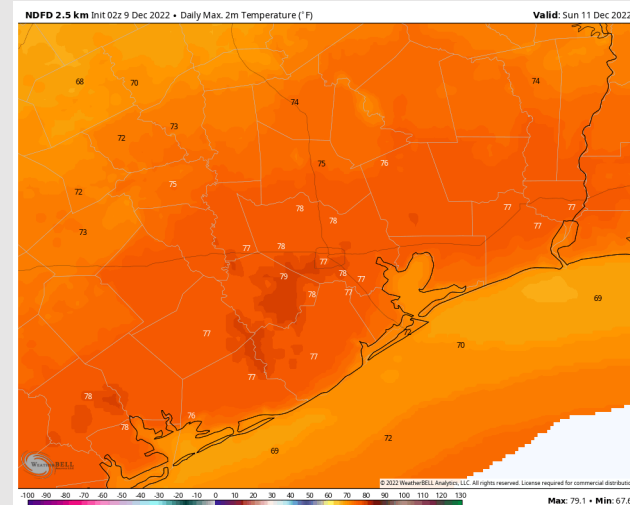
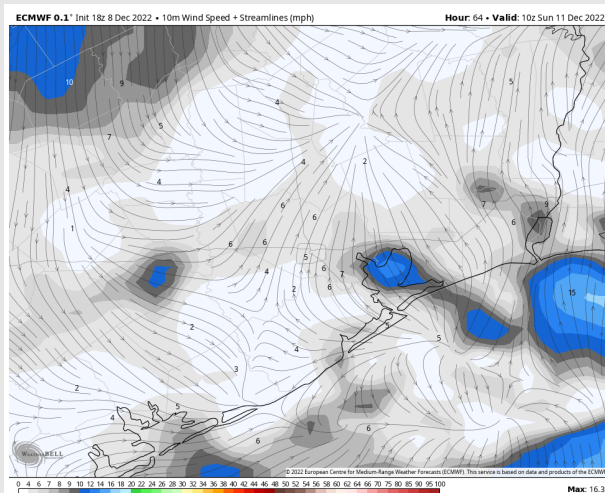
Temps: High temps Sunday will be in the low 70s F near the boarding station and in the mid 70s F at all other locations

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 AM CT



Wind Speed
4 AM CT

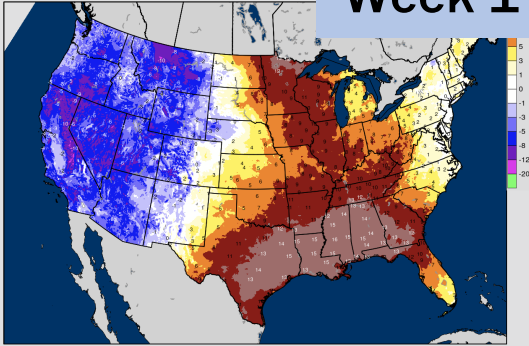


High Temps
Sunday

Houston Pilots: 12/9/22

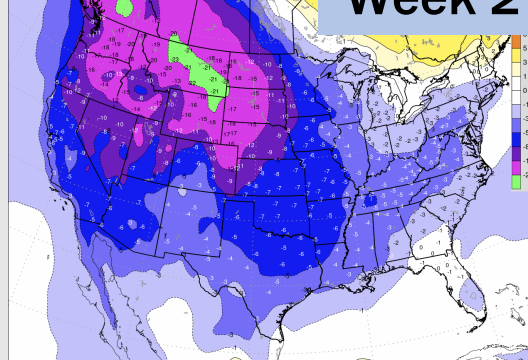
BAMcast Average Temperature Anomaly [°F]
7-DAY AVG for Thu 08DEC2022 thru Wed 14DEC2022 Days 1 to 7

Week 1



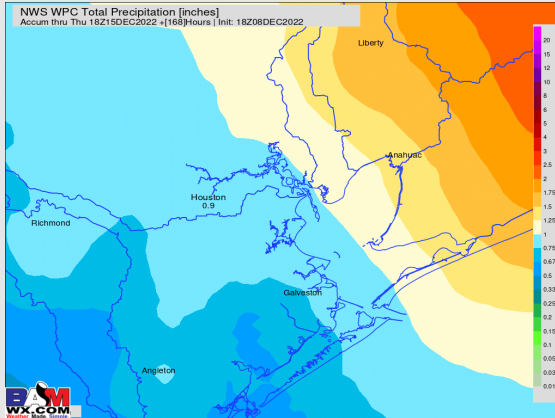
BAM EPS-GFS 7-Day Average | 2-meter Temperature Anomaly [°F]
Init: Thu 00Z08DEC2022 -[336] HOURS -> Valid Thu 00Z22DEC2022

Week 2

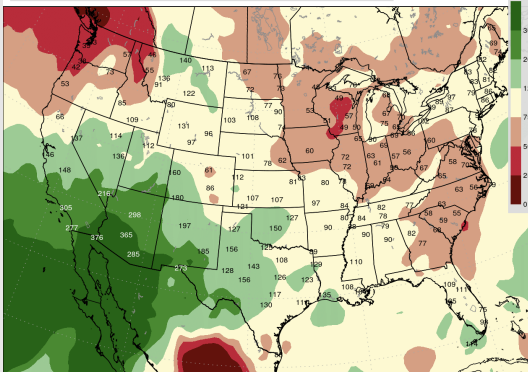


This service is based on data European Centre for Medium-range Weather Forecasts (ECMWF)

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



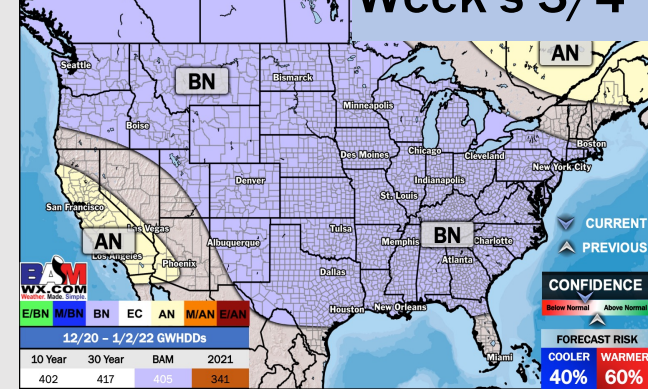
ECMWF EPS 7-Day Precipitation [% of Normal] | Ensemble Mean
Init: Thu 00Z08DEC2022 -[360] HOURS -> Valid Fri 00Z23DEC2022



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

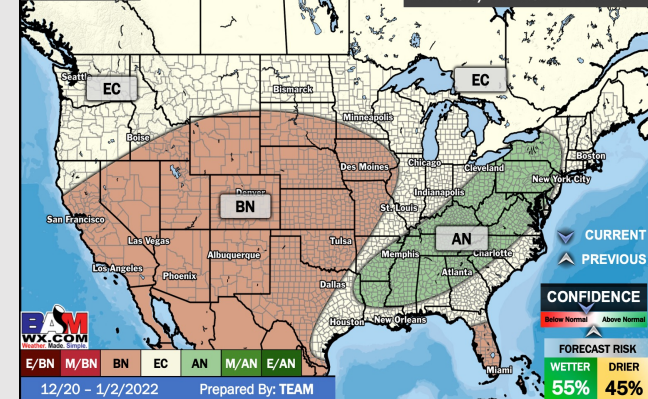
UPDATED: 12/6/22

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.