

Houston Pilots Forecast Package



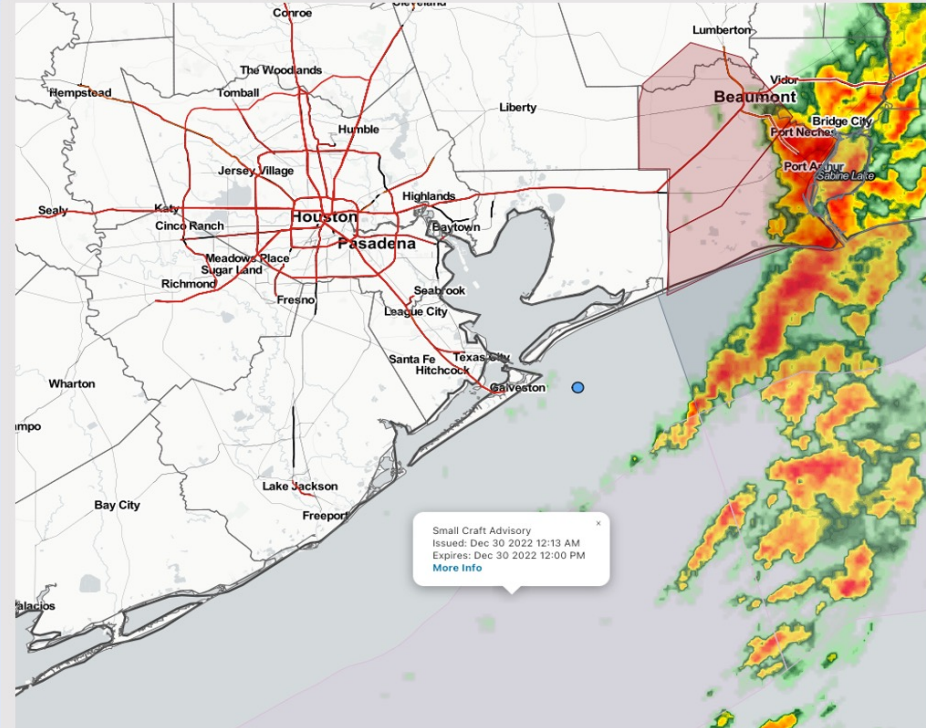
Updated: 5:00 AM CT

Friday, December 30, 2022

Forecaster: Alyssa McClung

Weather Headlines

- **Reduced visibility will be a cause for concern out through Monday morning. While there will not be dense fog out through then, pockets of fog will be possible given lighter winds and a favorable environment overall.**
- **We do not believe the forecast on the 36 hour visibility chart is 100% accurate, please reference our visibility slides below for official BAM thoughts.**
- **Outside a few spotty showers Sunday PM, a mainly dry weekend is in store. Rain chances return Monday AM and continue through Tuesday.**
- **Elevated winds work back into the cards Monday before a front works back in Tuesday and wipes out the fog threat for a few days.**



Radar/NWS Alerts: 5:00 AM CT



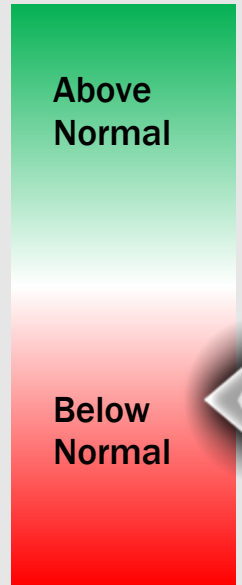
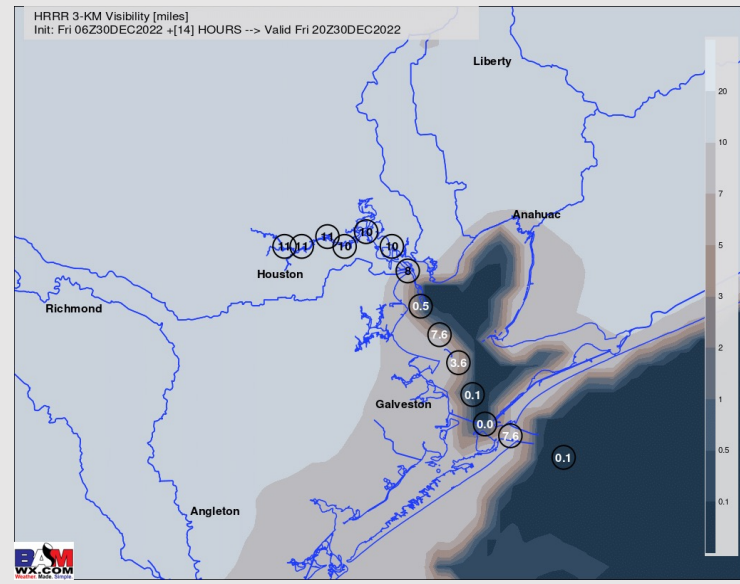
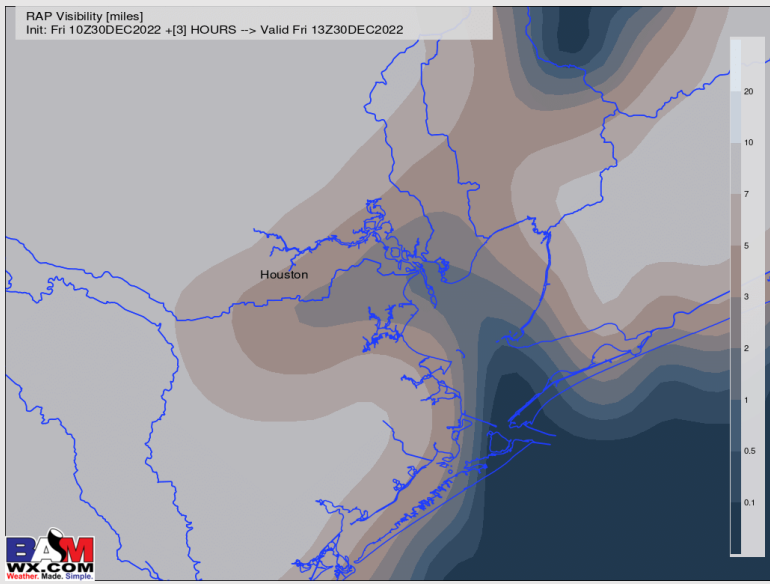
As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.

Houston Pilots Visibility Report



7 AM CT FRI VISIBILITY 2 PM CT FRI VISIBILITY

Confidence



TIME	THREAT
Now – 6 PM FRI	Med - High

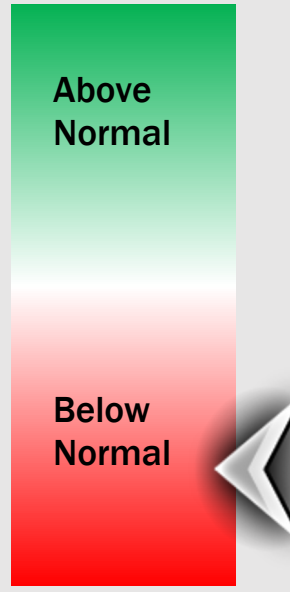
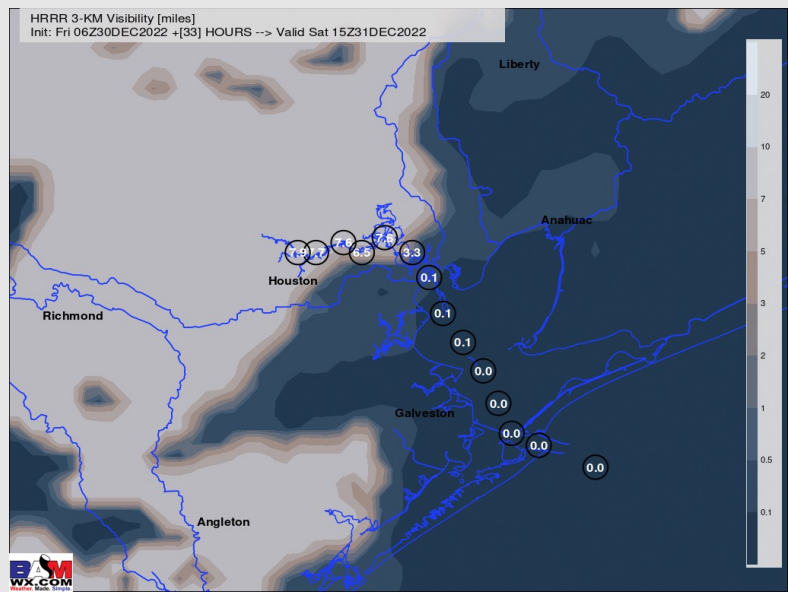
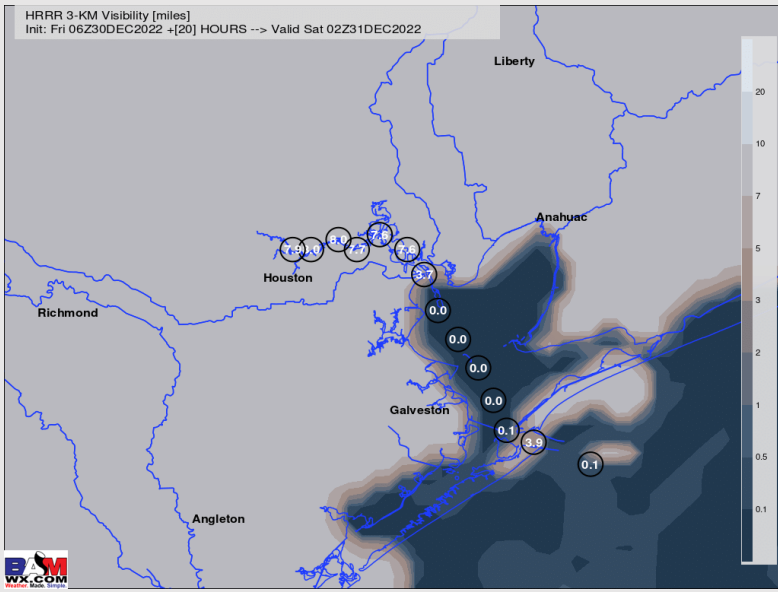
- Dense fog with visibilities of less than 0.5 mile is expected to continue to develop around the area throughout the morning with the focus being for stations south of Morgan’s Point including the Boarding Station. Isolated cases of patchy fog will be possible north of Morgan’s Point.
- Into the early – mid PM hours (approx. 12 – 6 PM) of Friday is when the best opportunities present themselves for patchier fog and for slight improvement of visibilities.
- It is likely that by Friday evening (approx. after 6 PM), dense fog is able to re-develop and continue into Saturday.

Houston Pilots Visibility Report



8 PM CT FRI VISIBILITY 9 AM CT SAT VISIBILITY

Confidence



TIME	THREAT
6 PM FRI – 6 PM SAT	Med - High

- Low confidence on specifics from Friday Evening into Saturday Evening, however the risk for dense fog with visibilities less than 0.5 miles is expected for the area.
- After fog redevelops after ~6 PM Friday evening, it is expected to gradually become more widespread impacting all stations.
- Anticipating fog to become patchy in nature mid-day Saturday with coverage moving to stations south of Morgan's Point.
- The risk for patchy dense fog will linger beyond 6 PM Saturday.

Houston Pilots Extended Range Visibility Report



Monday 1/2/23

Monday's winds will need to be watched carefully as there are very near being too strong for fog. Otherwise, this would be a good fog setup.



Tuesday 1/3/23

A front passing in the AM hours of Tuesday will limit the threat of fog working into Tue.



Wednesday 1/4/23

Winds out of the N will reduce fog chances.



Chance for Reduced Visibility

Monday AM	Possible
Monday PM	Possible
Tuesday AM	Unlikely
Tuesday PM	Unlikely
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	10	10	6	6	5	3	5	9	10	10	10	10	10	10	10	10	10	9	6	5	4	3	2	0.48	0.48	0.37	0.48	4	4	4	9	10	10	10	10	10
Kinder 1	10	10	6	6	5	3	5	9	10	10	10	10	10	10	10	10	10	9	6	5	4	3	2	1	0.48	0.37	0.48	4	4	4	9	10	10	10	10	10
Greens Bayou	10	10	6	6	5	3	5	9	10	10	10	10	10	10	10	10	10	8	6	5	4	3	2	1	0.48	0.34	0.48	2	2	4	8	10	10	10	10	10
Shell Crude	10	10	6	6	5	3	5	9	10	10	10	10	10	10	10	10	10	9	6	5	4	3	2	1	0.48	0.25	0.48	0.95	1	4	8	10	10	10	10	10
Lynchburg Ferries	10	10	6	6	5	3	5	9	10	10	10	10	10	10	10	10	10	8	6	5	4	3	2	1	0.41	0.24	0.48	0.72	0.59	4	8	10	10	10	10	10
Exxon 3	10	10	6	6	5	3	5	9	10	10	10	10	10	10	10	10	10	8	6	5	4	3	1	1	0.24	0.24	0.48	0.72	0.72	4	8	10	10	10	10	10
Morgans Point	10	10	6	6	5	3	5	9	10	10	10	10	10	10	10	10	10	8	6	5	4	3	1	1	0.24	0.24	0.48	2	4	4	8	10	10	10	10	10
75/76	10	10	6	6	5	3	5	9	10	10	10	10	10	10	10	10	10	8	6	5	4	3	1	1	0.24	0.24	0.48	4	4	4	8	10	10	10	10	10
63/64	10	10	6	6	5	3	5	9	10	10	10	10	10	10	10	10	10	8	6	5	4	3	0.48	0.48	0.24	0.48	0.62	4	4	4	8	10	10	10	10	10
51/52	7	7	6	6	4	2	3	7	9	10	10	10	10	10	10	10	10	8	6	4	4	3	0.48	0.48	0.24	0.48	3	4	4	4	8	10	10	10	10	10
37/38	5	4	4	4	4	2	2	6	8	9	9	10	10	10	10	10	9	7	5	4	4	3	0.48	0.48	0.24	0.48	3	4	4	4	7	10	10	10	10	10
25/26	4	4	4	4	4	2	2	5	7	9	9	8	9	9	10	9	7	6	5	4	3	3	0.48	0.48	0.31	0.48	3	4	4	3	6	10	10	10	10	10
11/12	4	3	4	3	4	2	2	3	7	9	7	7	9	7	10	9	7	6	4	4	3	3	0.48	0.48	0.31	0.48	3	4	4	3	6	10	10	10	10	10
1 & 2 Bravo	3	3	2	1	0.53	0.29	2	3	7	6	6	3	3	6	6	3	1	0.83	0.36	0.36	0.18	0.22	0.18	0.18	0.22	0.22	0.33	1	3	5	3	6	7	7	7	7

Please check visibility slides above for official thinking on fog as this chart may not be 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	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	6	4	4	5	4	7	7	7	5	5	5	4	3	3	2	5	4	3	3	3	3	3	3	2	2	2	3	3	3	3	4	5	6	6	6	7
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Kinder 1	6	4	3	5	4	7	7	6	5	5	4	4	3	3	2	5	3	3	3	3	3	3	2	2	2	3	3	3	4	4	4	5	6	5	6	7
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Greens Bayou	3	4	3	5	4	7	8	7	6	5	4	5	3	4	2	5	3	3	3	3	3	3	2	2	2	3	3	3	3	4	4	5	5	6	6	
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Shell Crude	5	5	4	5	4	6	7	7	6	5	4	5	4	4	2	5	4	4	3	3	3	3	3	3	3	3	3	3	3	3	4	5	5	6	6	
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Lynchburg Ferries	4	5	5	5	5	7	8	7	6	5	4	5	4	4	2	6	6	5	4	4	4	4	4	4	4	4	4	5	5	5	5	5	6	6	6	
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Exxon 3	6	6	5	6	4	6	7	7	6	5	4	4	4	3	2	6	6	5	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	6	6	
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Morgans Point	6	10	8	8	4	5	6	6	7	5	4	4	4	4	2	6	5	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	6	
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1 & 2 Bravo	15	14	8	7	6	6	8	7	6	4	7	5	5	3	5	5	4	4	4	4	4	4	5	6	6	6	6	5	5	5	5	5	5	5	5	
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Houston Pilots: Fri. 12/30/2022



Forecast Discussion

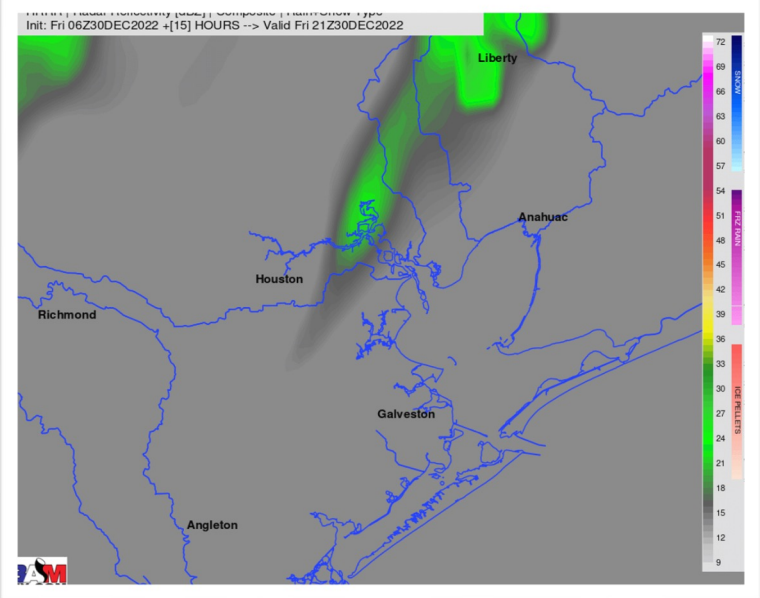
Precip: Exiting rain showers in the morning will look to clear out by 7 AM, but pockets of drizzle will be possible (10% chance) for the remainder of the day in an isolated fashion.

Wind: Southerly winds in the AM will shift variable by 9 AM and for the remainder of the day (low confidence on wind direction). Winds will generally be in the 5 – 10 kt range for the majority of the day, with pockets of elevated winds at 10 – 15 kts possible until noon. Wind gusts can be up to 20 kts for the same timeframe at the boarding station.

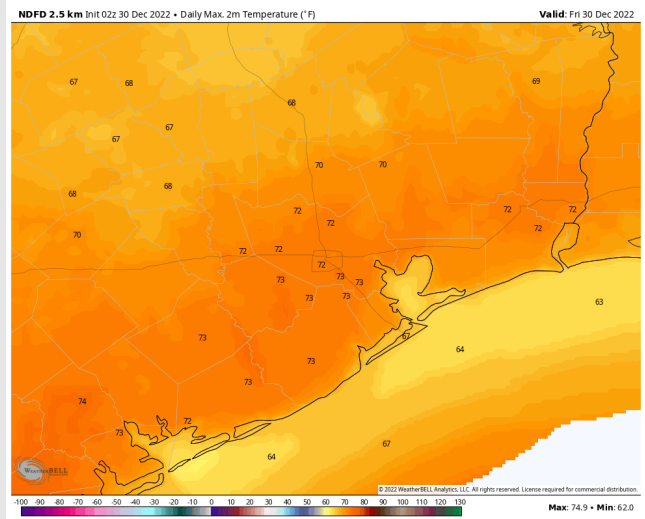
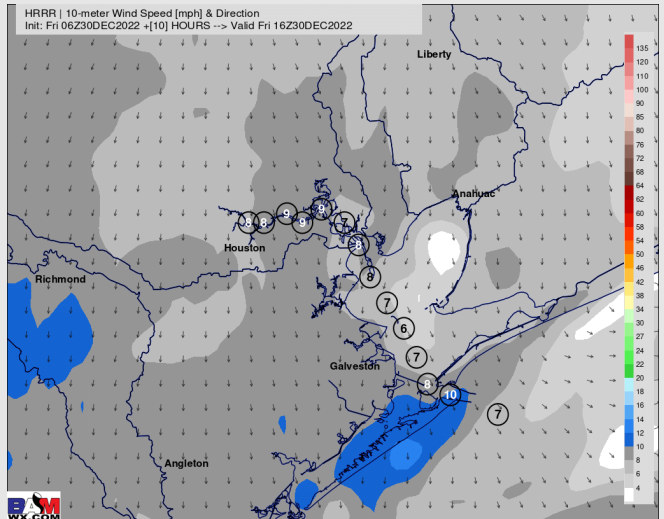
Temps: High temps Friday will be in the lower 70s F north of Morgan’s Point and in the mid to upper 60s F south of Morgan’s Point.

Visibility: Details on reduced visibility on the AM in slides above. By the afternoon, the winds shifting from the north **should** limit fog concerns.

Precip Forecast: 3 PM CT



Wind Speed
10 AM CT



High Temps
Today

Houston Pilots: sat. 12/31/2022



Forecast Discussion

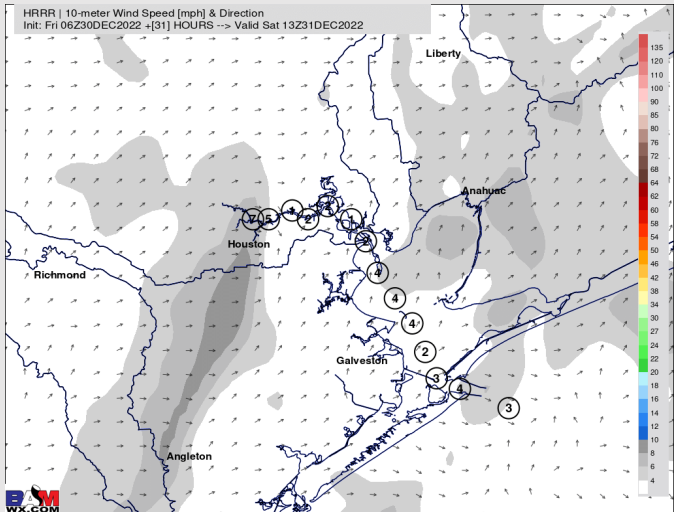
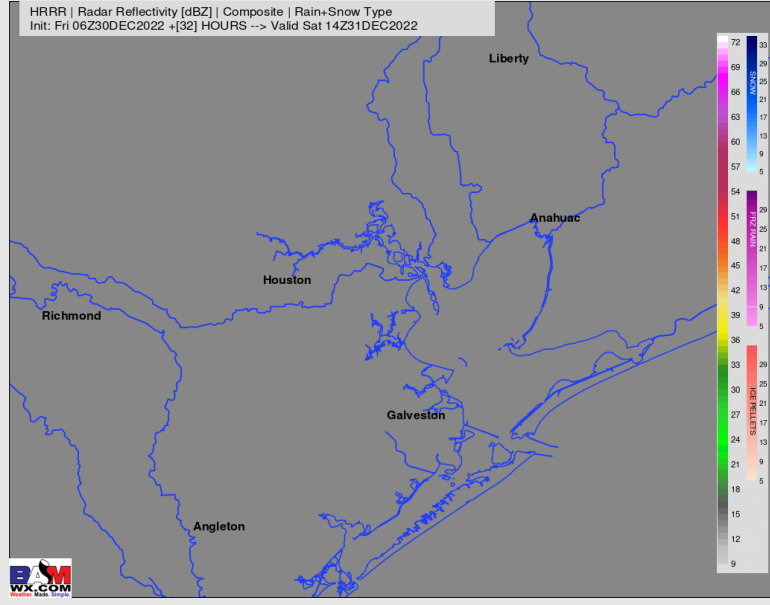
Precip: Anticipating dry conditions throughout the day on Saturday.

Wind: Winds will start out of the north and shift to coming from the west by 6 AM. Winds will then shift to from the SSW by 1 PM and stay there the rest of the day. Winds in the morning hours will be relatively calm at 2-7 kts. Winds in the afternoon will then increase to 7-12 kts, with pockets of 15 kts possible after 7 PM.

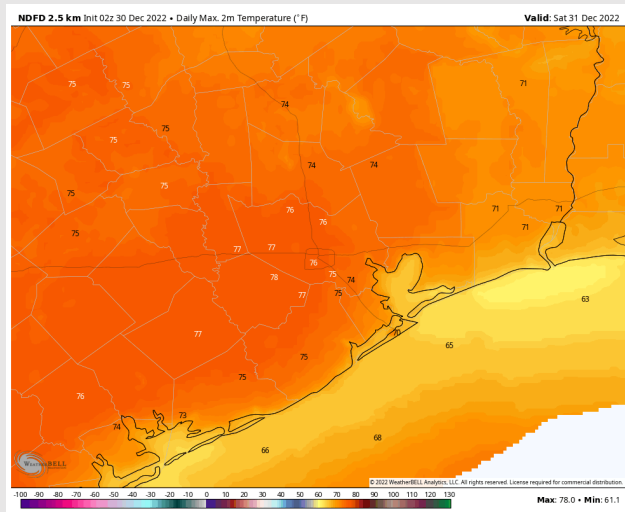
Temps: High temperatures on Saturday will be in the mid to upper 70s F north of Morgan's Point and near 70 F to upper 60s F south of Morgan's Point.

Visibility: Weak winds will allow for potential fog in the AM hours even though winds will be out of the NW.

Precip Forecast: 8 AM CT



Wind Speed
7 AM CT



High Temps
Saturday

Houston Pilots: Sun. 1/1/2022



Forecast Discussion

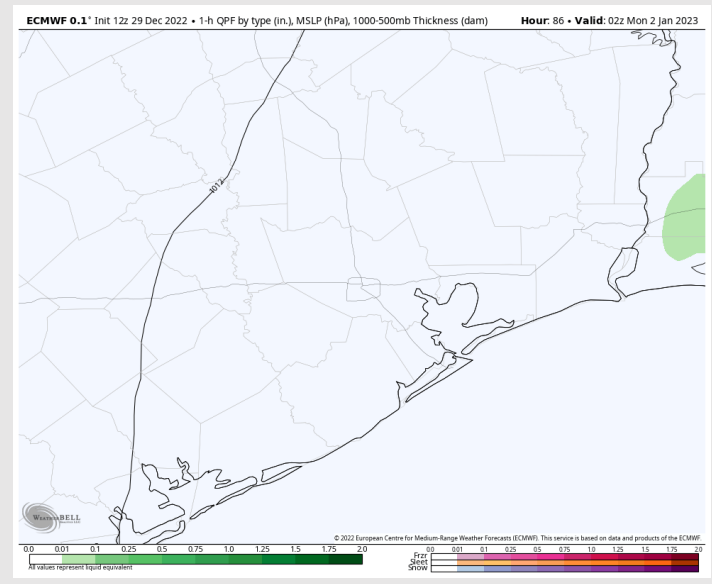
Precip: Favoring dry conditions throughout the day Sunday

Wind: Sustained winds out of the S at 7-11 kts for all stations early Sunday AM. After 10 AM CT, favoring winds for all stations to decrease to 4-8 kts until 1 PM CT. After 1 PM, favoring winds to gradually shift to out of the SE and increase to 9-15 kts for all stations for the rest of the day.

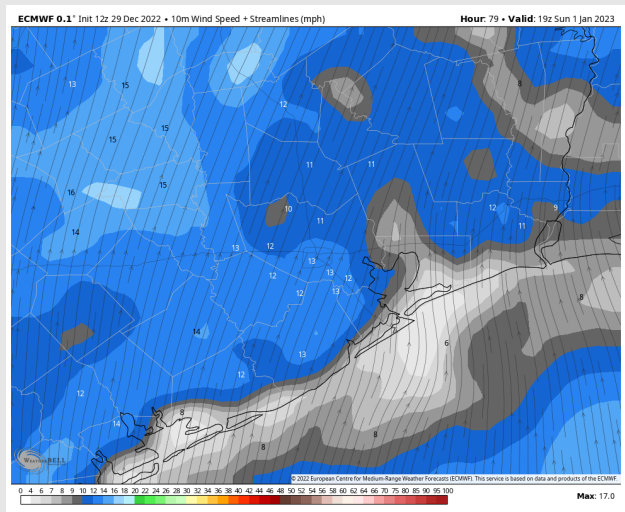
Temps: High temperatures in the upper 60s F near the boring station and in the lower 70s F for all other stations.

Visibility: Check the slides above for more on reduced visibility potential.

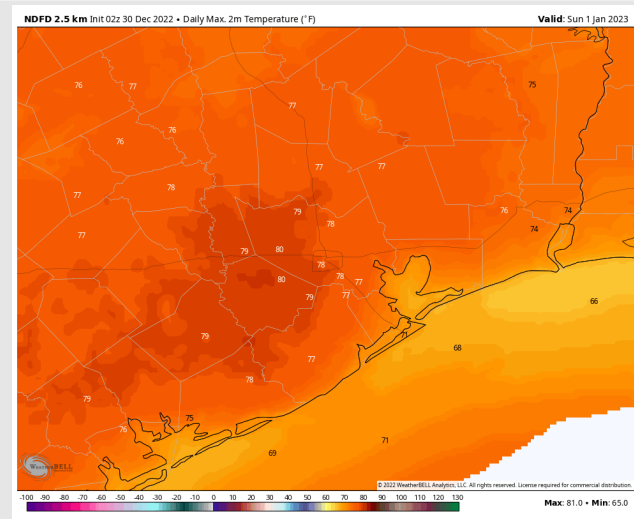
Precip Forecast: 8 PM CT



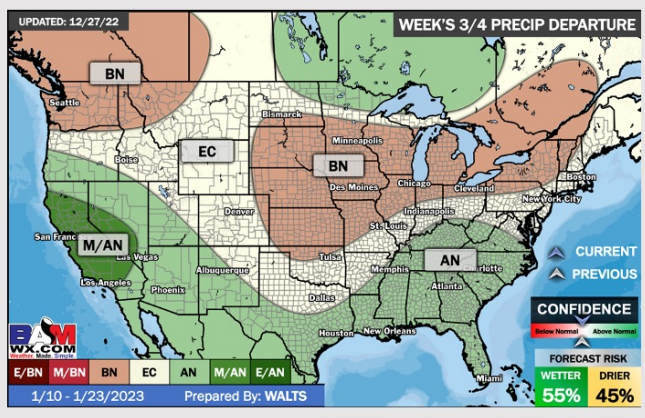
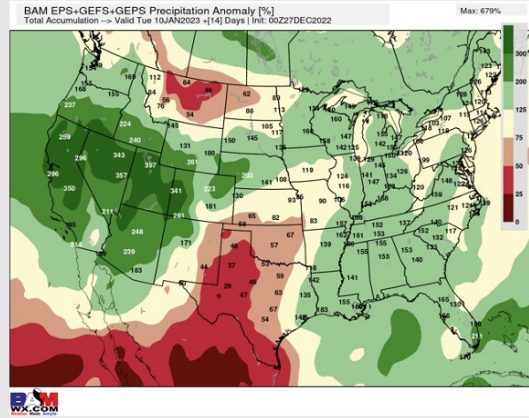
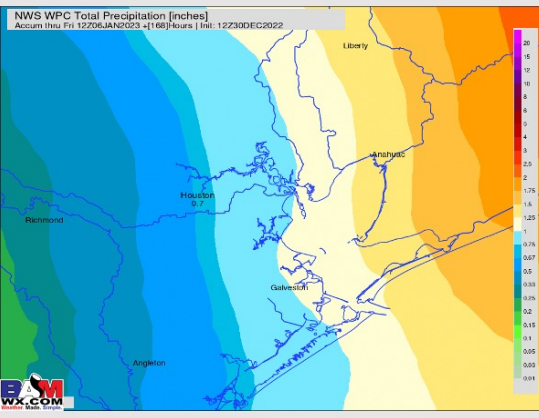
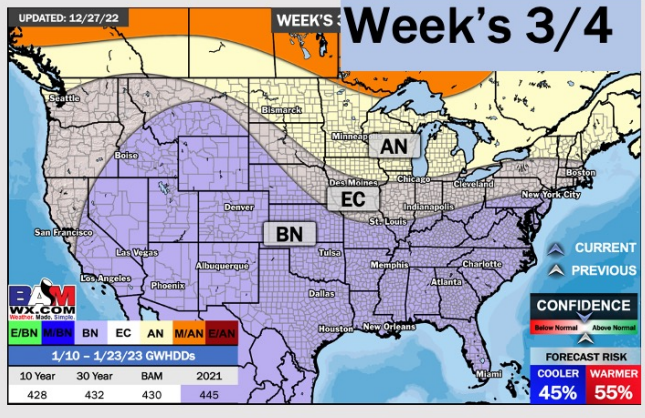
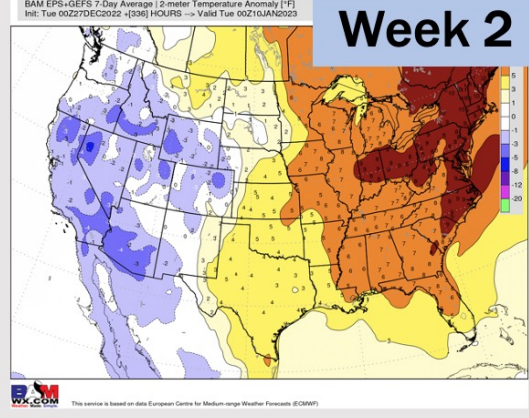
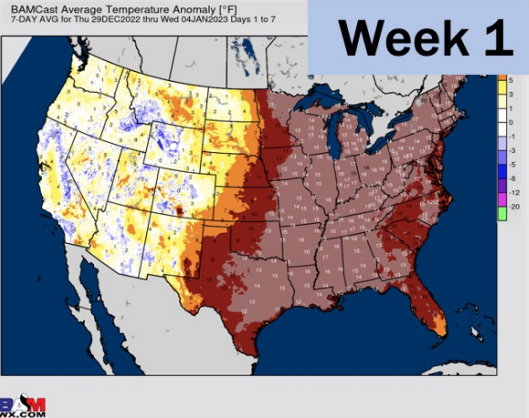
Wind Speed
1 PM CT



High Temps
Sunday



Houston Pilots: 12/30/22



- Rain chances are limited this weekend with Monday and Tuesday looking like rather high chances for precip. Mid to late next week will be on the drier side.
- Week 2 precipitation is expected to be above normal for the week 2 timeframe. Temperatures are to be much above normal.
- Above normal moisture and cooler weather is expected in the weeks 3/4 timeframe.