

Houston Pilots Forecast Package



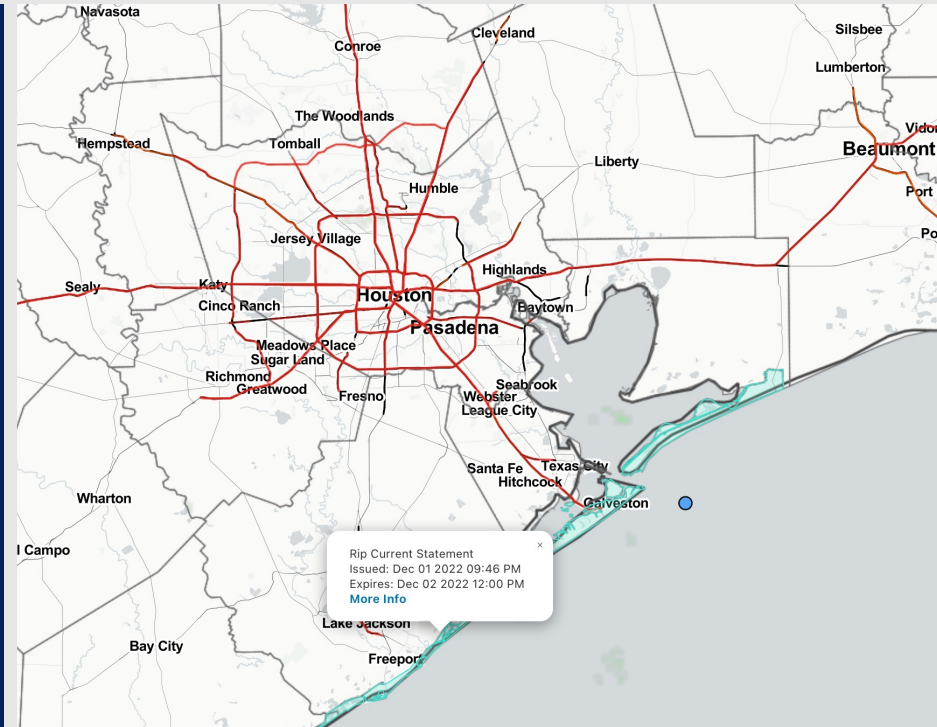
Updated: 5:30 AM CT

Friday, December 2, 2022

Forecaster: Alyssa McClung

Weather Headlines

- Anticipating low end chances of mist to continue through 11AM, with light shower chances throughout the remainder of the afternoon.
- Anticipating gusty winds of 16 – 18 kts to be possible for all locations through the late morning
- Patchy fog will be possible throughout the morning, with areas of reduce visibility likely to increase after 12PM due to light rain / mist.
- Favoring widespread, dense fog conditions to begin at 5 PM-CT and continue through Saturday.



Radar/NWS Alerts: 5:30 AM CT



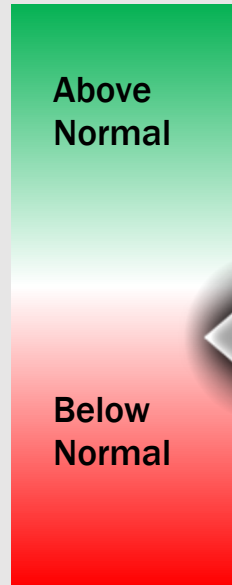
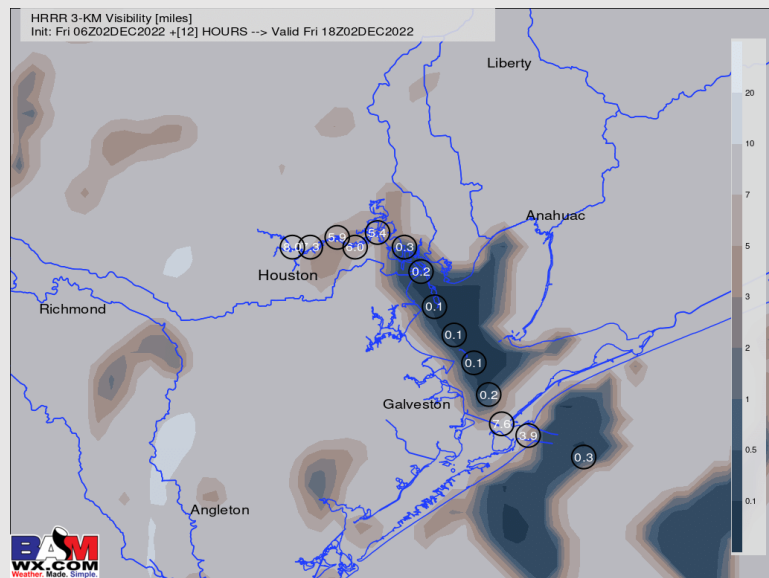
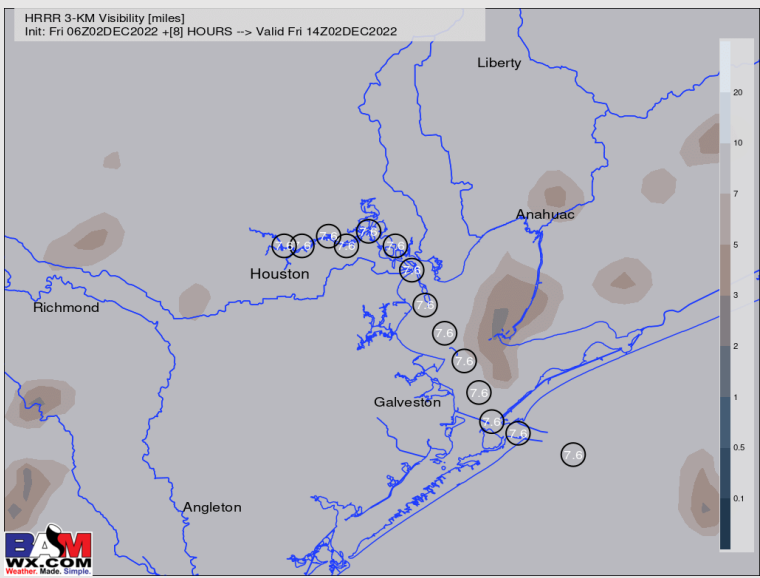
As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.

Houston Pilots Visibility Report



8 AM FRI Current Visibility 12 PM FRI Visibility

Confidence



Reduced Visibility Threat
Now – Noon FRI **Low - Med**

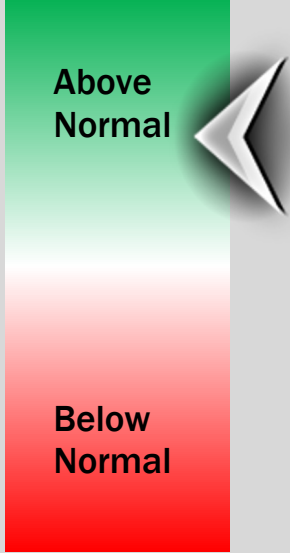
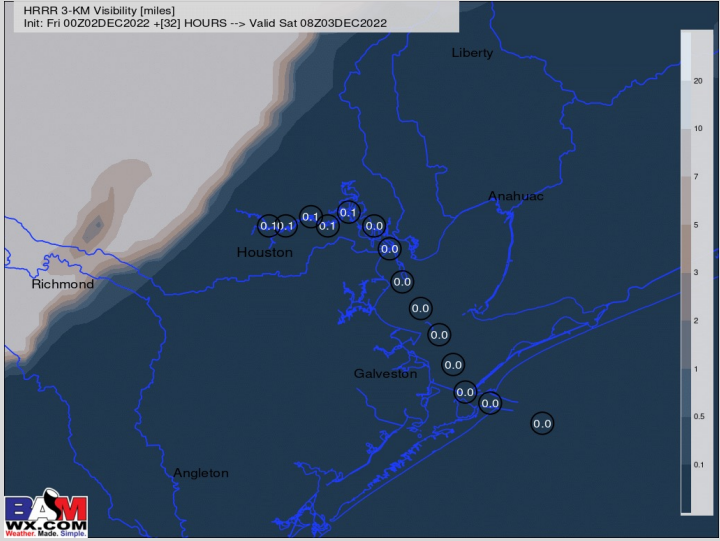
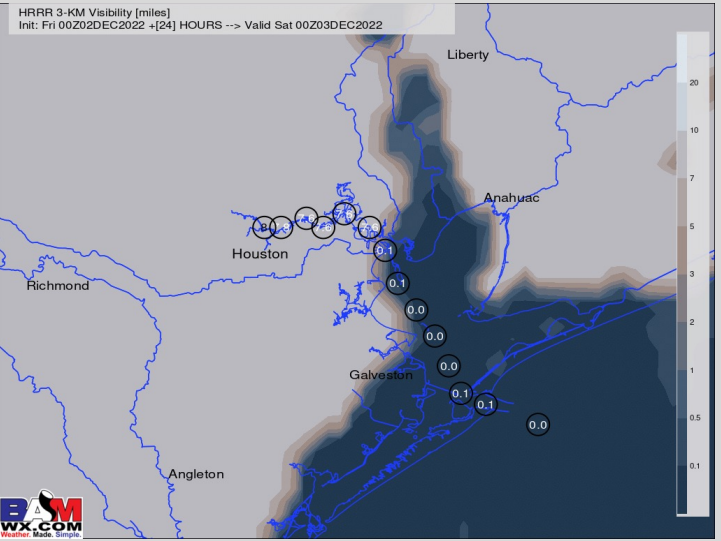
- A very low cloud deck is present this morning. Light drizzle/misty conditions working into the area will possibly reduce visibility to 2-3 miles.
- As we get deeper into the morning, patchy fog will continue to work into the area impacting all stations reducing visibility down to a mile.
- By 12 PM today, patchy fog will become more dense with visibilities of less than a mile possible for all stations.
- Foggy conditions will continue to worsen after 12 PM today (next slide).

Houston Pilots Visibility Report



7 PM FRI Visibility 3 AM SAT Visibility

Confidence



Reduced Visibility Threat
12 PM Fri – 6 AM SUN High

- Confidence for dense, widespread sea fog beginning Friday evening and continuing through Saturday remains high.
- As mentioned on the previous slide, patchy dense fog after 12 PM today will continue to worsen through the evening and continue through Saturday.
- Favoring after 5 PM today through Sunday AM for risk of widespread heavy dense fog with the greatest risk for heavy dense fog after midnight. While visibility concerns may become more patchy during Saturday afternoon, dense fog to likely fill back in for all locations by Saturday evening.
- This threat for fog and less than 0.5 mile visibility exists for all stations.

Houston Pilots Extended Range Visibility Report



Monday 12/5/22

SE Flow will present potential for patchy / areas of dense fog for Monday morning. Slight lower confidence exists at this time in terms of coverage



Tuesday 12/6/22

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



Wednesday 12/7/22

Not favoring Visibility concerns at this time for the Houston / Galveston bay area.



Chance for Reduced Visibility

Monday AM	Possible
Monday PM	Possible
Tuesday AM	None
Tuesday PM	None
Wednesday AM	None
Wednesday PM	None

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	10	10	10	10	7	4	4	4	6	7	9	10	10	10	10	10	10	7	6	6	6	6	6	4	3	0.72	0.48	0.48	0.48	0.24	0.24	1	3	6	10	10	10		
Kinder 1	10	10	10	10	7	4	4	4	6	6	9	9	10	10	10	10	9	7	6	6	6	6	6	4	3	0.72	0.82	0.48	0.48	0.24	0.24	1	3	6	10	10	10		
Greens Bayou	10	10	10	10	7	4	3	4	6	6	9	9	10	10	10	10	8	6	6	6	6	6	6	4	3	0.72	1	0.48	0.48	0.24	0.24	1	3	6	10	10	10		
Shell Crude	10	10	10	10	7	4	4	4	6	6	9	9	10	10	10	10	8	6	6	5	6	6	6	4	3	0.63	1	0.48	0.48	0.24	0.24	1	3	5	10	10	10		
Lynchburg Ferries	10	10	10	10	7	4	3	4	6	6	9	9	10	10	10	10	8	6	6	5	6	6	6	4	3	0.48	1	0.48	0.48	0.24	0.24	1	3	5	10	10	10		
Exxon 3	10	10	10	10	7	4	4	4	6	6	9	9	9	10	10	9	7	6	5	5	5	5	5	4	0.72	0.48	1	0.24	0.4	0.24	0.24	1	3	5	9	10	10		
Morgans Point	10	10	10	10	6	4	4	4	6	6	9	9	10	10	10	9	7	6	5	5	5	5	5	3	0.63	0.48	1	0.24	0.24	0.24	0.24	1	3	5	8	10	10		
75/76	10	10	10	10	6	4	4	4	6	6	9	9	10	10	10	9	7	6	5	5	5	5	5	3	0.53	0.48	0.89	0.24	0.24	0.24	0.24	1	3	5	8	10	10		
63/64	10	10	10	9	6	4	4	5	6	6	9	9	10	10	10	9	7	6	5	5	5	5	5	3	0.48	0.48	0.36	0.24	0.24	0.24	0.24	0.24	1	3	5	8	10	10	
51/52	10	10	10	8	6	4	4	5	6	6	8	9	9	10	10	9	7	6	5	5	5	5	5	3	0.48	0.48	0.24	0.24	0.24	0.24	0.24	0.24	0.94	3	5	8	8	9	
37/38	10	10	10	8	6	4	4	5	6	6	7	9	9	10	9	8	4	4	3	4	4	4	5	3	0.48	0.48	0.24	0.24	0.24	0.24	0.24	0.24	0.22	0.48	3	4	7	6	7
25/26	10	10	10	8	6	4	4	5	6	6	7	9	9	9	6	5	4	4	3	1	0.48	0.24	0.24	0.24	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
11/12	10	10	10	8	6	4	5	6	6	6	6	7	9	9	5	5	1	4	1	0.48	0.25	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.16	0.24	2	4	6	6	5		
1 & 2 Bravo	10	10	8	8	6	4	5	6	6	6	6	6	5	1	1	1	0.36	0.36	0.2	0.18	0.18	0.2	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.16	0.22	1	2	4	4	4	

Please check slide above for official thinking as model data shown is slow with fog.

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	5	5	5	5	5	7	7	7	6	6	8	8	8	5	5	6	6	5	5	4	4	4	3	3	3	2	2	1	1	2	3	4	3	4	5	5	
	16	16	12	16	14	18	17	15	17	19	17	17	13	13	10	10	9	8	7	8	8	8	8	7	6	6	4	4	3	3	4	6	6	6	7	8	9
Kinder 1	E	ESE	ESE	ESE	ESE	ESE	ESE	SE	SSE	SSE	S	S	S	S	S	SSE	S	S	S	S	S	S	SSW	SSW	SSW	SSW	S	SSW	SW	WSW	W	WNW	NW	NNW	N	N	
	5	5	5	5	5	7	7	7	6	6	7	8	8	5	5	6	6	5	4	4	4	4	4	3	3	3	1	2	1	1	2	3	3	3	4	5	5
Greens Bayou	16	16	12	16	12	18	18	15	17	19	17	18	18	13	13	10	10	9	8	7	8	8	8	7	6	6	4	4	3	3	4	6	6	6	6	8	9
	E	ESE	ESE	ESE	ESE	ESE	ESE	SE	SSE	SSE	S	S	S	S	S	SSE	S	S	S	S	S	S	S	SSW	SSW	SSW	SSW	S	SSW	SW	WSW	W	WNW	NW	NNW	N	N
Shell Crude	5	5	5	6	5	6	7	7	7	6	6	7	8	8	6	6	5	4	4	4	4	4	4	3	2	3	1	2	1	1	2	3	4	4	5	5	
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Lynchburg Ferries	E	ESE	E	ESE	ESE	ESE	ESE	SE	SSE	SSE	S	S	S	S	SSE	SSE	S	S	S	S	S	S	S	SSW	SSW	SSW	SSW	S	SSW	SW	WSW	W	WNW	NW	NNW	N	N
	5	5	5	6	6	6	7	7	7	6	7	7	8	8	6	6	5	4	4	4	4	4	4	3	2	2	1	1	1	1	2	3	3	3	3	5	5
Exxon 3	17	12	11	13	12	14	18	16	17	17	17	18	18	14	13	10	10	9	7	7	8	8	7	6	6	4	3	2	3	4	5	5	5	5	7	8	
	E	ESE	E	ESE	ESE	ESE	ESE	SE	SSE	SSE	S	S	S	SSE	S	SSE	SSE	S	S	S	S	S	S	SSW	SSW	SSW	SSW	S	SSW	SW	WSW	W	WNW	NW	NNW	N	N
Morgans Point	5	4	3	5	6	6	8	8	6	7	7	8	8	6	6	7	6	5	5	4	4	4	4	3	2	2	2	1	2	1	2	3	4	5	5	7	8
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75/76	E	E	E	E	E	ESE	ESE	SE	SSE	SSE	S	SSE	SSE	SSE	S	SSE	SSE	S	S	S	S	S	S	SSW	SSW	SSW	SSW	S	S	SW	WSW	W	WNW	NW	NNW	N	N
	6	4	3	4	4	5	6	8	9	7	9	9	8	7	7	7	6	5	5	4	4	4	4	3	3	2	2	2	1	2	2	3	3	3	4	5	5
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51/52	8	6	4	5	4	5	6	7	8	8	10	10	8	9	8	7	6	5	5	5	5	5	4	4	3	3	2	2	1	2	2	2	3	4	4	4	4
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37/38	ESE	ESE	ENE	E	ENE	ESE	ESE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	S	S	SSW	SSW	SSW	SSW	S	SSE	S	SSW	WSW	W	WNW	NW	N	N
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25/26	19	15	13	13	14	16	17	16	17	16	17	18	17	17	14	11	10	10	9	9	8	8	8	8	7	7	5	4	3	3	4	4	5	5	6	7	8
	ESE	ESE	E	E	E	ESE	ESE	SE	SSE	SE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	S	S	SSW	SSW	SSW	SSW	SSE	S	S	SW	E	NE	NNE	NNE	NNE	
11/12	12	10	9	9	9	11	10	9	10	9	10	9	10	10	8	8	7	7	7	6	6	6	5	5	5	3	3	2	2	2	2	3	3	3	3	3	3
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1 & 2 Bravo	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	S	S	S	S	SSW	SSW	SSW	SSW	S	S	S	S	S	SSE	NNE	ENE	ENE	ENE
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1 & 2 Bravo	20	17	15	15	15	14	16	14	14	15	13	14	14	11	10	9	9	8	8	8	8	8	8	7	7	6	5	4	3	3	4	4	4	4	5	5	5
	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	S	S	S	S	SSW	SSW	SSW	SSW	SW	S	S	S	S	SSE	ESE	NNE	ENE	ENE
1 & 2 Bravo	12	11	10	9	9	9	10	10	9	8	7	8	8	8	8	8	7	7	7	6	6	6	5	5	4	3	2	2	2	2	2	2	3	3	3	3	3
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1 & 2 Bravo	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	S	S	SSW	SSW	SSW	SSW	NW	S	SSE	SE	SE	E	E	ENE	ENE	
	14	13	12	11	10	10	12	10	10	9	9	8	8	9	9	9	8	8	8	8	8	8	7	7	7	6	5	4	3	3	3	3	3	3	3	3	3
1 & 2 Bravo	21	20	17	16	16	18	16	15	14	14	15	14	15	14	11	11	11	11	10	9	9	9	8	8	8	6	5	4	4	4	4	4	4	4	4	4	4
	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E

See slides below for official thoughts on winds.

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 50%. Favoring dry conditions after 5PM.

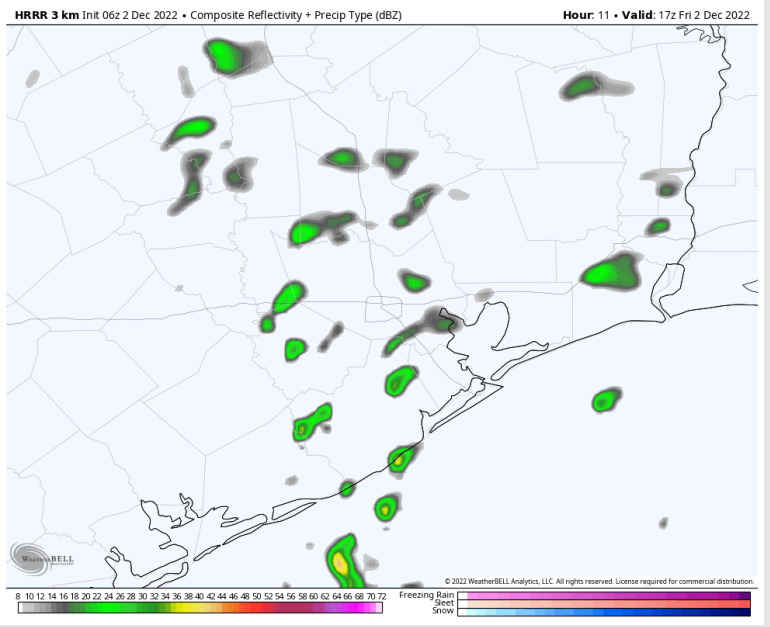
Wind: Sustained ESE winds in the morning will become SE by 8 AM through 2 PM, then more SSE thereafter and remaining as such for the rest of the afternoon and evening. Winds N of Morgan's Point will be at 5 - 10 kts in the morning, increasing to 6 - 13 kts in the afternoon. Winds S of Morgan's Point will be 13 - 18 kts.

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.

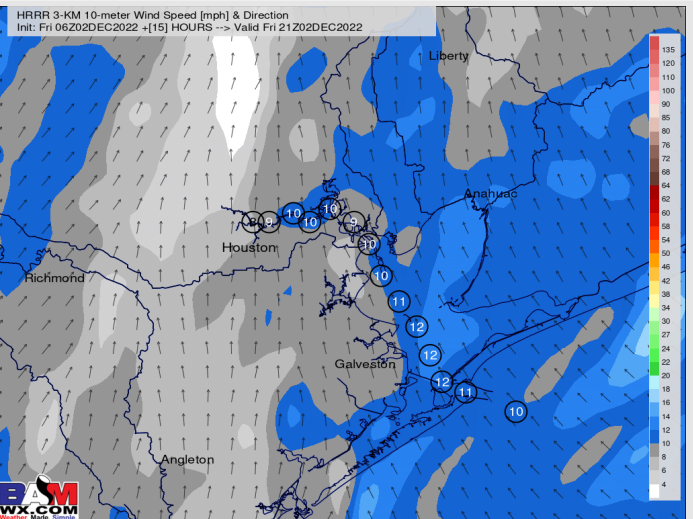
Visibility: Light drizzle/misty conditions could reduced visibility through 5 PM as winds shift out of the ESE.

Higher confidence for widespread dense fog to be possible Friday after 5PM. Favoring the greatest threat to come closer to Midnight going into Saturday. (SEE VISIBILITY SLIDE)

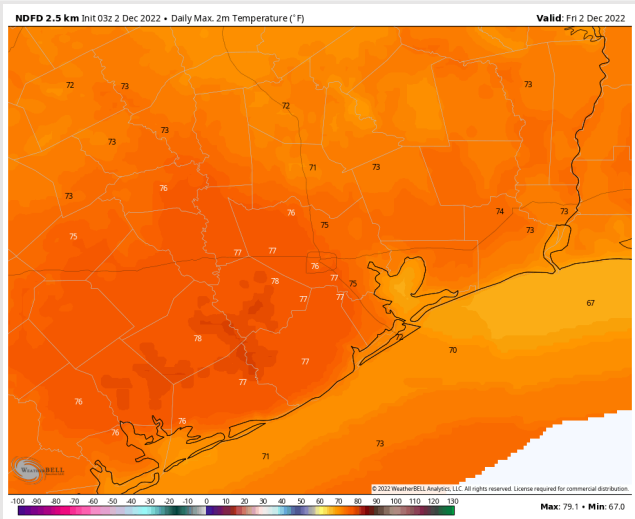
Precip Forecast: 11 AM CT



Wind Speed
3 PM CT



High Temps
Friday



Houston Pilots: sat. 12/3/2022



Forecast Discussion

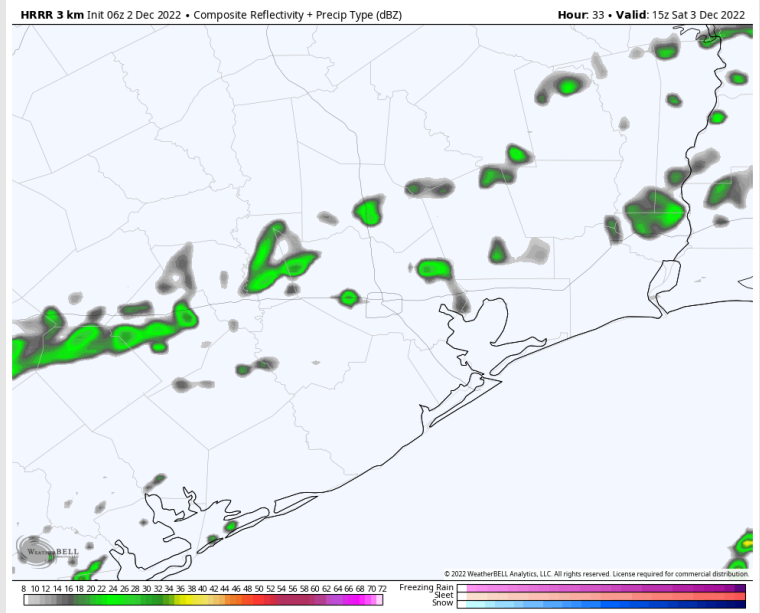
Precip: Anticipating Saturday Morning to start dry, with a 40% chance of light showers beginning at 9AM and continuing through 4PM as a cold front slowly passes to the southeast.

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.

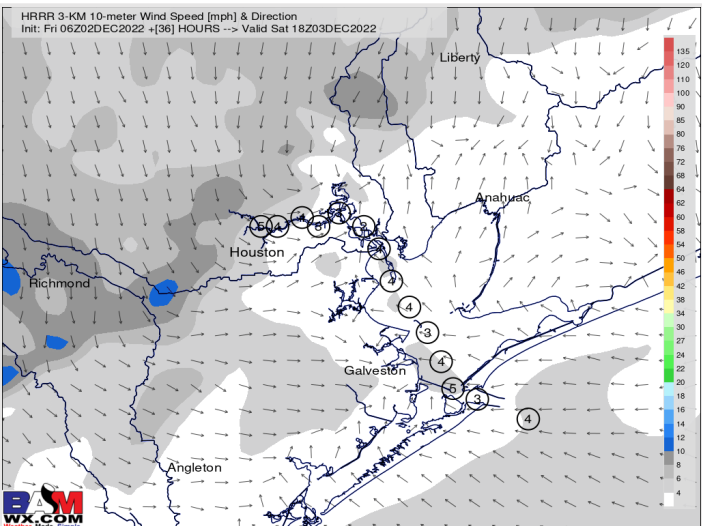
Temps: High temps expected to reach the lower to mid 70's.

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.

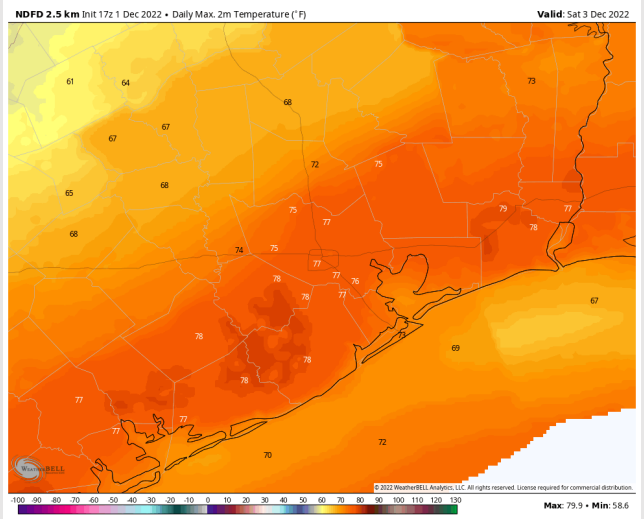
Precip Forecast: 9 AM CT



Wind Speed
12 PM CT



High Temps
Saturday



Houston Pilots: Sun. 12/4/2022



Forecast Discussion

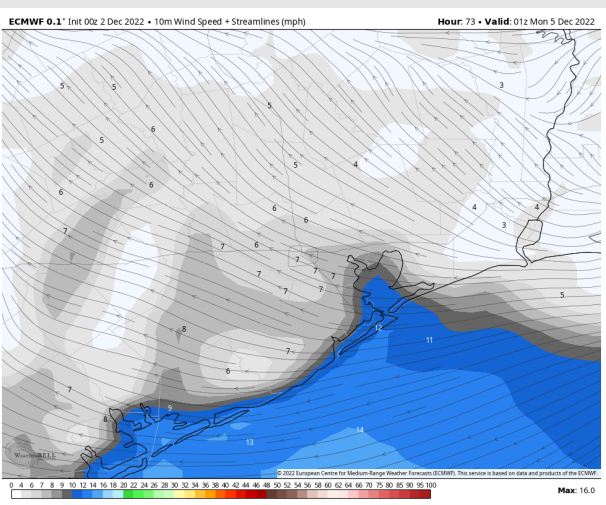
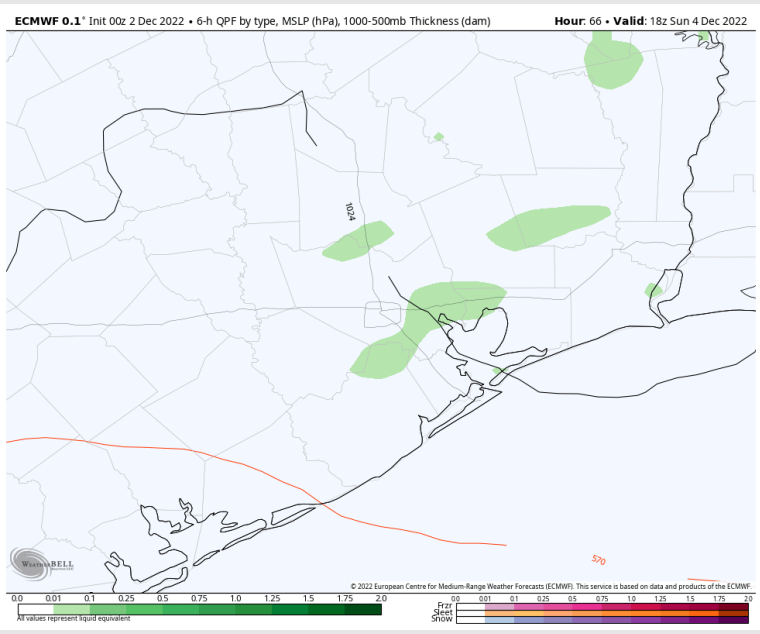
Precip: Anticipating dry conditions for most of the day, with sprinkle chances from 11 AM – 2 PM.

Wind: Sustained winds out of the ENE/E through 2PM at 4 – 8 kts, 6 – 10 kts near Alpha / Bravo stations. After 2PM, winds shift to out of the SE through the remainder of the evening, with winds of 8 – 14 kts S of Morgan’s Point, 6 – 10 kts N of Morgan’s Point.

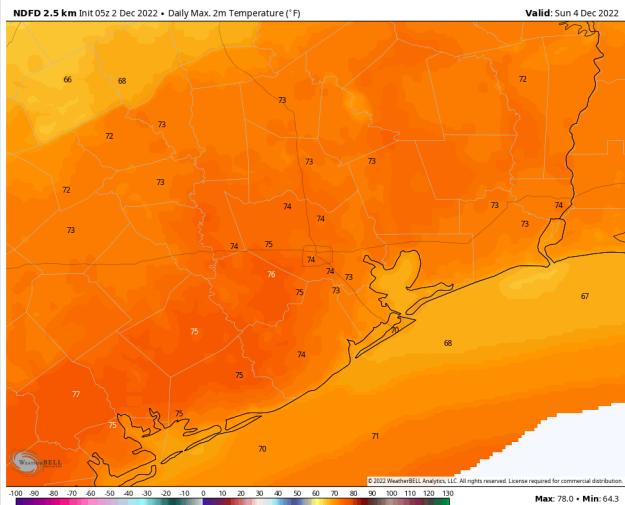
Temps: High temps Sunday in the lower to mid 70’s for all locations.

Visibility: Areas of patchy dense fog will be possible through 6AM-CT. As winds shift out of the SE once again Sunday night, areas of dense fog will once again be possible through Monday AM

Precip Forecast: 12 PM CT

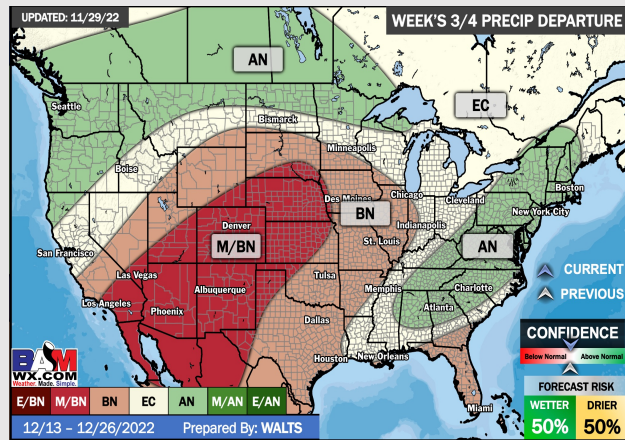
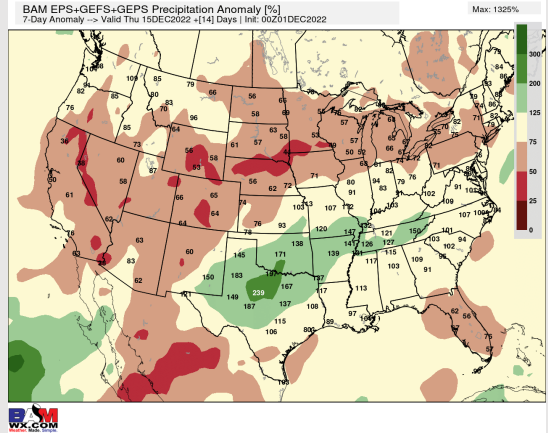
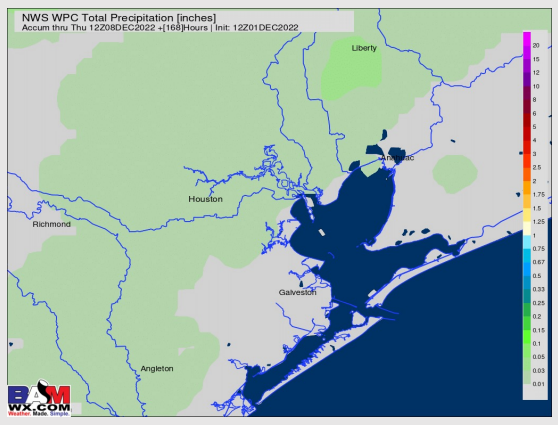
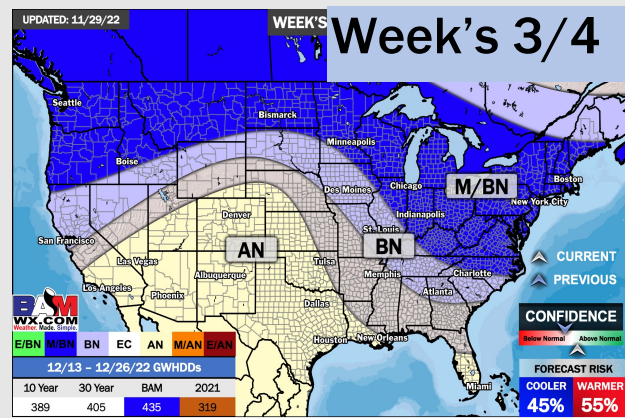
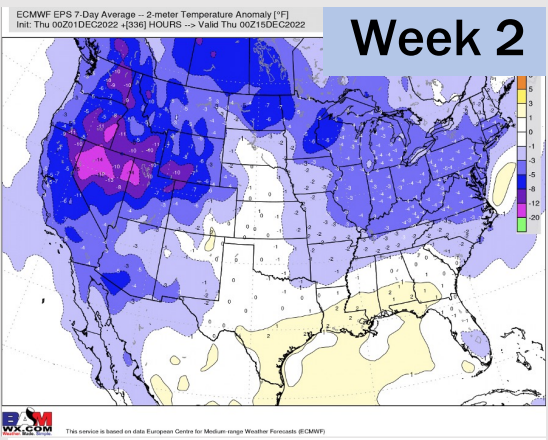
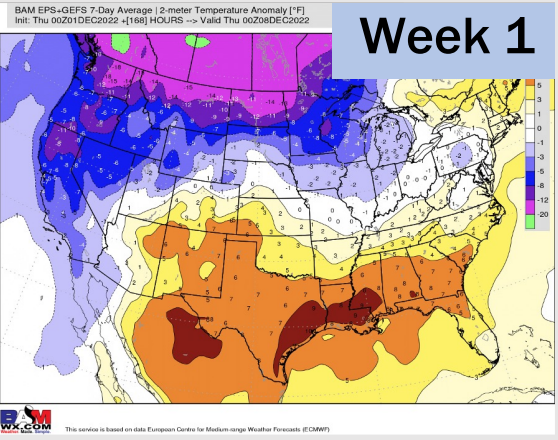


Wind Speed
7 PM CT



High Temps
Sunday AM

Houston Pilots: 12/2/22



- 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 ¾ timeframe looks to feature above normal temperatures and below normal risks for precipitation.