

Houston Pilots Forecast Package



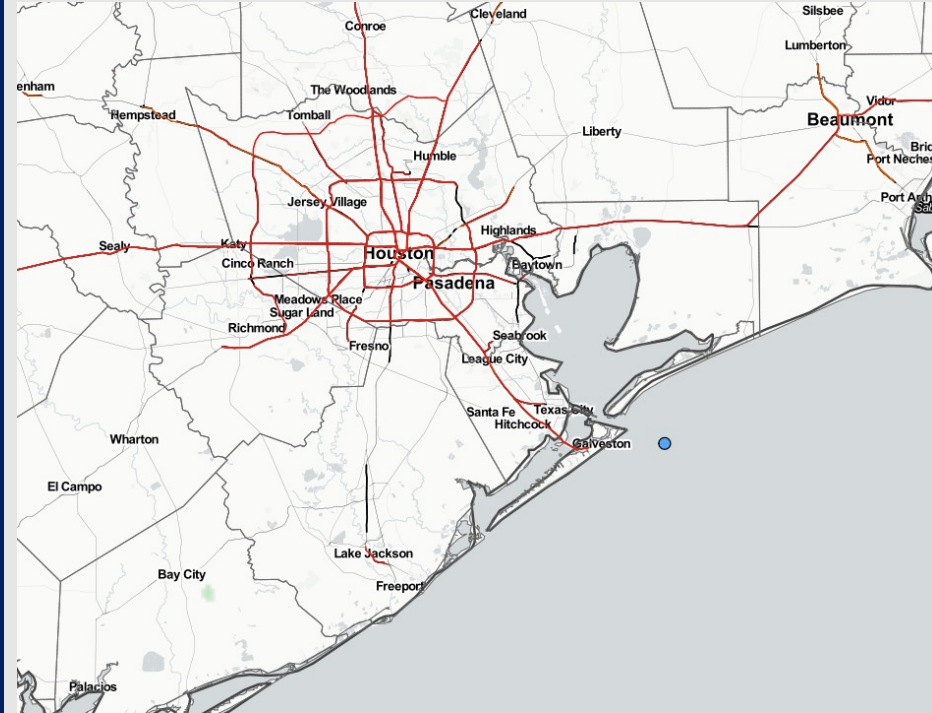
Updated: 5:00 AM CT

Monday, December 12, 2022

Forecaster: Vince Bryan

Weather Headlines

- A slight chance for sprinkles this afternoon. Increasing chances for showers and storms will exist for Tuesday and Wednesday thanks to a cold front expected to work through the area.
- Winds will be generally from the SE for today and tomorrow with a frontal passage shifting winds from the NW and keeping winds from the NW for awhile on Wednesday – Saturday.
Tuesday/Wednesday look to be a breezy days with wind gusts of 25 – 30 kts possible.
- **The front passing Wednesday AM will wipe out fog chances. Low to almost 0 fog threat for the back half of the week with NW winds.**



Radar/NWS Alerts: 5:00 AM CT

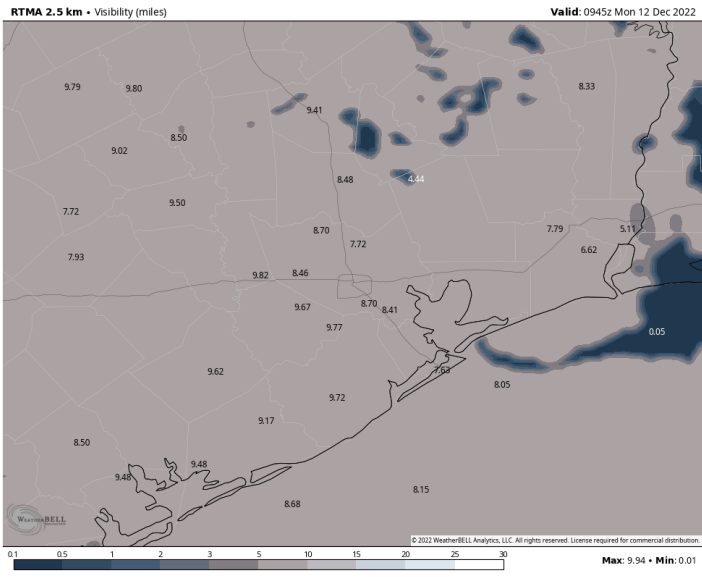


As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.

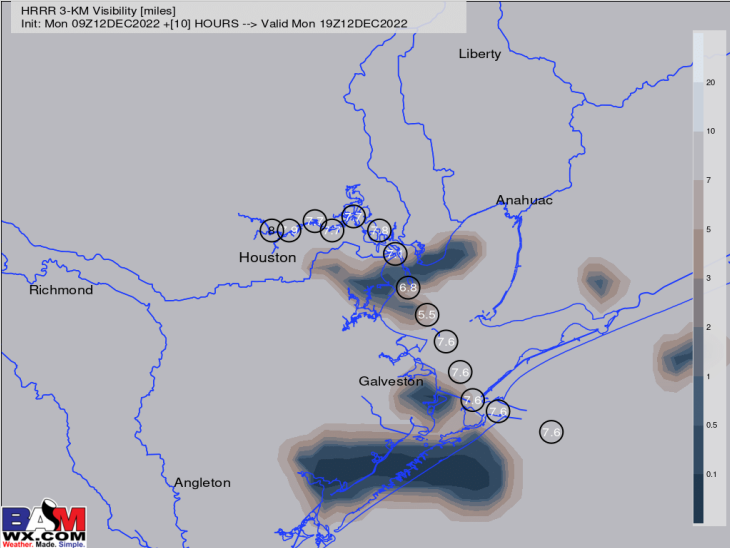
Houston Pilots Visibility Report



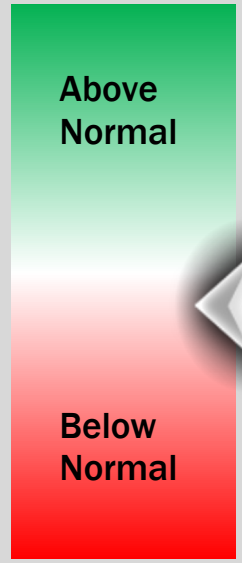
Current Visibility



8 AM CT Visibility



Confidence



Reduced Visibility Threat

CURRENT - 6 PM MON

Low

- The threat fog widespread fog remains low, however the threat for reduced visibility of a few miles is there given a very low cloud deck.
- A few pockets of rather patchy fog and a low cloud deck holds the potential to drop visibilities of 2-4 miles. This threat primarily exists for stations south of 25/26. The "best" threat for this reduced visibilities will be from 6 AM CT this morning out through ~10 AM CT.
- Working through the rest of the day, a low cloud deck/misty haze can keep visibilities lower than 5 miles, but dense fog of <1 mile is not favored.
- Winds look to be just high enough to prevent widespread fog .

Houston Pilots Extended Range Visibility Report



Thursday 12/15/22

Northwesterly dry air expected. No fog concerns.



Friday 12/16/22

Northwesterly winds in the AM are expected to shift from the NW by noon for Friday. No fog concerns here.



Saturday 12/17/22

Strong winds from the NE possibly in the low 10-15 kt range. No fog expected.



Chance for Reduced Visibility

Thursday AM	Unlikely
Thursday PM	Unlikely
Friday AM	Unlikely
Friday PM	Unlikely
Saturday AM	Unlikely
Saturday PM	Unlikely

Houston Pilots Visibility Report



Time	Mon 3am	Mon 4am	Mon 5am	Mon 6am	Mon 7am	Mon 8am	Mon 9am	Mon 10am	Mon 11am	Mon 12pm	Mon 1pm	Mon 2pm	Mon 3pm	Mon 4pm	Mon 5pm	Mon 6pm	Mon 7pm	Mon 8pm	Mon 9pm	Mon 10pm	Mon 11pm	Tue 12am	Tue 1am	Tue 2am	Tue 3am	Tue 4am	Tue 5am	Tue 6am	Tue 7am	Tue 8am	Tue 9am	Tue 10am	Tue 11am	Tue 12pm	Tue 1pm	Tue 2pm		
610 Bridge	10	7	6	6	6	4	6	9	10	10	10	10	10	10	10	10	10	8	6	6	6	6	6	6	6	6	6	6	6	6	6	9	10	10	10	9	9	
Kinder 1	10	7	6	6	6	4	6	9	10	10	10	10	10	10	10	10	10	8	7	6	7	7	6	7	7	6	6	6	6	6	8	10	10	10	9	9		
Greens Bayou	10	7	6	6	6	4	6	9	10	10	10	10	10	10	10	10	10	8	7	7	7	7	7	7	6	6	6	6	6	7	10	10	10	9	8			
Shell Crude	10	7	6	6	5	4	6	9	10	10	10	10	10	10	10	10	10	8	8	8	7	8	8	8	8	8	8	8	7	7	7	7	10	10	10	9	9	
Lynchburg Ferries	9	7	6	6	5	4	6	9	10	10	10	10	10	10	10	10	10	8	8	8	7	8	8	8	8	8	8	7	7	7	7	10	10	10	9	9		
Exxon 3	10	7	6	6	5	4	6	9	10	10	10	10	10	10	10	10	10	8	8	8	7	8	8	8	8	8	8	8	7	7	7	6	10	10	10	9	9	
Morgans Point	10	7	6	6	5	4	6	9	10	10	10	10	10	10	10	10	10	8	8	8	8	8	8	8	8	8	8	8	7	7	7	7	10	10	10	10	9	
75/76	10	7	6	6	6	4	6	9	10	10	10	10	10	10	10	10	10	8	8	8	8	8	8	8	8	8	8	8	8	7	7	7	7	10	10	10	9	9
63/64	10	7	6	6	6	4	6	9	10	10	10	10	10	10	10	10	9	8	8	8	7	8	8	8	8	8	8	8	8	7	7	7	8	10	10	10	9	9
51/52	10	7	8	6	6	4	6	7	9	10	10	10	10	10	10	10	8	8	8	8	7	8	8	8	8	8	8	8	8	7	7	7	8	9	10	10	10	9
37/38	10	7	10	6	6	4	6	7	9	10	10	10	10	10	10	10	8	8	8	8	7	8	8	8	8	8	8	8	8	7	7	7	7	9	10	10	9	9
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1 & 2 Bravo	10	7	10	7	6	3	6	9	9	9	9	10	10	10	10	10	8	8	8	8	7	8	8	8	8	8	8	8	8	7	7	7	9	8	9	9	8	7

Please check visibility slides above for official thinking on fog as the chart isn't 100% perfect.

Houston Pilots Wind Report



Example

Sustained wind 13 Knots
Gusts 18 Knots
Wind from the N

WS: 13
G:18
N

Time Knots	Mon 3am	Mon 4am	Mon 5am	Mon 6am	Mon 7am	Mon 8am	Mon 9am	Mon 10am	Mon 11am	Mon 12pm	Mon 1pm	Mon 2pm	Mon 3pm	Mon 4pm	Mon 5pm	Mon 6pm	Mon 7pm	Mon 8pm	Mon 9pm	Mon 10pm	Mon 11pm	Tue 12am	Tue 1am	Tue 2am	Tue 3am	Tue 4am	Tue 5am	Tue 6am	Tue 7am	Tue 8am	Tue 9am	Tue 10am	Tue 11am	Tue 12pm	Tue 1pm	Tue 2pm	
610 Bridge	5	5	5	5	5	6	6	7	8	8	8	9	9	8	8	11	10	10	9	9	9	9	9	8	8	8	8	9	9	9	10	11	13	14	14	14	15
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Kinder 1	ENE	ENE	ENE	ENE	E	E	ESE	ESE	ESE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SSE	SSE	S	S	S	S	S		
	5	5	5	5	5	6	6	7	8	8	9	9	9	9	8	10	10	10	9	9	9	9	9	8	8	8	9	9	9	10	11	13	14	14	14	15	
Greens Bayou	10	9	9	9	10	10	11	12	13	13	15	16	18	17	16	16	17	16	15	15	15	15	15	15	15	15	16	15	17	19	21	23	24	25	26	26	
	ENE	ENE	ENE	ENE	E	E	ESE	ESE	ESE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SSE	SSE	S	S	S	S	S		
Shell Crude	6	6	5	5	5	6	6	6	8	8	8	9	9	9	8	10	10	10	9	9	9	9	9	9	9	9	9	9	9	10	11	13	14	14	14	15	
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Lynchburg Ferries	ENE	ENE	ENE	ENE	E	E	ESE	ESE	ESE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SSE	SSE	S	S	S	S			
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Exxon 3	11	9	9	9	10	10	11	11	13	14	15	16	17	17	16	16	17	16	15	15	15	15	15	15	16	15	16	15	17	18	21	22	24	25	25		
	ENE	ENE	ENE	ENE	E	E	ESE	ESE	ESE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SSE	SSE	S	S	S	S			
Morgans Point	6	6	6	5	6	6	6	7	8	8	9	10	9	9	8	12	12	12	11	11	11	11	11	10	10	11	11	11	11	12	12	13	14	15	15		
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75/76	ENE	ENE	ENE	ENE	E	E	ESE	ESE	ESE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SSE	SSE	S	S	S	S			
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51/52	9	9	8	8	8	6	7	10	9	9	9	10	10	12	11	13	13	13	13	13	13	13	13	13	12	12	12	12	13	14	15	15	15	15			
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37/38	NE	ENE	NE	NE	ENE	E	ESE	ESE	ESE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SSE	SSE	S	S	S	S			
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11/12	7	8	8	7	10	13	12	12	14	12	11	12	14	14	14	14	14	14	14	14	14	14	14	14	13	13	13	13	14	15	16	16	16	16	16		
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1 & 2 Bravo	NE	ENE	ENE	ENE	E	E	E	E	E	ESE	ESE	ESE	E	ESE	E	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SSE	SSE	SSE	SSE	S	S	S	S			
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Houston Pilots: Mon. 12/12/2022



Forecast Discussion

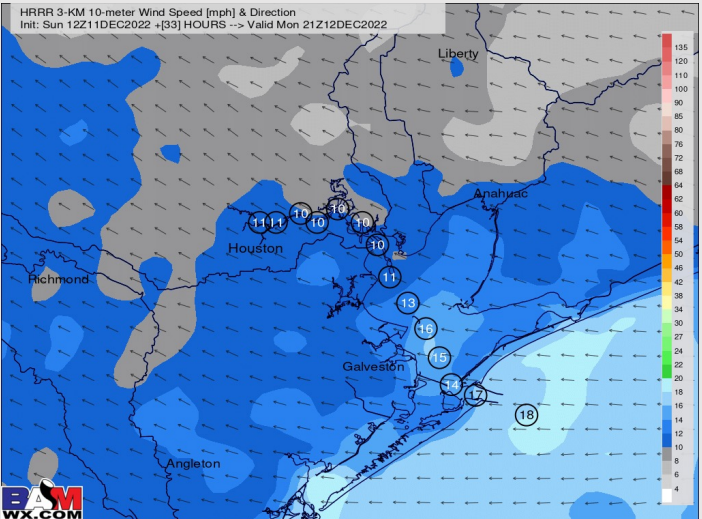
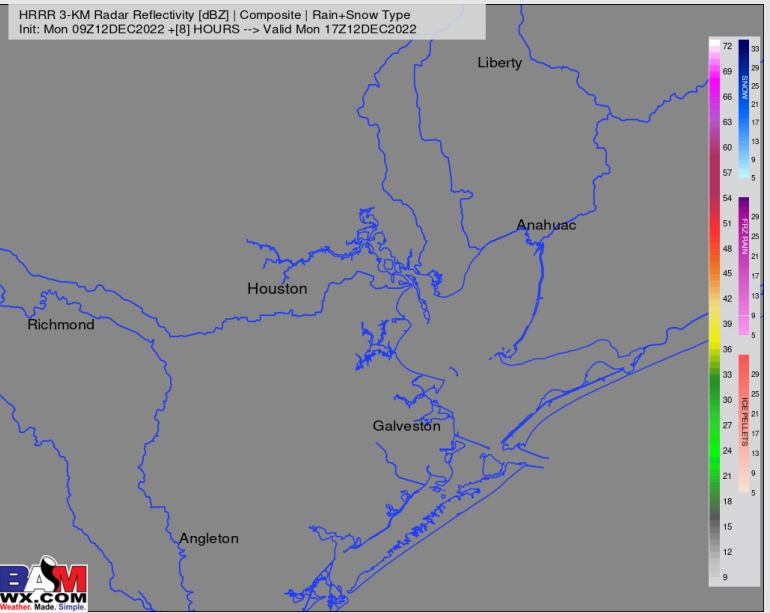
Precip: Anticipating dry conditions for the morning and early afternoon. A 10% chance for a pocket of drizzle will be possible from 2 PM through 6 PM.

Wind: Winds will begin from the NE in the morning and shift from the East by 9 AM, then finally from the ESE from 1 PM to the remainder of the day. Winds will be at 4 – 9 kts across all stations through 8 AM, then pickup to 8 – 13 kts by 10 AM. Winds will increase even more S of Morgan’s point in the afternoon to 12 – 16 kts by 7 PM and remain as such for the evening.

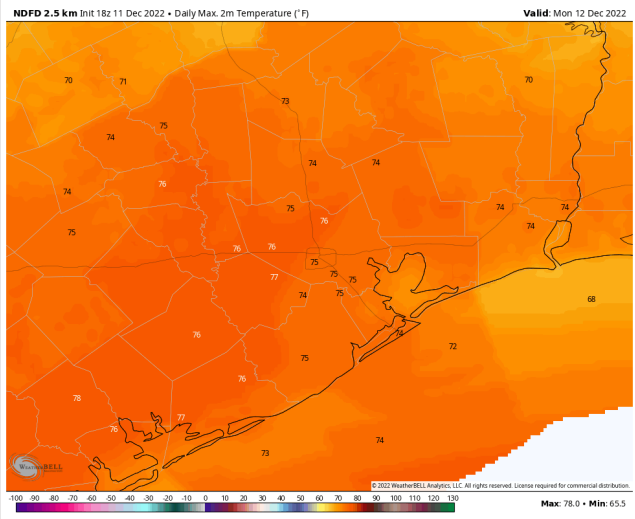
Temps: High temps Monday will be in the mid 70s F north of Morgan’s Point and in the low 70s F south of Morgan’s Point.

Visibility: Check the slides above for the threat of reduced visibility.

Precip Forecast: 1 PM CT



Wind Speed
3 PM CT



High Temps
Monday

Houston Pilots: Tue. 12/13/2022



Forecast Discussion

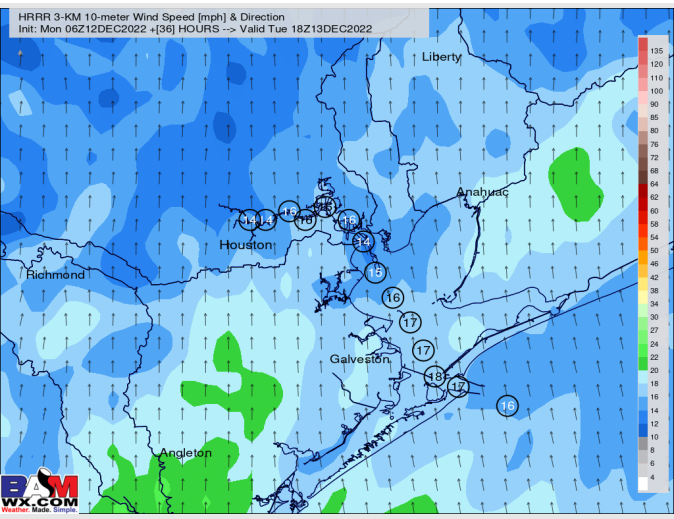
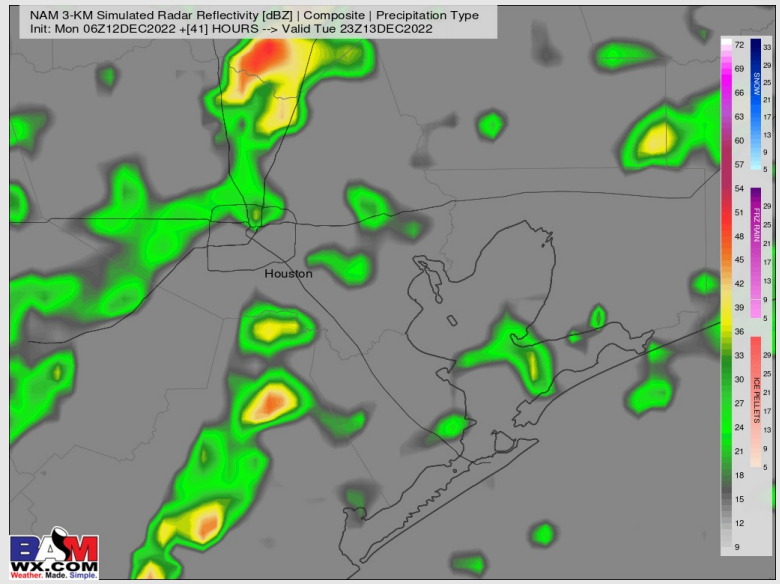
Precip: Favoring dry conditions for the early morning hours. At around 7 AM, very hit and miss rain showers will enter the region and last through mid-afternoon (30% chances). Increased chances for precipitation (showers and thunderstorms) happen between 5 – 11 PM. Spotty showers could linger through midnight as a cold front passes the area.

Wind: SSE winds in the morning and afternoon will be before shifting out of the SW around sundown. Winds will start out at 9 – 14 kts in the morning then increase to 13 – 18 kts by noon with gusts of 18 – 23 knots at the boarding station. Winds likely calm closer to midnight before the next front arrives early Wed AM.

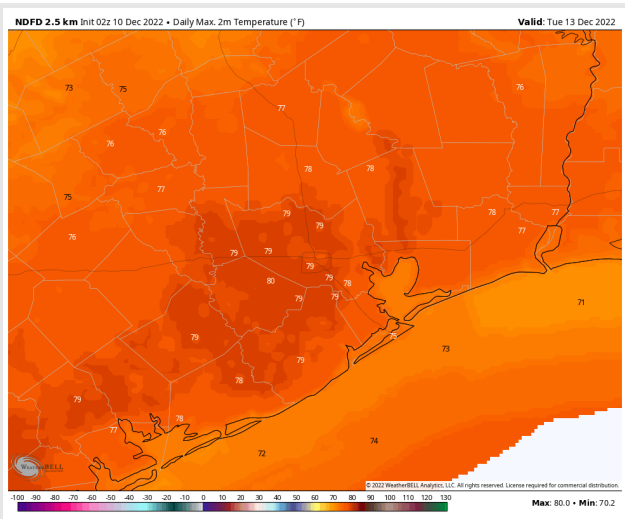
Temps: High temps Tuesday will be in the upper 70s F north of Morgan's Point and in the mid 70s F south of Morgan's Point.

Visibility: Certainly worth watching, but currently favoring winds to be just strong enough to limit fog potential.

Precip Forecast: 7 PM CT



Wind Speed
11 AM CT



High Temps
Tuesday

Houston Pilots: Weds. 12/14/2022



Forecast Discussion

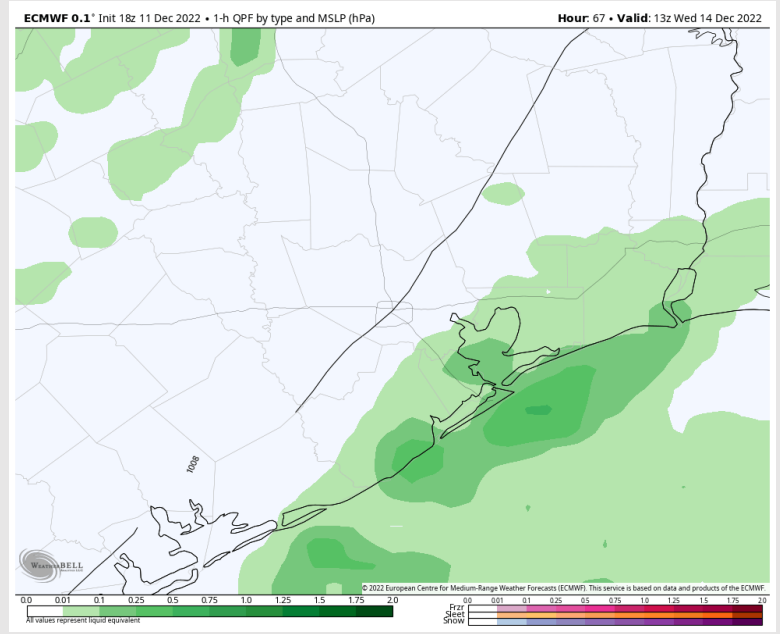
Precip: As a cold front passes the area in the 12-3 AM window Wednesday, showers and a few thunderstorms will be around the area. Lower confidence on exact specifics as data differs on how quickly the front can depart offshore, but hit and miss precip continuing into the afternoon and evening certainly looks possible at this distance. Would favor chances of 40% beyond 6 AM.

Wind: Variable wind direction in the early morning hours from 12 AM - 7 AM will favor a NW wind by 8 AM and remain as such for the rest of the day. Winds north of the Boarding Station will start out at 4 - 7 kts, and while the Boarding Station will be around 9 - 12 kts. By 10 AM winds will pickup across all stations to 11 - 14 kts N of Morgan's point and 16 - 23 kts S of Morgan's Point. From 1 PM through 5 PM winds will calm to 3 - 6 kts N of Morgan's Point for the rest of the day, and 8 - 14 kts S of Morgan's point for the rest of the day. **Wind gusts 8 - 11 AM will be around 22 - 25 kts for a brief period across all stations. After 12 PM, Gusts can be as high as 32 kts S of Morgan's Point. After 3 PM expecting gusty winds to subside, with pockets of up to 20 kts still possible at the Boarding Station.**

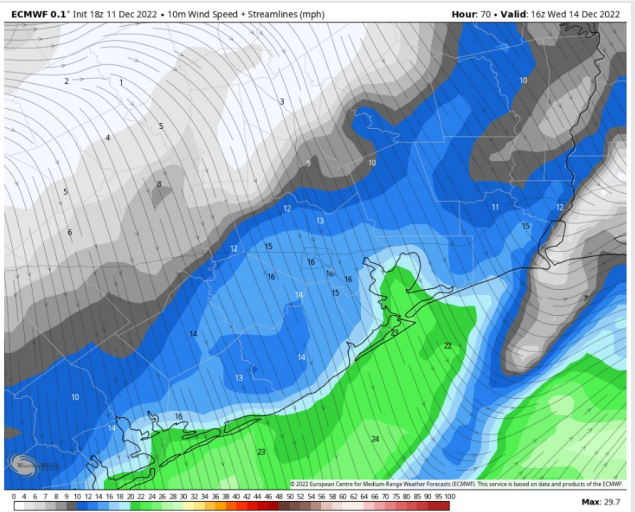
Temps: Much cooler. High temps Wednesday will be in the mid 60s F across all stations.

Visibility: Not anticipating any fog concerns once the front passes. However, heavier thunderstorms could reduce visibilities to less than 2 miles for brief periods mainly at the Boarding Station.

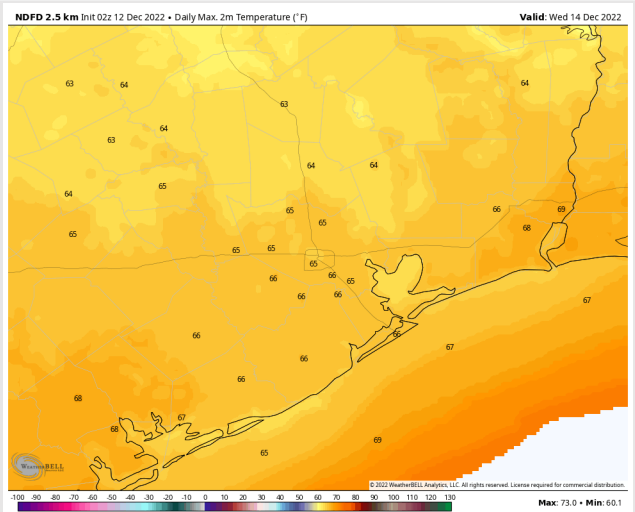
Precip Forecast: 7 AM CT



Wind Speed
10 AM CT



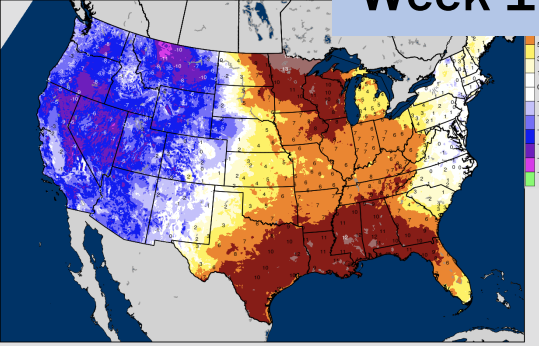
High Temps
Wednesday



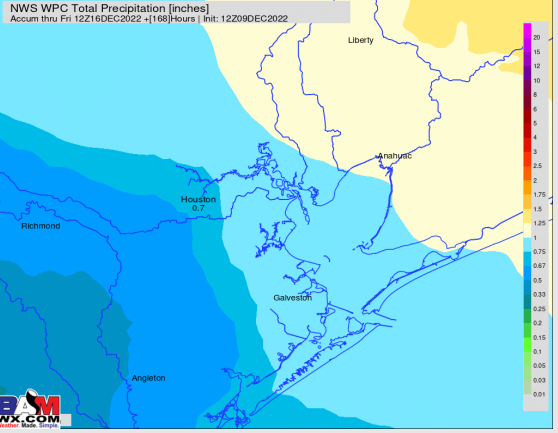
Houston Pilots: 12/12/22

BAMCast Average Temperature Anomaly [°F]
7-DAY AVG for Fri 09DEC2022 thru Thu 15DEC2022 Days 1 to 7

Week 1

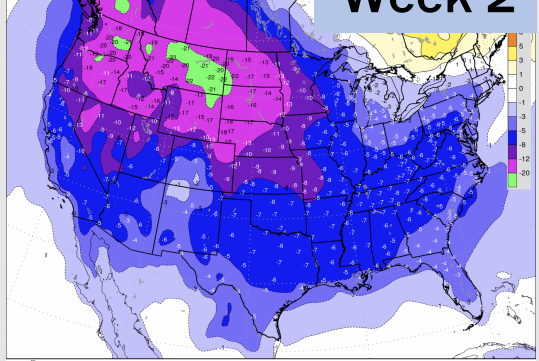


NWS WPC Total Precipitation [inches]
Accum thru Fri 12Z16DEC2022 +[168]Hours | Init: 12Z09DEC2022

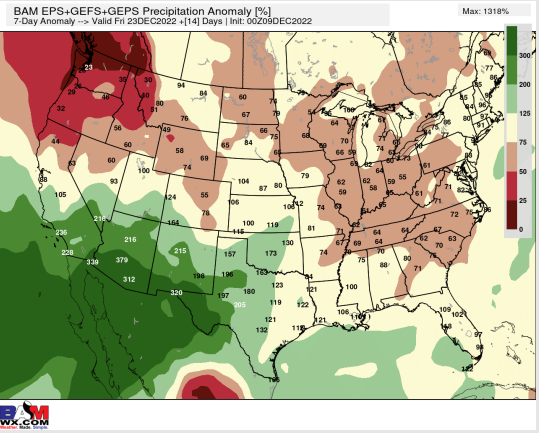


BAM EPS-GEFS 7-Day Average | 2-meter Temperature Anomaly [°F]
Init: Fri 00Z09DEC2022 - [936] HOURS -> Valid Fri 00Z23DEC2022

Week 2

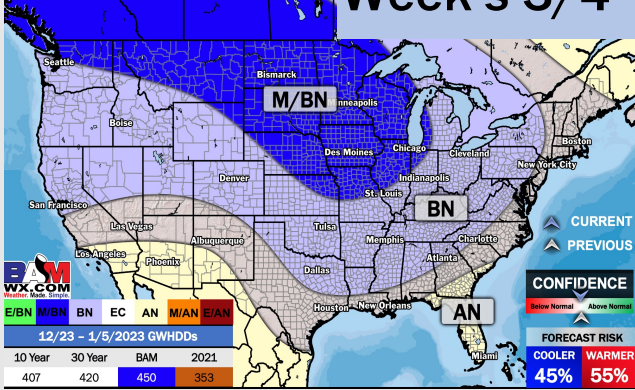


BAM EPS-GEFS-GEPS Precipitation Anomaly [%]
7-Day Anomaly -> Valid Fri 23DEC2022 +[14] Days | Init: 00Z09DEC2022

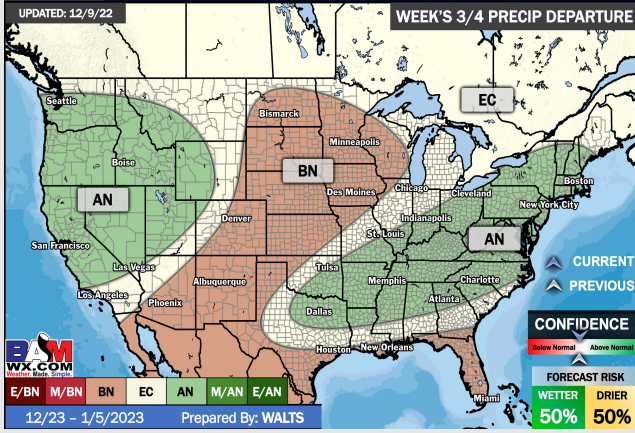


UPDATED: 12/9/22

Week's 3/4



UPDATED: 12/9/22



- Minor, hit and miss light rain chances will be possible tomorrow with better rain chances moving in Tuesday and Wednesday. 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 ¾ timeframe looks to feature below normal temperatures and equal chances to below normal for precipitation.