

Houston Pilots Forecast Package



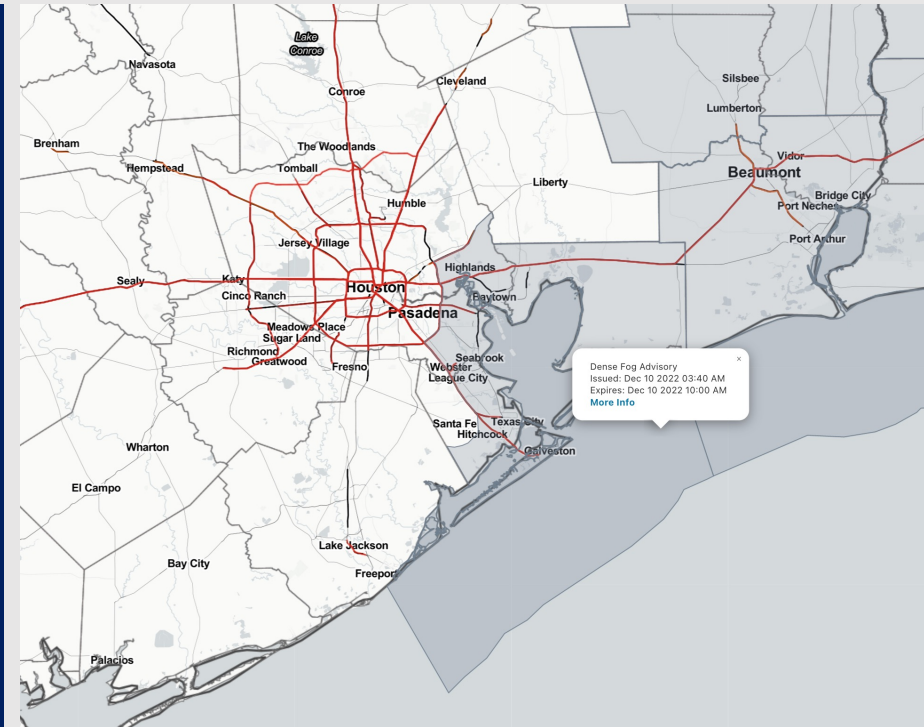
Updated: 4:55 AM CT

Saturday, December 10, 2022

Forecaster: John Kemper

Weather Headlines

- Hit and miss pockets of drizzle will be possible the next few days with a substantial shot of rain coming in late this evening into the early morning hours of Sunday.
- Winds will generally stay within the 5 – 15 kt range over the next two days. Winds will be out of the ESE/SE today and flip from the NW late Sunday morning. Winds will then shift back to the SE again sometime Monday afternoon.
- **Fog chances will be at play over the next 36 hours. Please check out the slides below where we try to nail down timing as best as possible. General confidence is very low at this time. Monday AM has patchy fog chances as well.**



Radar/NWS Alerts: 4:55 AM CT



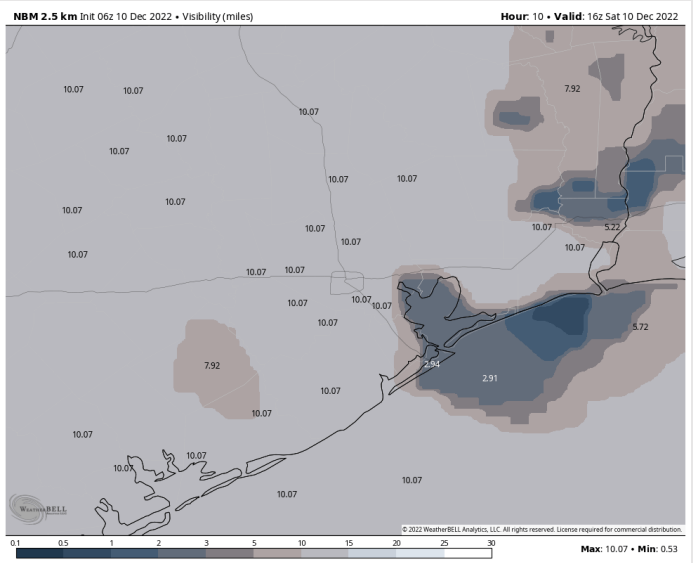
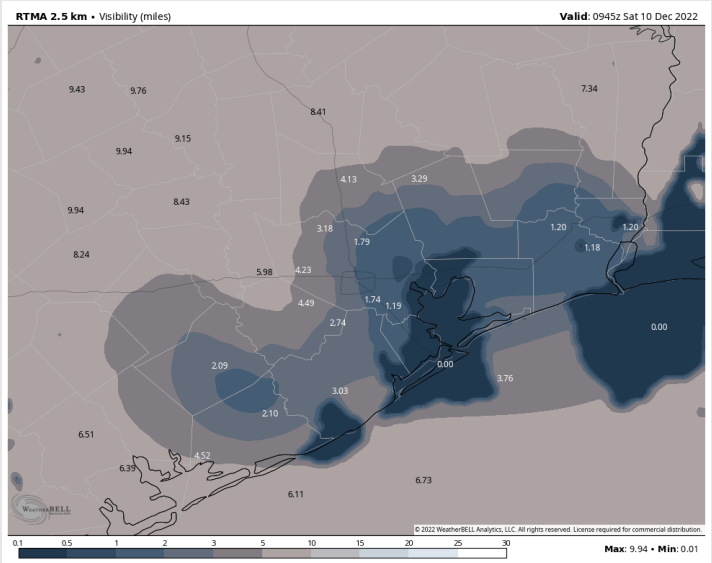
As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.

Houston Pilots Visibility Report



Current VISIBILITY 10 AM CT SAT VISIBILITY

Confidence



Above Normal

Below Normal

Reduced Visibility Threat

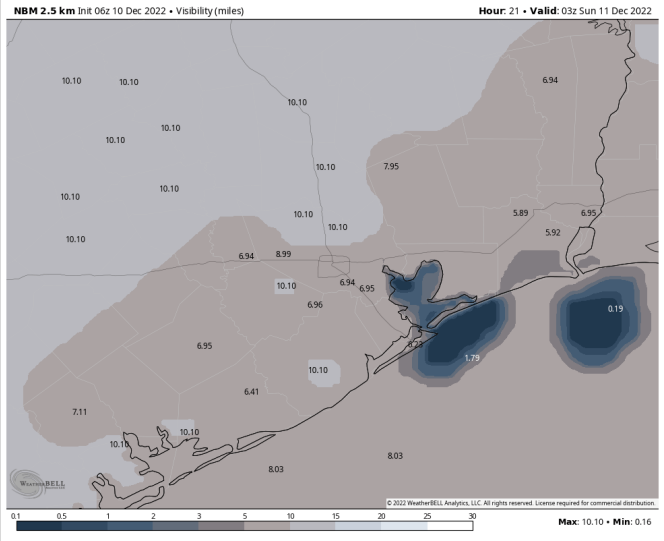
NOW – 12 PM SAT **Medium**

- Very low confidence with both periods as there is a wide discrepancy in model data.
- Areas of dense fog will likely continue for all pilot locations N of the Boarding Station through 10AM-CT. Patchy dense fog for the boarding station / alpha-bravo will continue to remain possible.
- Favoring sea fog to gradually diminish after 10AM-CT, with visibility improving to 3-5 miles for majority of locations. Can't rule out pockets of patchy, dense fog for locations N of Morgan's point, but should remain fairly isolated. Lower confidence beyond 10AM at this time.
- Periods of light showers through the afternoon and more easterly winds will likely continue to limit fog chances through 9PM-CT Saturday Evening (**See Next Slide for Latest Thoughts on Saturday Night**)

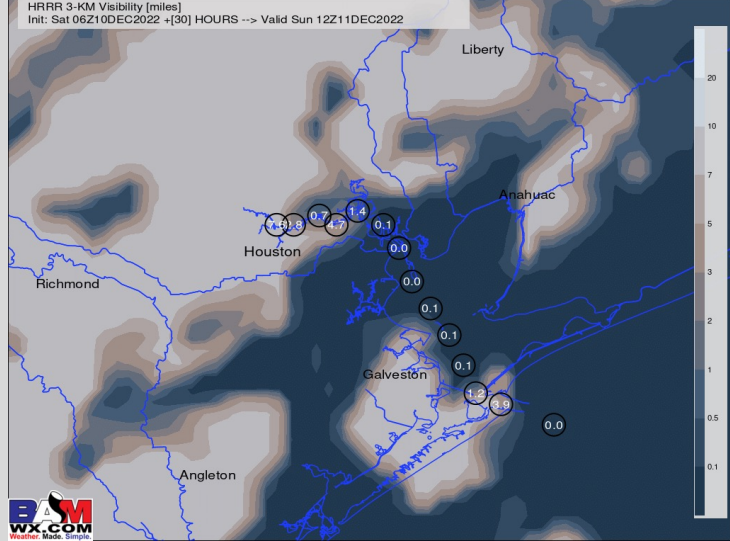
Houston Pilots Visibility Report



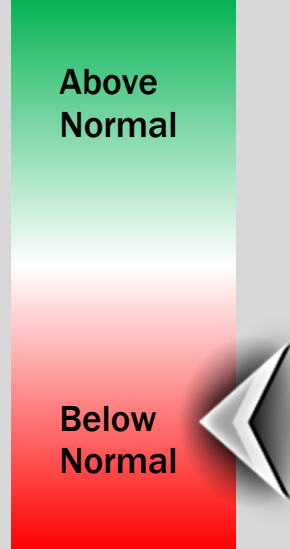
9 PM CT SAT VISIBILITY



6 AM CT SUN VISIBILITY



Confidence



Reduced Visibility Threat

9 PM SAT – 10 AM SUN

Medium

- Favoring patchy, dense fog to begin to build for locations S of Morgan’s Point by 9PM-CT. As with this previous Friday night, lower confidence exists for timing in terms of when visibility risk will initiate.
- Favoring widespread, dense fog to be of greatest risk between 12AM-CT – 4AM-CT Sunday. By 6AM-CT, fog risk will become more patchy for all locations, but lower confidence remains as to when risk will end in morning. Based on latest data, favoring the 9AM-CT time frame.

Houston Pilots Extended Range Visibility Report



Tuesday 12/13/22

Anticipating winds to remain out of the SW pending an approaching front. Wind speeds may have a determining factor on fog formation as they will be on the cusp of being too strong for fog. 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.



Thursday 12/15/22

Northwesterly dry air expected. No fog concerns.



Wednesday 12/14/22

Anticipating winds to shift from out of the NW Wednesday from a cold front passage. This will bring an end to fog potentials.



Chance for Reduced Visibility

Tuesday AM	Possible
Tuesday PM	Possible
Wednesday AM	Unlikely
Wednesday PM	Unlikely
Thursday AM	Unlikely
Thursday PM	Unlikely

Houston Pilots Visibility Report



Time	Sat 4am	Sat 5am	Sat 6am	Sat 7am	Sat 8am	Sat 9am	Sat 10am	Sat 11am	Sat 12pm	Sat 1pm	Sat 2pm	Sat 3pm	Sat 4pm	Sat 5pm	Sat 6pm	Sat 7pm	Sat 8pm	Sat 9pm	Sat 10pm	Sat 11pm	Sun 12am	Sun 1am	Sun 2am	Sun 3am	Sun 4am	Sun 5am	Sun 6am	Sun 7am	Sun 8am	Sun 9am	Sun 10am	Sun 11am	Sun 12pm	Sun 1pm	Sun 2pm	Sun 3pm
610 Bridge	0.77	0.7	0.7	1	0.53	7	10	10	10	10	10	10	10	10	10	10	10	8	6	5	4	2	0.52	0.52	0.28	0.24	0.24	0.28	0.13	0.31	3	6	10	10	10	10
Kinder 1	0.88	0.73	0.68	1	0.58	7	10	10	10	10	10	10	10	10	10	10	10	8	6	5	4	2	0.84	0.52	0.28	0.24	0.24	0.34	1	0.47	3	6	10	10	10	10
Greens Bayou	2	2	0.53	0.86	1	7	10	10	10	10	10	10	10	10	10	10	10	8	6	6	4	3	1	0.61	0.45	0.24	0.24	0.36	1	0.75	4	6	10	10	10	10
Shell Crude	0.88	0.73	0.45	0.69	0.58	7	10	10	10	10	10	10	10	10	10	10	10	8	6	5	4	3	3	0.61	0.28	0.24	0.24	0.36	1	0.75	4	6	10	10	10	10
Lynchburg Ferries	1	0.73	0.29	0.56	0.29	6	10	10	10	10	10	10	10	10	10	10	10	8	6	5	4	3	3	0.61	0.36	0.24	0.24	0.36	1	0.75	4	6	10	10	10	10
Exxon 3	0.77	0.53	0.29	0.29	0.29	5	10	10	10	10	10	10	10	10	10	10	10	7	6	4	3	3	3	0.61	0.28	0.24	0.24	0.36	1	0.75	4	6	10	10	10	10
Morgans Point	0.77	0.53	0.29	0.29	0.29	4	9	10	10	10	10	10	10	10	10	10	9	7	5	4	4	3	3	1	0.28	0.24	0.24	0.36	1	2	4	6	10	10	10	10
75/76	0.77	0.53	0.29	0.29	0.29	4	9	10	10	10	10	10	10	10	10	10	8	6	4	3	4	3	3	3	0.28	0.24	0.24	0.36	1	1	4	6	10	10	10	10
63/64	0.77	0.53	0.29	0.29	0.29	1	6	10	10	10	10	10	10	10	10	10	7	6	4	4	4	3	4	4	0.28	0.24	0.24	0.28	1	1	3	6	10	10	10	10
51/52	0.53	0.53	0.29	0.29	0.29	0.93	2	10	10	10	10	10	10	10	10	10	8	6	4	4	4	3	4	4	0.28	0.24	0.89	0.53	0.89	1	3	6	9	10	10	10
37/38	0.53	0.53	0.29	0.29	0.29	0.53	1	8	10	10	10	10	10	10	10	10	9	6	5	4	4	3	3	4	0.28	0.24	0.89	2	0.3	1	4	6	9	10	10	10
25/26	0.53	0.53	0.29	0.29	0.29	0.53	1	2	9	10	10	10	10	10	10	10	9	6	5	4	4	3	3	3	0.57	0.24	0.99	4	1	3	5	6	8	10	10	10
11/12	0.53	0.53	0.53	0.46	0.29	0.53	1	2	6	10	10	10	10	10	10	10	9	6	5	4	3	2	2	4	0.28	0.24	1	4	1	2	4	6	7	10	10	10
1 & 2 Bravo	0.77	0.53	0.53	0.29	0.29	0.53	1	2	2	6	6	7	9	8	10	10	5	3	5	5	5	4	1	6	0.24	0.22	0.81	4	0.86	0.46	2	4	5	5	5	7

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

Houston Pilots: sat. 12/10/2022



Forecast Discussion

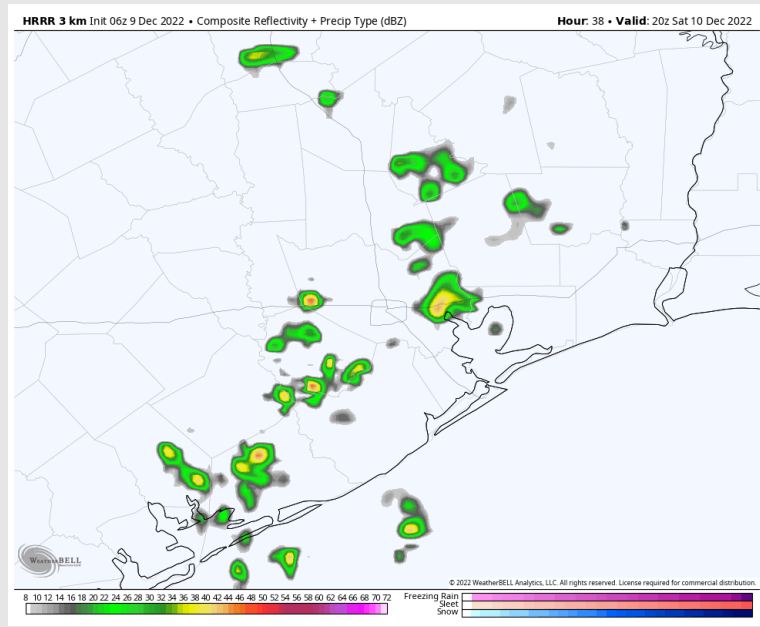
Precip: Dry conditions until 12 PM on Saturday. From 12 - 2 PM, 20-30% chance of scattered showers/storms around the area, with coverage increasing to 70-80% after 2 - 6 PM and continuing throughout the rest of the evening.

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.

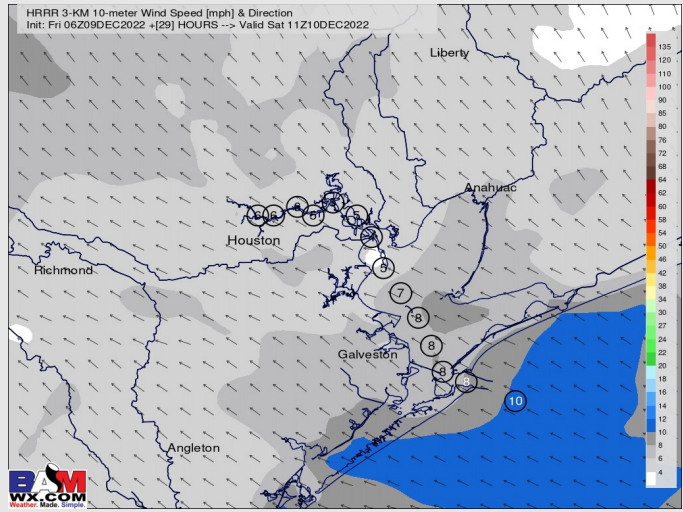
Temps: High temperatures for Saturday will be near 80 F/high 70's north of the boarding station and low 70's near the boarding station.

Visibility: Patchy fog is possible during the AM hours, with lower confidence on fog risks through the evening Saturday into Sunday. More details found on fog slide above.

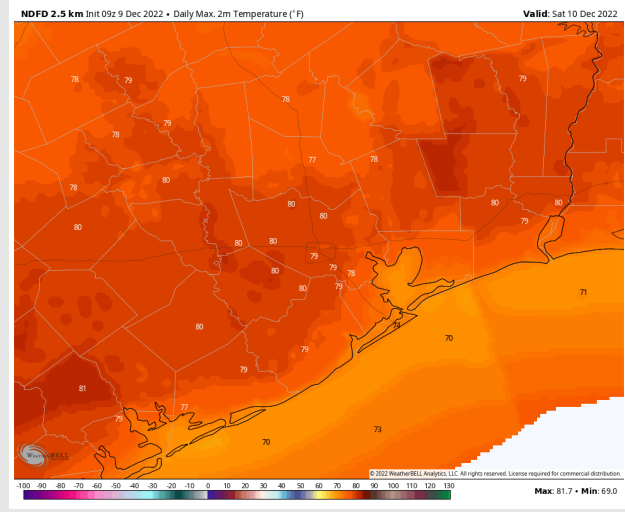
Precip Forecast: 8 PM CT



Wind Speed
5 AM CT



High Temps
Saturday



Houston Pilots: Sun. 12/11/2022



Forecast Discussion

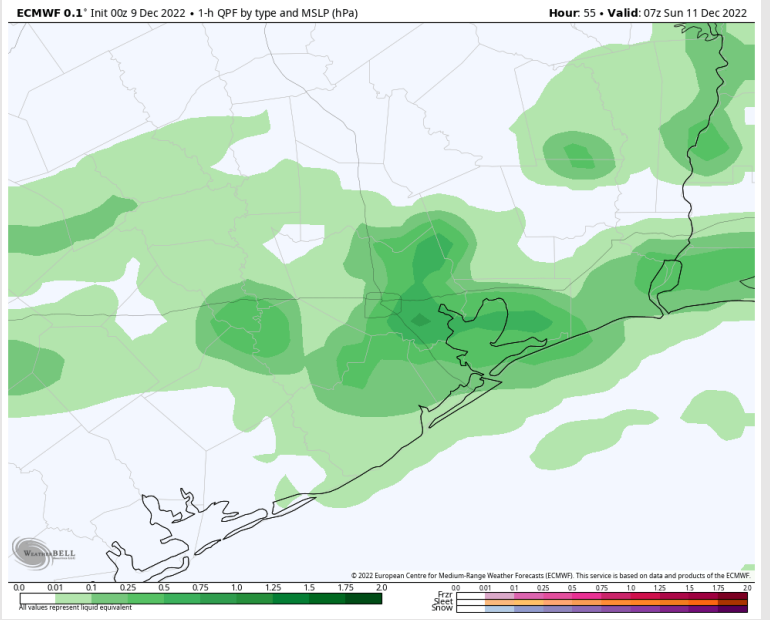
Precip: Anticipating Saturdays scattered showers/storms to continue into Sunday lasting until 7 AM CT at ~70% coverage. After 7 AM favoring chances for scattered showers/storms to decrease to 20-40% until 9 AM CT. After 9 AM CT anticipating dry conditions until around 3 PM CT. After 3 PM CT favoring 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: Anticipating winds to be out of the S early Sunday AM at 4- 10 kts. As the morning progresses, winds will become more variable at 1 - 6 kts. Expecting winds to shift out of the N/NW around 10 AM and continue at 1 - 6 kts for the rest of the day.

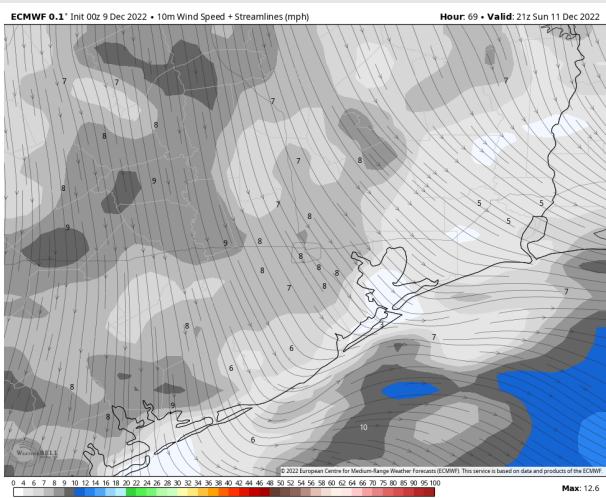
Temps: High temps Sunday will be in the low 70s F near the boarding station and in the mid 70s F at all other locations

Visibility: Patchy dense / widespread dense fog will again be possible this evening and through the overnight.

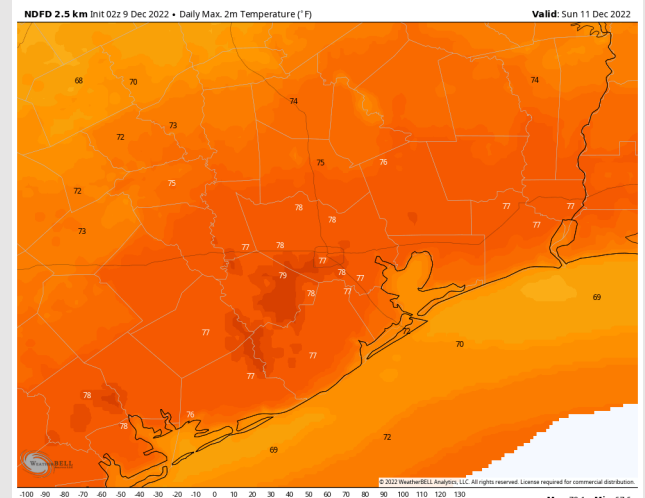
Precip Forecast: 1 AM CT



Wind Speed
3 PM CT



High Temps
Sunday



Houston Pilots: Mon. 12/12/2022



Forecast Discussion

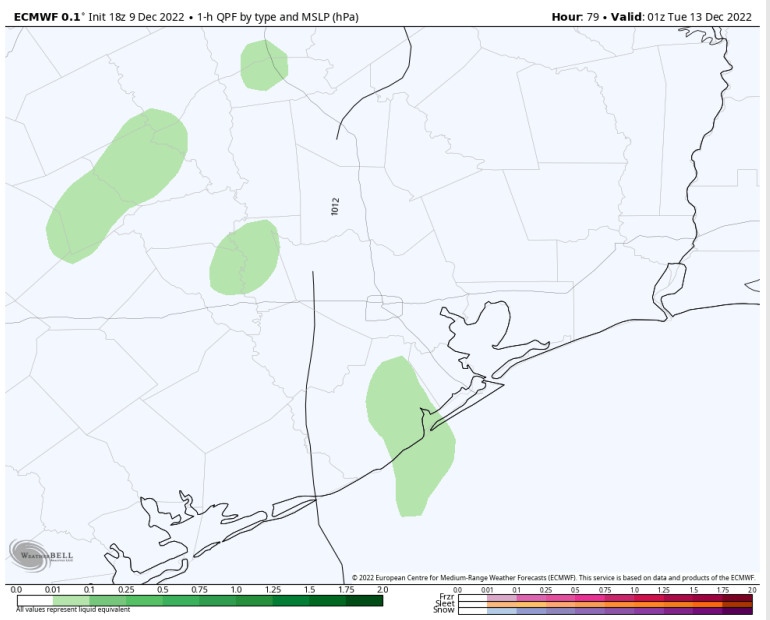
Precip: Anticipating dry conditions for the morning and early afternoon. A 10% chance for a pop-up shower will be possible from 5 PM through 12 AM.

Wind: Winds will begin from the NE in the morning and shift from the East by 10 AM, then finally from the ESE to SE from 2 PM to the remainder of the day. Winds will be at 4 – 9 kts across all stations in the morning, then pickup to 8 – 11 kts by 2 PM. 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.

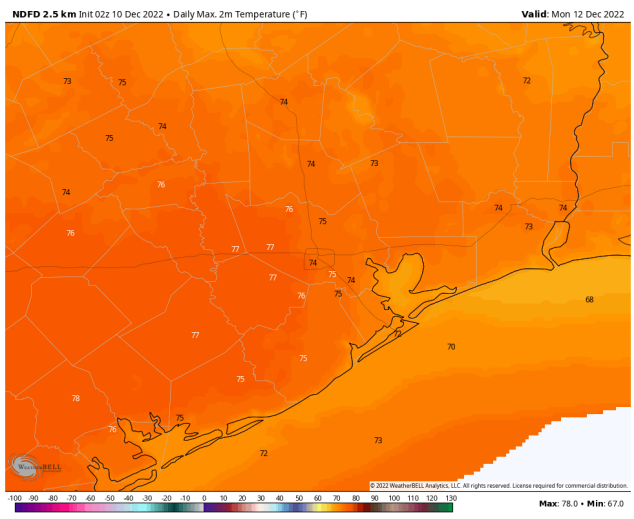
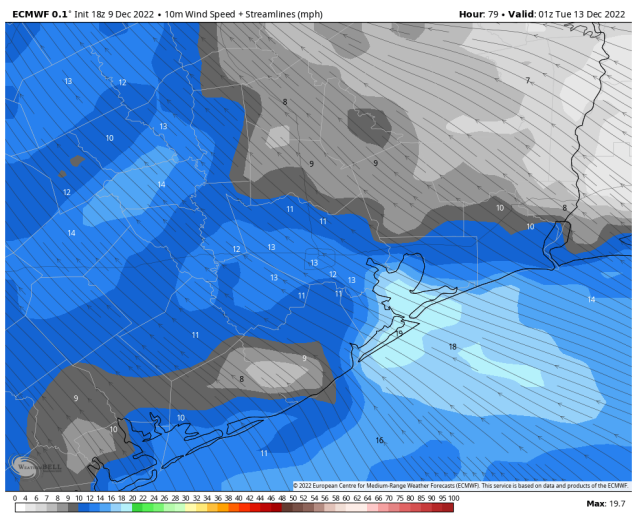
Temps: High temps Monday will be in the mid 70s F north of Morgan’s Point and in the low 70s F south of Morgan’s Point.

Visibility: A low-end risk for patchy fog will exist in the AM hours mainly north of Morgan’s Point, but low confidence exists at the moment. More information will come in future updates.

Precip Forecast: 7 PM CT



Wind Speed
7 PM CT

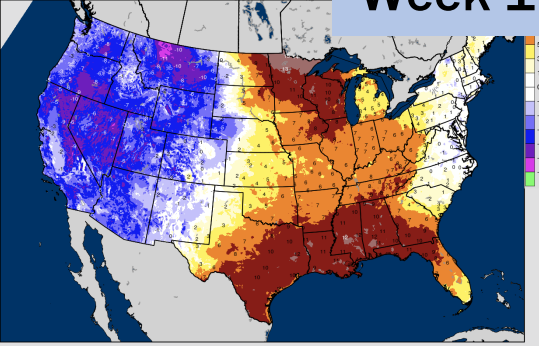


High Temps
Monday

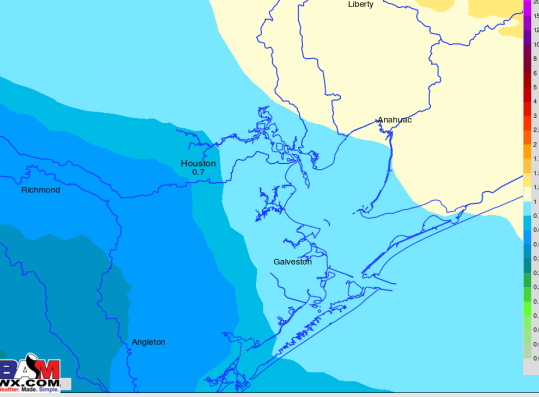
Houston Pilots: 12/10/22

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

Week 1

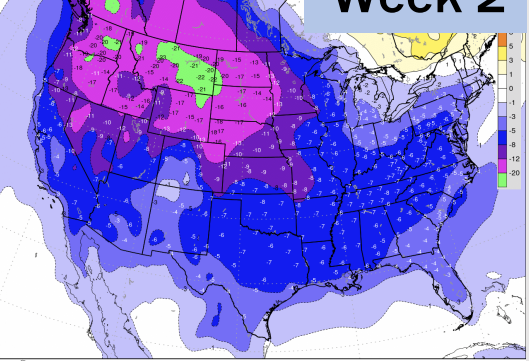


NWS WPC Total Precipitation [inches]
Accum thru Fri 12Z16DEC2022 +[168]Hours | Init: 12Z09DEC2022

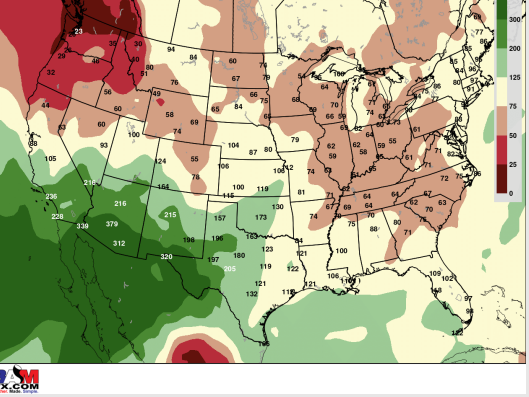


BAM EPS-GEFS 7-Day Average | 2-meter Temperature Anomaly [°F]
Init: Fri 00Z09DEC2022 [-398] HOURS -> Valid Fri 00Z23DEC2022

Week 2

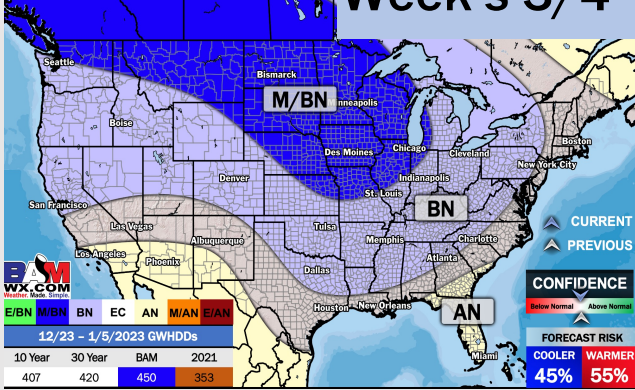


BAM EPS-GEFS-GEPS Precipitation Anomaly [%]
7-Day Anomaly -> Valid Fri 23DEC2022 [+14] Days | Init: 00Z09DEC2022



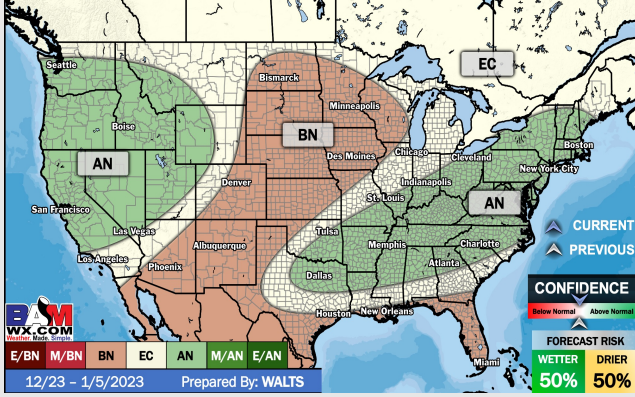
UPDATED: 12/9/22

Week's 3/4



UPDATED: 12/9/22

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 to below normal for precipitation.