

Houston Pilots Forecast Package



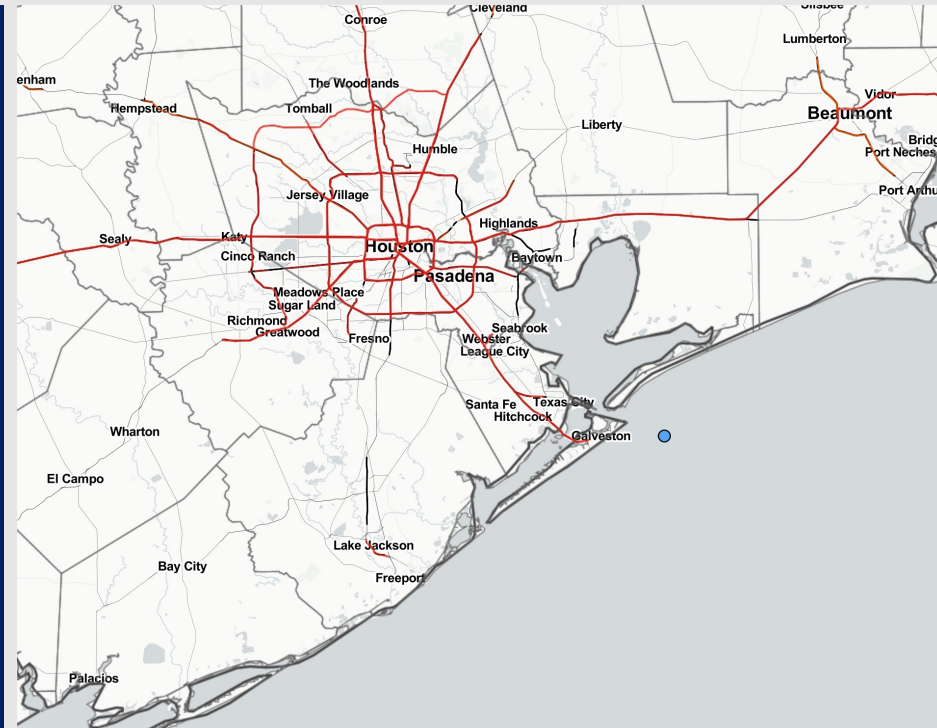
Updated: 3:30 PM CT

Thursday, December 1, 2022

Forecaster: Alyssa McClung

Weather Headlines

- Anticipating dry conditions for today, with increasing light, rain chances for most of the day on Friday.
- Anticipating gusty winds of 25+ knots out of the NNE be possible South of Morgan's Point throughout the rest of the morning into the early afternoon.
- **A risk for patchy dense fog cannot be ruled out late tonight into Friday AM.**
- **Growing confidence in area wide dense fog potential for early Friday PM into Sunday AM.**



Radar/NWS Alerts: 3:30 PM CT



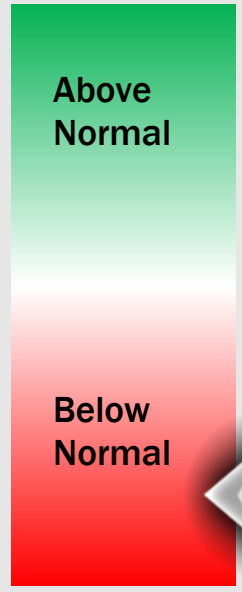
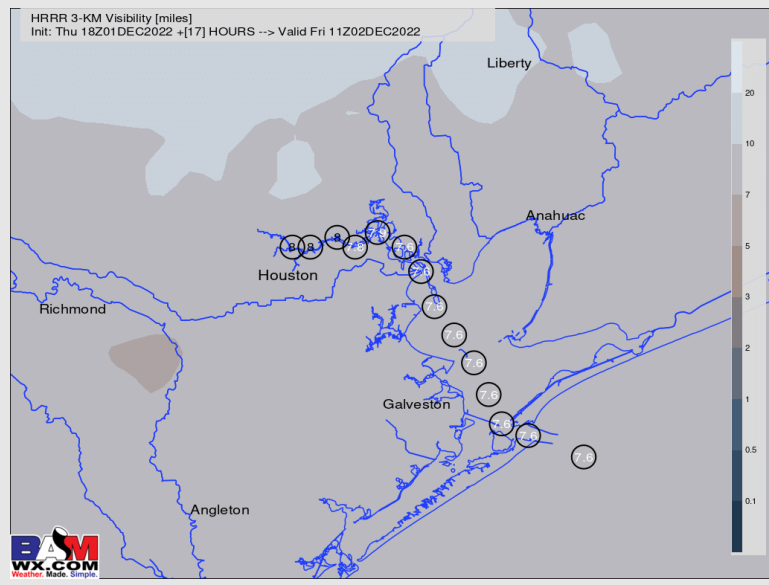
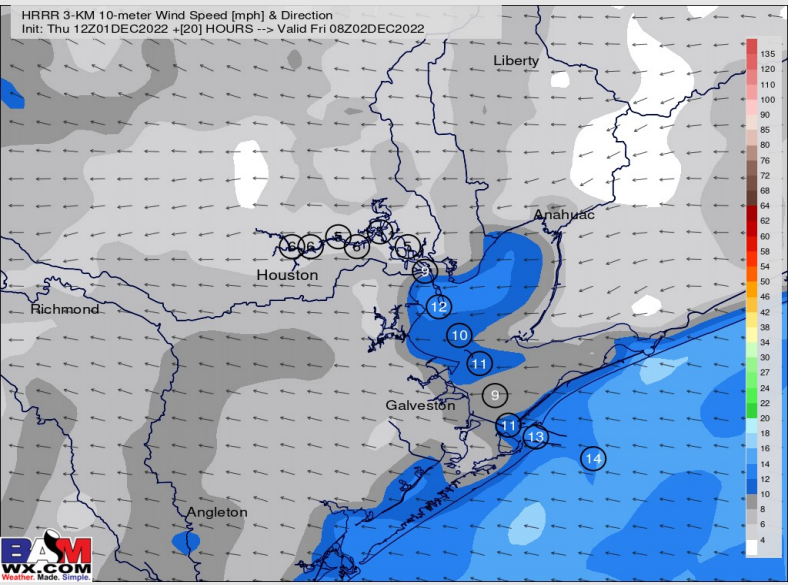
As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.

Houston Pilots Visibility Report



2 AM FRI Wind 5 AM FRI Visibility

Confidence



Reduced Visibility Threat
11 PM THU - 5 PM FRI **Low**

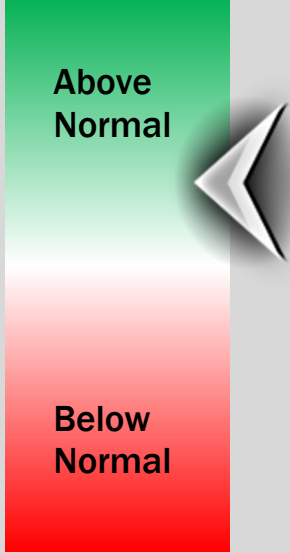
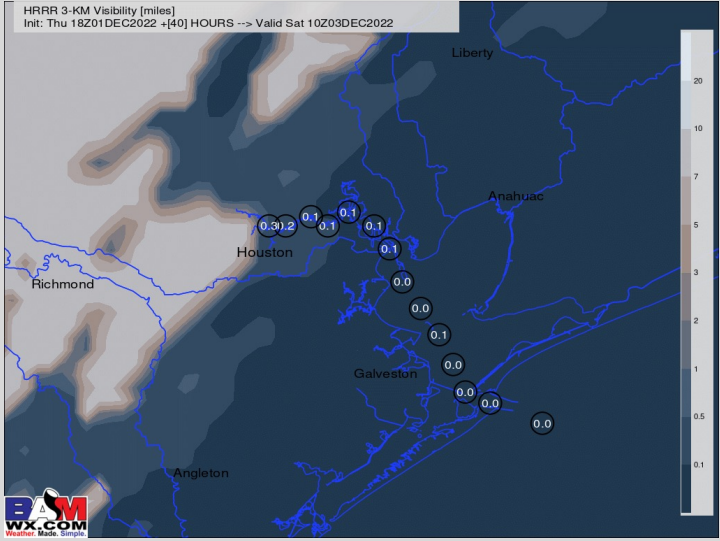
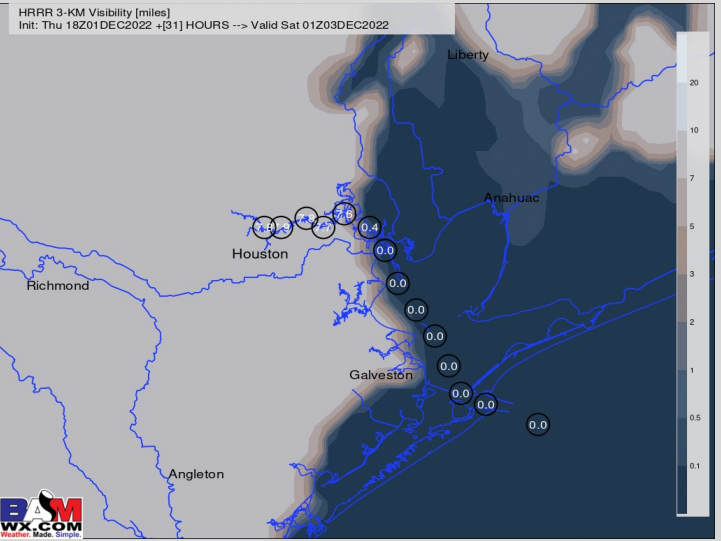
- No model data is representing this fog risk, however winds out of the ESE, Gulf temperatures and relative humidity at the surface would pose the risk for areas of patchy dense fog for all locations.
- Low confidence for fog risk beginning after 11 PM Tonight and continuing through the early PM Tomorrow.
- Anticipating greater widespread, dense fog risk later in the PM Friday (view next slide).

Houston Pilots Visibility Report



7 PM SAT Visibility 4 AM SAT Visibility

Confidence



Reduced Visibility Threat
5 PM Fri – 12 PM SUN **High**

- Confidence for dense, widespread sea fog beginning Friday evening and continuing through Saturday is high.
- Confidence is low for exactly what time this sea fog will become more widespread and dense, however favoring after 5 PM.
- Favoring after Midnight Saturday AM through Sunday AM for greatest risk of heavy dense fog.
- This threat for fog and less than 1 mile visibility exists for all stations.

Houston Pilots Extended Range Visibility Report



Sunday 12/4/22

Continued SE flow with scattered showers filling in during the late morning hours hint at a favorable fog setup. Towards the evening hours, spotty shower chances clear the region. Not favoring widespread visibility concerns at this time due to shifting winds out of the SW, but will keep at "Possible" despite lower confidence due to warm front moving NE.



Monday 12/5/22

SE flow will be present in a similar fashion to Sunday; however, winds shift more from the south in the afternoon as opposed to the SE. The morning looks to have a better chance of receiving patchy fog if it were to setup. A chance for showers in the late morning will help to further saturate the air in the AM.



Tuesday 12/6/22

While lower confidence for this time frame, not favoring visibility concerns for Tuesday AM-PM



Chance for Reduced Visibility

Sunday AM	Likely
Sunday PM	Possible
Monday AM	Possible
Monday PM	Possible
Tuesday AM	None
Tuesday PM	None

Houston Pilots Visibility Report



Time	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	Fri 11pm	Sat 12am		
610 Bridge	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	6	3	2	3	4	6	7	9	9	9	7	6	5	5	4	4	3	3		
Kinder 1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	5	4	5	5	7	7	9	9	9	7	6	5	5	5	5	4	4	3	
Greens Bayou	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	6	5	6	6	8	7	7	9	7	7	6	5	5	5	5	4	4	3	
Shell Crude	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	7	7	7	7	8	7	7	9	7	7	6	5	5	5	5	4	4	3	
Lynchburg Ferries	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	7	7	7	7	8	6	7	9	7	7	6	5	5	5	5	4	4	3	
Exxon 3	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	7	7	7	7	8	7	7	9	7	7	6	5	5	5	5	4	4	3	
Morgans Point	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	7	7	7	9	9	8	7	9	7	7	6	5	5	5	5	4	4	3	
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1 & 2 Bravo	10	10	10	10	10	10	10	10	10	10	8	7	10	10	10	10	9	8	7	7	7	7	7	7	7	8	8	8	6	5	3	3	3	3	3	2	2	

Houston Pilots Wind Report



Example

Sustained wind 13 Knots
Gusts 18 Knots
Wind from the N

WS: 13
G:18
N

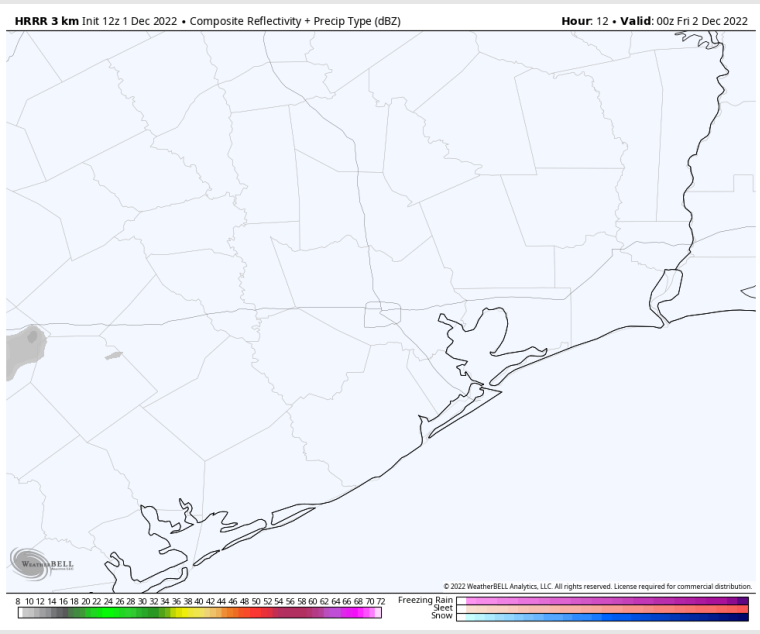
Time Knots	Thu 1pm	Thu 2pm	Thu 3pm	Thu 4pm	Thu 5pm	Thu 6pm	Thu 7pm	Thu 8pm	Thu 9pm	Thu 10pm	Thu 11pm	Fri 12am	Fri 1am	Fri 2am	Fri 3am	Fri 4am	Fri 5am	Fri 6am	Fri 7am	Fri 8am	Fri 9am	Fri 10am	Fri 11am	Fri 12pm	Fri 1pm	Fri 2pm	Fri 3pm	Fri 4pm	Fri 5pm	Fri 6pm	Fri 7pm	Fri 8pm	Fri 9pm	Fri 10pm	Fri 11pm	Sat 12am		
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Kinder 1	5	6	5	5	4	4	4	5	7	6	5	5	4	3	3	5	6	6	6	6	7	8	8	9	9	9	9	9	9	8	6	5	5	4	3	3	4	
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Greens Bayou	5	5	5	4	4	3	3	4	6	6	5	4	4	4	3	5	6	6	6	6	7	8	8	9	9	9	9	9	9	8	6	5	4	3	3	3	3	
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Shell Crude	5	5	5	4	4	3	3	4	6	6	5	4	4	4	3	5	6	6	6	6	7	8	9	9	9	10	10	9	9	8	7	6	5	4	3	3	3	
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Lynchburg Ferries	4	5	4	3	3	2	3	4	6	5	4	4	4	3	5	6	6	6	6	6	7	8	9	9	9	10	10	10	9	8	7	6	5	4	4	3	3	
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Exxon 3	4	5	4	3	2	3	4	4	6	5	4	4	4	4	4	6	6	7	6	7	6	7	8	9	10	10	10	10	9	8	7	6	5	5	4	4	3	
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See slides below for official thoughts on winds.

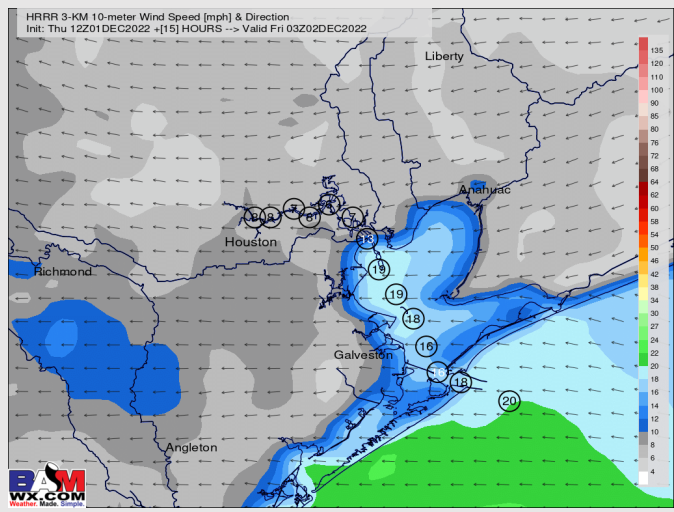
Forecast Discussion

- Precip:** Anticipating dry conditions the rest of today.
- Wind:** Sustained winds out of the E for the rest of the evening. Wind speeds of 5 – 8 kts N of Morgan’s Point and 13 – 18 kts S of Morgan’s Point.
- Temps:** Low temps Friday Morning near 60 F at the boarding station and in the upper 50s F for all other stations.
- Visibility:** Not anticipating fog tonight as conditions are not completely favorable, **however the risk for seeing fog after 11 PM tonight cannot be completely ruled out as winds do shift out of the E/ESE.**

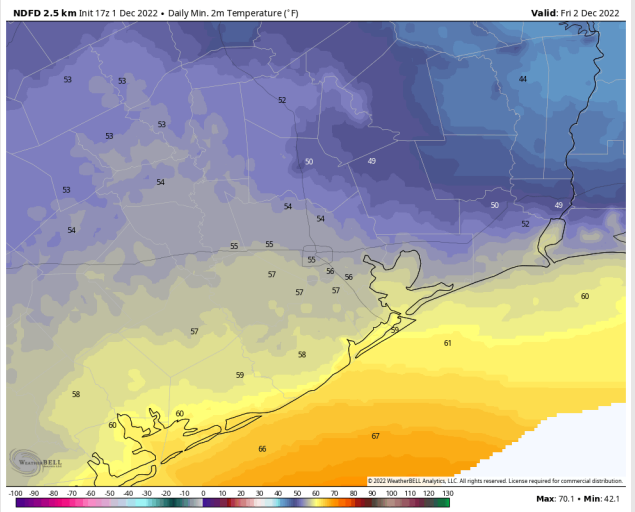
Precip Forecast: 6 PM CT



Wind Speed
9 PM CT



Low Temps
Friday AM



Houston Pilots: Fri. 12/2/2022



Forecast Discussion

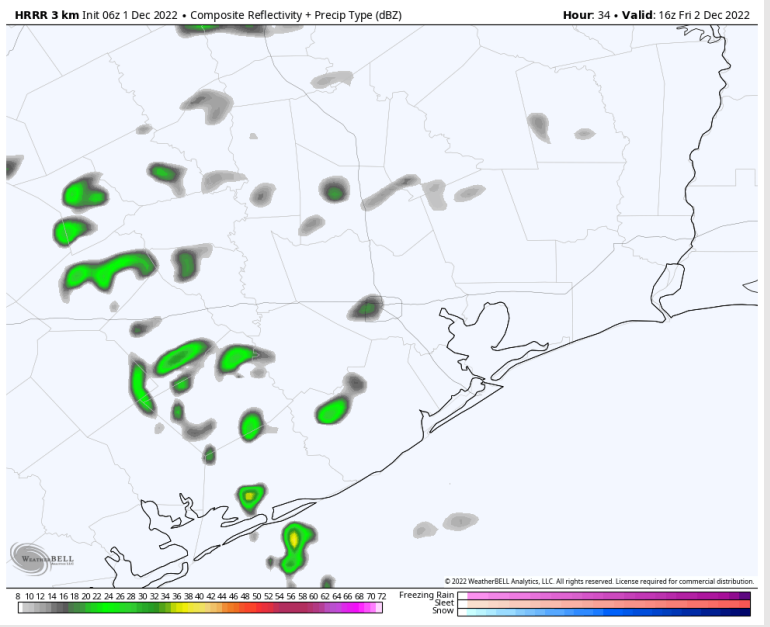
Precip: Anticipating dry conditions until around 6 AM, where a slight (20%) chance of showers will be possible until 12 PM. From 12PM through 6PM, shower chances increase to 40%. Favoring better potential to stay W of stations. After 6 PM anticipating dry conditions.

Wind: Sustained ESE winds in the morning will become SE by 8 AM through 2 PM, then more SSE thereafter and remaining as such for the rest of the afternoon and evening. Winds N of Morgan's Point will be at 4 - 10 kts in the morning, increasing to 6 - 12 kts in the afternoon. Winds S of Morgan's Point will be 13 - 18 kts. Wind gusts of 25 - 30 kts will be possible across all stations throughout the day lasting until 5 PM.

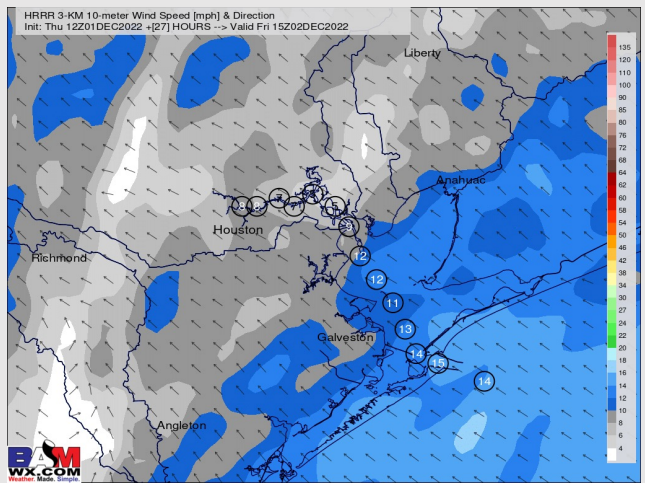
Temps: High temperatures will be in the mid to upper 70s across all stations except the Boarding Station, where temperatures will be cooler around 70 F.

Visibility: Cannot be complete rule out the risk for patchy dense fog Friday AM to 5 PM as winds shift out of the ESE. Higher confidence for patchy and potentially widespread dense fog to be possible Friday after 5 PM. Favoring the greatest threat to come closer to Midnight going into Saturday.

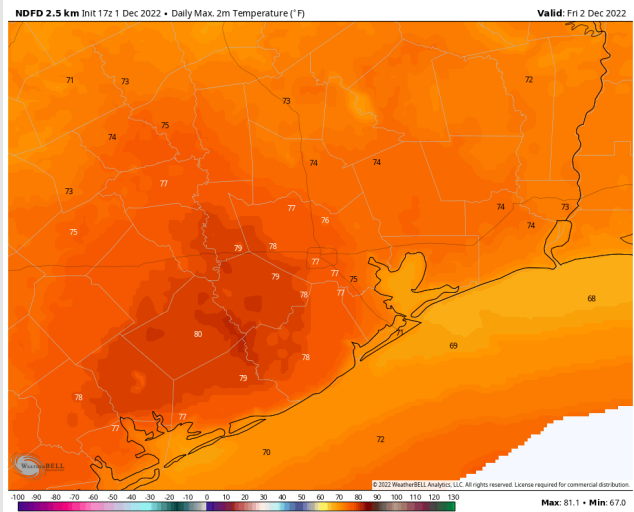
Precip Forecast: 10 AM CT



Wind Speed
9 AM CT



High Temps
Friday



Houston Pilots: sat. 12/3/2022



Forecast Discussion

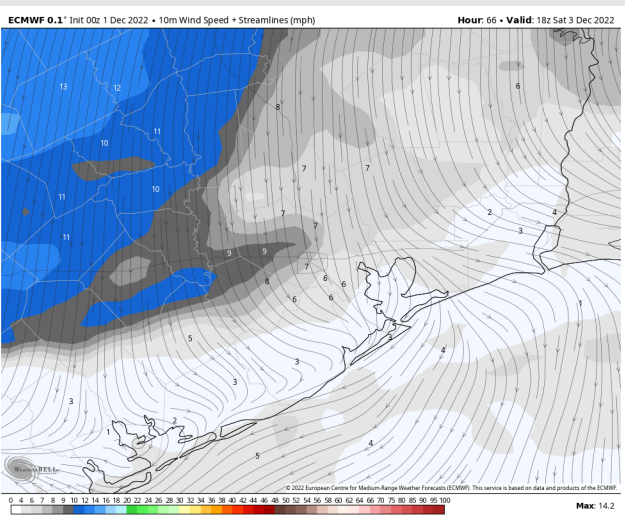
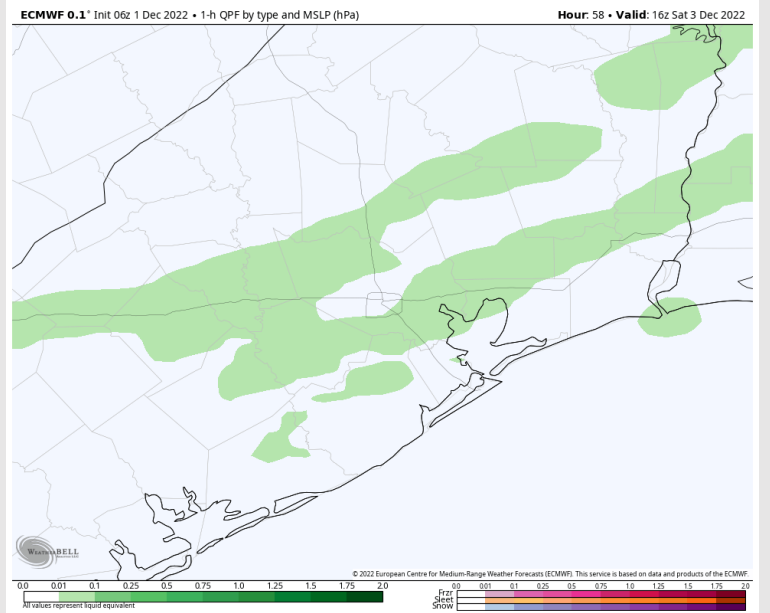
Precip: Anticipating Saturday Morning to start dry, with a 40% chance of showers beginning at 8 AM and continuing through 4PM as a cold front passes to the southeast.

Wind: Sustained winds out of the SW at 8 – 12 kts will be possible through 5AM. After 5 AM, winds to become variable at 3 - 8 kts through most of the evening until 9 PM then winds shift more so out of the NE.

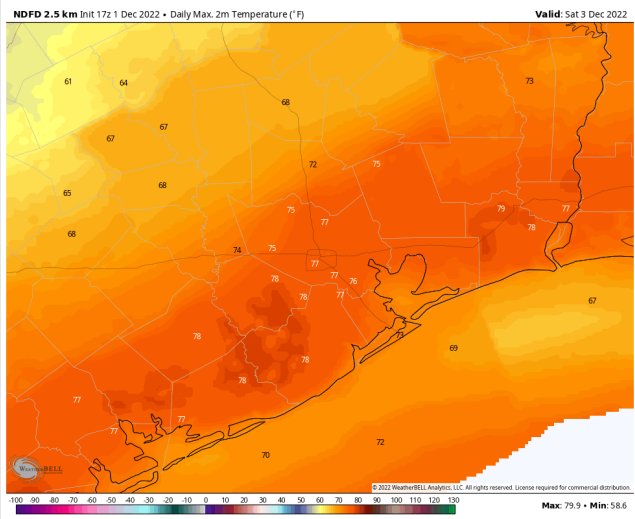
Temps: High temps expected to reach the lower to mid 70's.

Visibility: Areas of widespread dense fog will carry over from Friday night. The fog threat will continue to be possible throughout the day into Sunday AM.

Precip Forecast: 10 AM CT

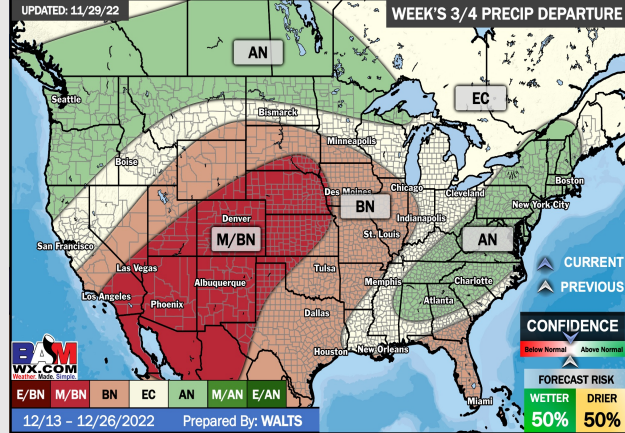
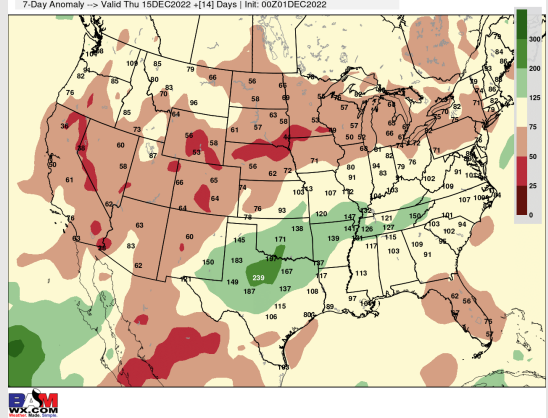
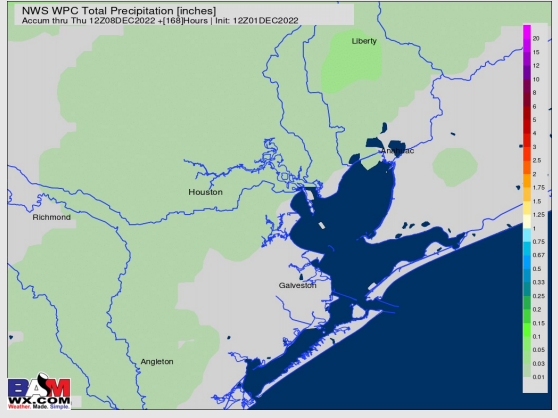
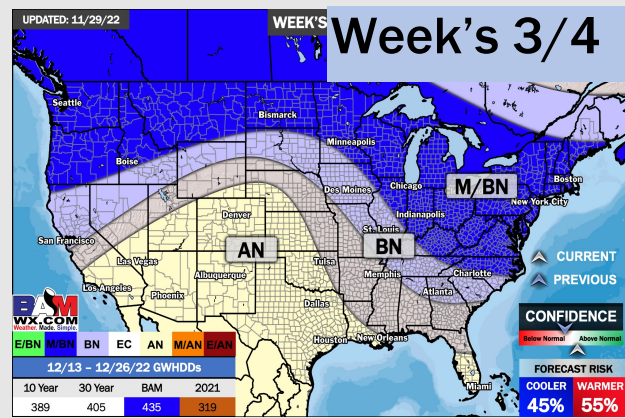
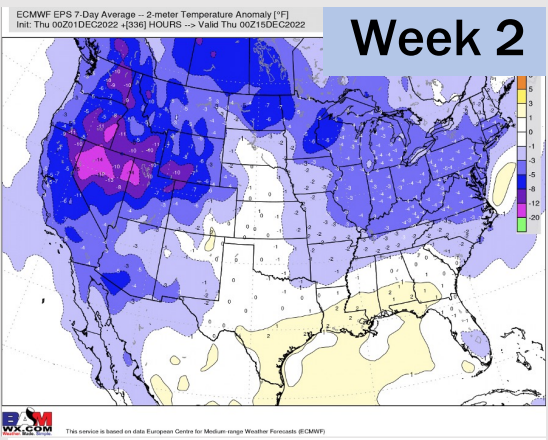
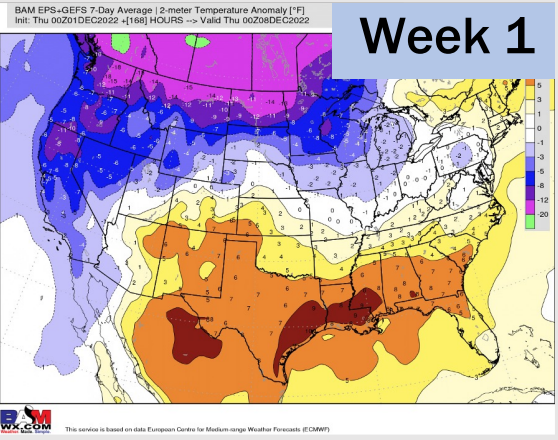


Wind Speed
12 PM CT



High Temps
Saturday

Houston Pilots: 12/1/22



- Very low rain chances Fri.-Sun., then the next rain chance will move in Wednesday. Week 1 temperatures to be above normal.
- Week 2 is expected to be slightly above normal for temperatures and slightly below normal for rain chances into early December.
- The weeks 3/4 timeframe looks to feature above normal temperatures and below normal risks for precipitation.