

Houston Pilots Forecast Package



Updated: 11:30 PM CT

Friday, December 15, 2023

Forecaster: Jonathan Kipper

Weather Headlines

- Periods of moderate to heavy rain / storm chances associated with a front will occur during the AM hours SAT. **Wind gusts of 20-24 kts possible through SUN AM. More details in slides below.**
- **Wave heights will continue to decrease through the evening however will not be back to below 3 ft until ~3 AM Sunday.**
- Not favoring any visibility issues over the coming days for fog.



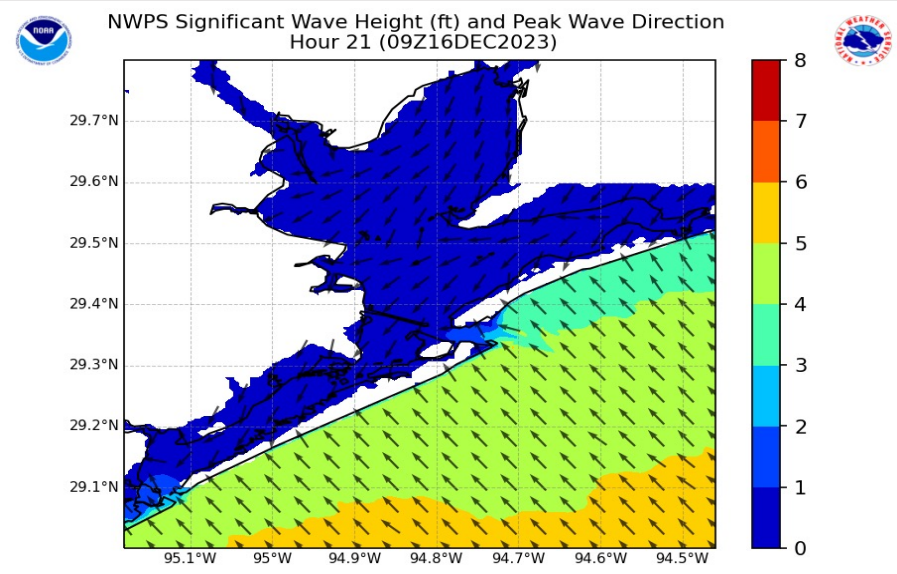
Radar/NWS Alerts: 11:20 PM CT



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.

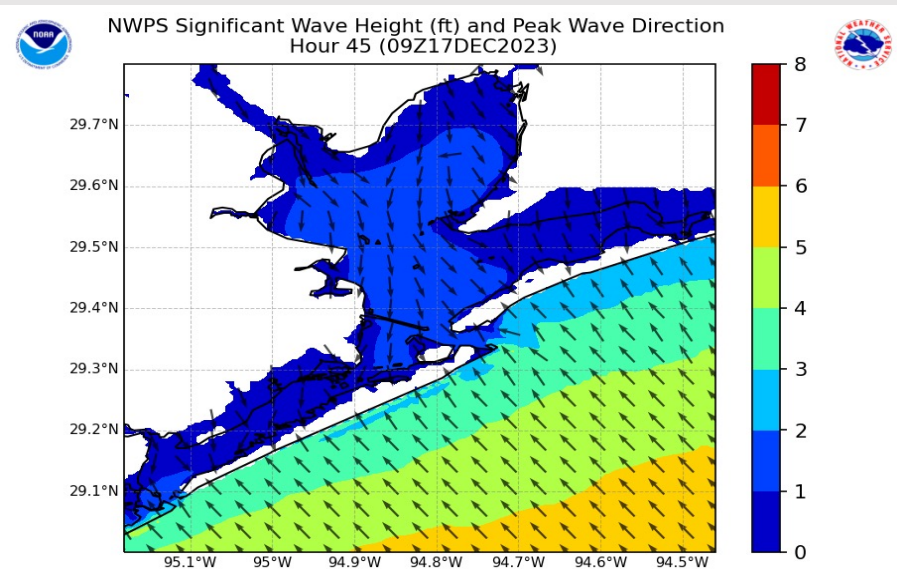
Houston Pilots Wave Height Update

Significant Wave Height Image



3 AM CST SAT

The top image shows wave heights around 3 AM CT Saturday morning. Wave heights for the Boarding Station and 11/12 will drop to 3 – 5 ft by 3 AM SAT, but will continue to linger above 3 ft throughout the day SAT



3 AM CST SUN

The bottom image shows wave heights around 3 AM CT Sunday morning. Once we get to 3 AM CT SUN and beyond, wave heights will be below 3 ft.

Houston Pilots Extended Range Visibility Report



Monday 12/18/23

No fog concerns for Monday at this time.

Forecast Confidence



Wednesday 12/20/23

No fog concerns for Wednesday at this time.

Forecast Confidence



Tuesday 12/19/23

No fog concerns for Tuesday at this time.

Forecast Confidence



Chance for Fog

Monday AM	Unlikely
Monday PM	Unlikely
Tuesday AM	Unlikely
Tuesday PM	Unlikely
Wednesday AM	Unlikely
Wednesday PM	Unlikely

Houston Pilots Visibility Chart (miles)



Time	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	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
610 Bridge	2	2	2	2	2	2	4	5	6	7	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
Kinder 1	2	2	2	2	2	2	4	5	6	7	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
Greens Bayou	2	2	2	2	2	2	3	6	6	6	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
Shell Crude	3	3	3	3	2	2	3	5	5	6	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
Lynchburg Ferries	3	3	3	3	2	2	3	5	6	6	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
Exxon 3	4	4	3	3	3	2	3	4	5	5	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
Morgans Point	4	4	3	3	3	2	3	4	5	5	7	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
75/76	5	5	4	4	4	3	3	4	5	4	6	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
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37/38	6	6	4	4	4	4	4	4	6	5	7	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
25/26	6	6	6	5	5	6	4	5	6	6	7	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
11/12	6	6	6	5	5	6	4	5	6	6	7	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
1 & 2 Bravo	6	6	5	4	4	4	4	3	6	4	6	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	

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Houston Pilots Wind Chart



Forecast Confidence



Example

Sustained wind 13 Knots
Gusts 18 Knots
Wind from the N

WS: 13
G:18
N

Time Knots	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	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	
610 Bridge	2	3	3	3	4	8	6	6	7	7	8	8	9	9	9	10	10	10	10	9	9	8	8	7	7	6	5	4	4	4	4	4	4	4	5	5	
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	SE	E	SE	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	
Kinder 1	2	2	3	3	4	8	6	6	7	7	8	8	9	9	9	10	10	10	10	9	9	8	8	7	7	6	5	4	4	4	4	4	4	4	5	5	
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Greens Bayou	2	1	4	3	4	8	7	7	7	7	8	8	9	9	9	10	10	10	10	9	9	8	9	8	7	6	5	5	4	4	4	4	4	4	5	5	
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Shell Crude	3	1	4	3	4	7	7	7	7	7	9	8	9	9	9	10	10	10	10	9	9	8	9	8	7	6	5	5	4	4	4	4	4	4	5	5	
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	ESE	SSE	ESE	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	
Lynchburg Ferries	4	1	3	2	4	6	7	7	7	7	9	8	9	9	9	11	11	11	10	9	9	9	9	8	7	6	6	5	5	4	4	4	4	4	5	6	5
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Exxon 3	5	2	2	1	4	5	7	7	8	7	9	9	9	9	9	11	11	11	11	10	9	9	9	8	7	7	7	6	6	5	5	5	5	5	6	6	
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Morgans Point	5	5	2	2	4	6	8	8	8	8	9	9	10	10	9	12	12	13	12	11	11	10	10	9	9	8	8	8	7	7	7	7	7	7	7	6	
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75/76	5	8	3	3	4	8	9	9	10	10	10	10	11	12	11	13	14	15	14	13	13	13	12	12	11	11	11	10	10	10	10	9	9	9	8	7	
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63/64	6	8	6	4	4	10	10	9	12	11	11	11	11	13	11	14	14	15	16	15	14	14	13	13	13	12	12	12	12	11	11	11	10	10	9	8	
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37/38	8	5	9	6	5	6	10	10	12	11	11	12	11	14	13	14	14	14	15	15	14	14	13	13	13	13	12	12	11	11	10	10	10	10	9		
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25/26	8	5	7	7	5	4	10	10	11	11	11	12	13	14	13	13	13	14	14	13	13	13	12	12	12	11	11	11	10	10	10	9	9	9	9		
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	E	ENE	ENE	E	NNE	ENE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	N	N	NNW	NNW	NNW	NNW		
11/12	7	5	7	8	6	4	9	9	11	11	11	13	13	14	13	14	14	14	14	13	13	13	12	12	12	12	11	11	11	11	10	10	10	10	10	9	
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1 & 2 Bravo	8	7	6	6	8	7	7	10	10	13	14	15	13	16	14	16	16	16	17	17	17	16	16	15	15	15	15	14	14	14	14	14	13	12	12	10	
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	ENE	ENE	NE	NE	NE	NNE	SSE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	N	N	N	N	N	N	N	NNW	NNW	NNW	NNW		

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Houston Pilots: Sat. 12/16/2023

Forecast Discussion

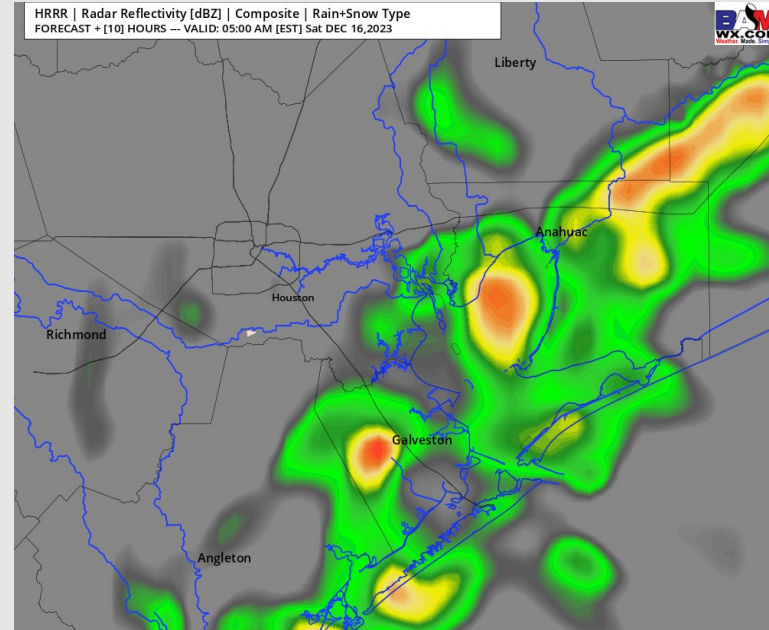
Precip: Scattered showers will continue across the area until 2 - 3 AM-CT when a final line of showers and a few storms will push into the Houston Metro area. Showers will continue to be scattered to widespread in nature through 8 AM-CT. After this line exits, dry conditions favored for the rest of the day.

Wind: Winds will be variable and range from 5 - 10 kts for all locations as the front passes through ~2AM and then veer out of the N/NNW. **N of Morgan's Point:** Winds will increase to 8 - 12 kts by 5AM and continue that way through 6 PM. After 6 PM, winds decrease to 5-10 kts. **S of Morgan's Point:** Winds will increase to 10 -15 kts by 5AM then 17-21 kts by 2 PM, remaining there the rest of the day. **Wind gusts of 17-22 MPH will be possible at all stations starting at 5 AM and lasting through 7 PM (gusts continue S of Morgan's Point the rest of the PM hours). Locally higher gusts of up to 24 kts will be possible near the Boarding Station after 4 PM.**

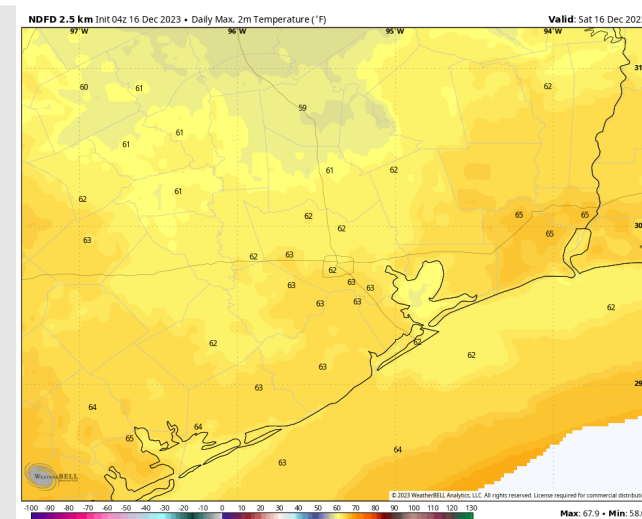
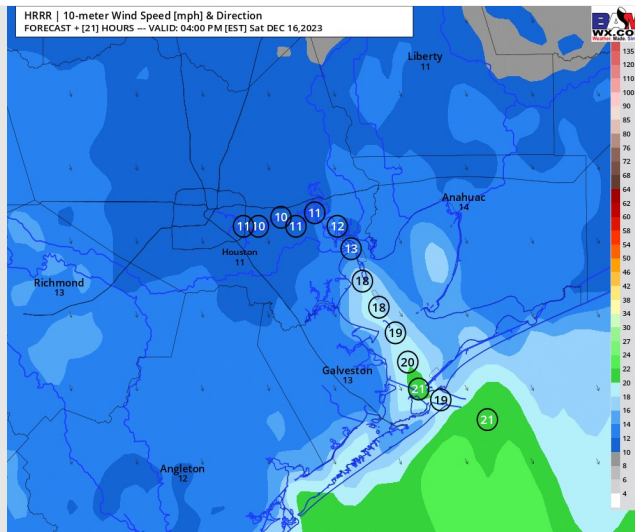
High Temps: **N of Morgan's Point:** Low 60s F. **S of Morgan's Point:** Low 60s F

Visibility: Not anticipating any fog concerns for today, however the heaviest downpours may cause some reduced visibilities through 8 AM.

Precip Image: 4 AM CT



Wind Speed:
3 PM CT



High Temps
Saturday

Houston Pilots: Sun. 12/17/2023

Forecast Discussion

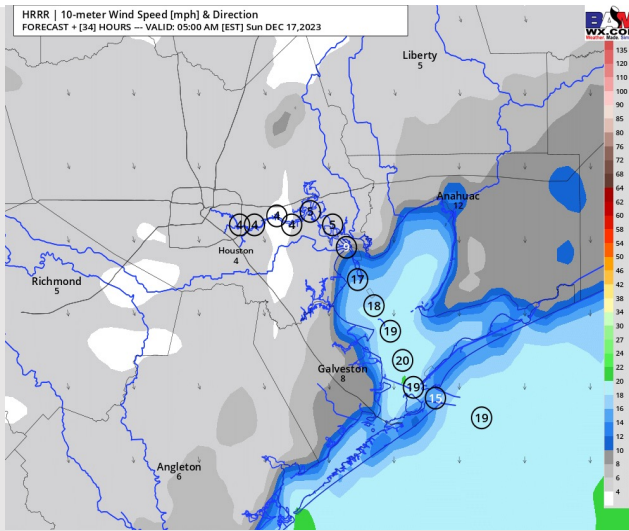
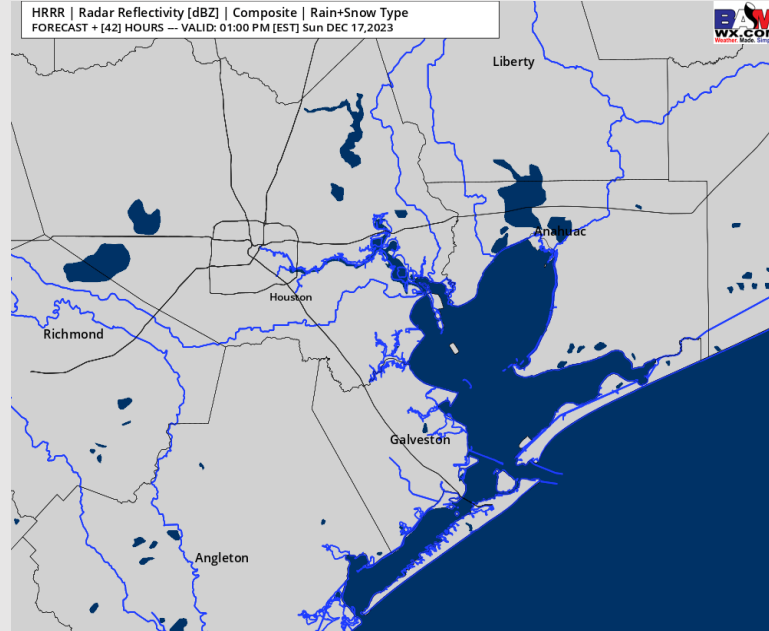
Precip: Anticipating dry conditions throughout Sunday.

Wind: Winds will remain out of the N/NW for the entire day SUN. **N of Morgan's Point:** Winds will be 4-9 kts for the entire day. **S of Morgan's Point:** Winds at 17-21 kts through 4 AM, then decrease to 12-17 kts. Winds will then decrease again to 8-13 kts after 5 PM and remain there for the PM hours. **Wind gusts of 17-22 kts will be possible S of Morgan's Point through 6 AM SUN, before gusts decreasing to 20 kts or less for the remainder of the day.**

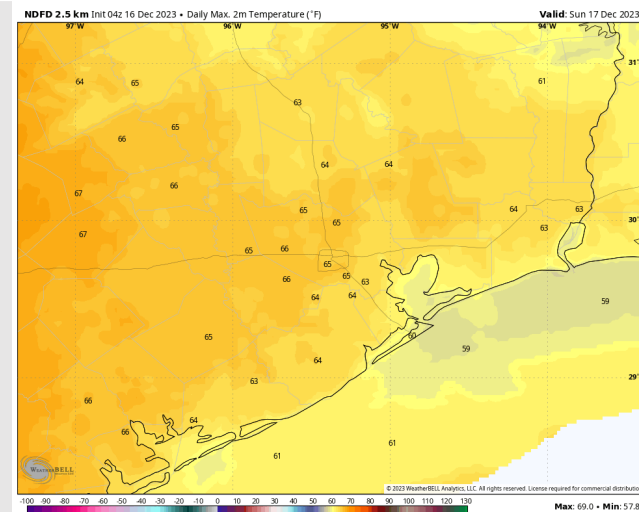
High Temps: **N of Morgan's Point:** Mid 60s F. **S of Morgan's Point:** Near 60 F.

Visibility: Not anticipating any visibility concerns Sunday.

Precip Image: 12 PM CT



Wind Speed:
4 AM CT



High Temps
Sunday

Houston Pilots: Mon. 12/18/2023

Forecast Discussion

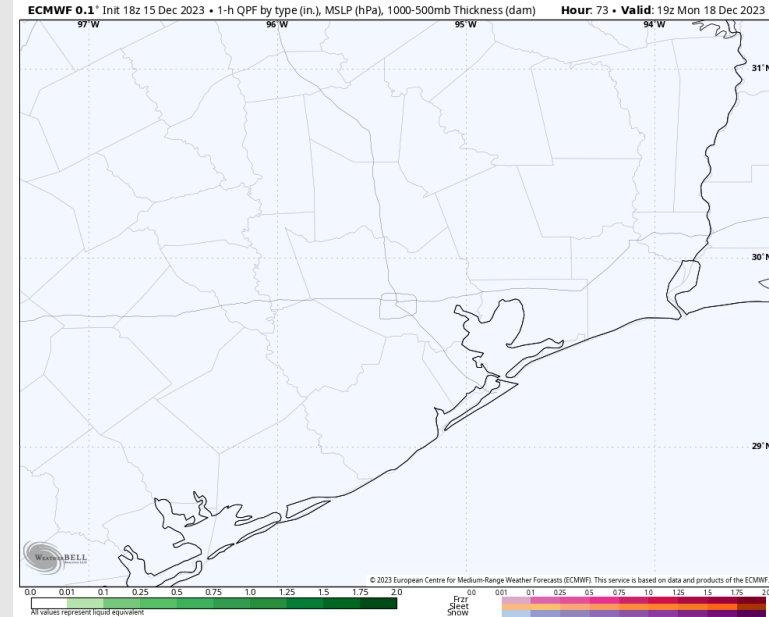
Precip: Dry conditions favored for Monday.

Wind: Winds will be out of the NW for most of the day on Monday before shifting to being out of the N/NNE by 9 PM. **N of Morgan's Point:** Winds will be 4-9 kts for the entire day. **S of Morgan's Point:** 4-9 kts through 9 PM, then a slight increase to 7-12 kts the rest of the evening.

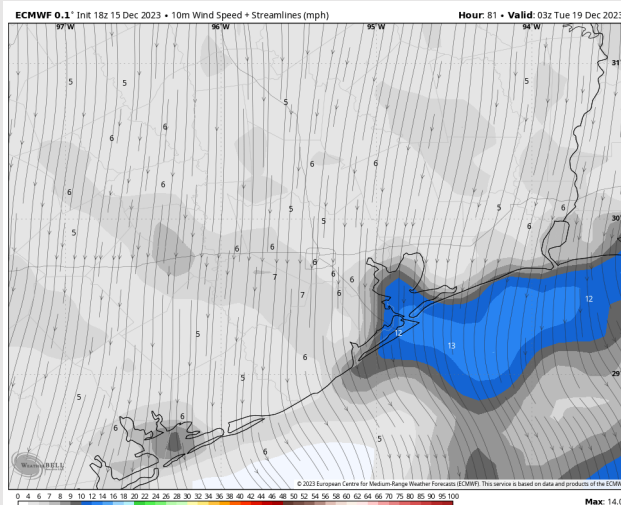
High Temps: **N of Morgan's Point:** Mid 60s F. **S of Morgan's Point:** Low 60s F.

Visibility: Not favoring any fog concerns at this time.

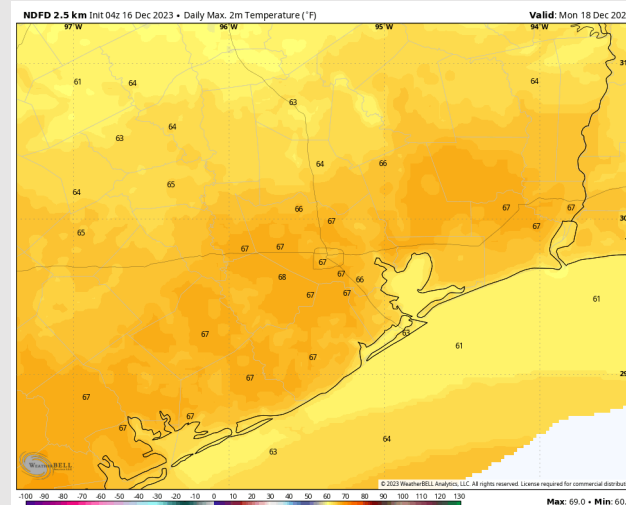
Precip Image: 1 PM CT



Wind Speed:
9 PM CT

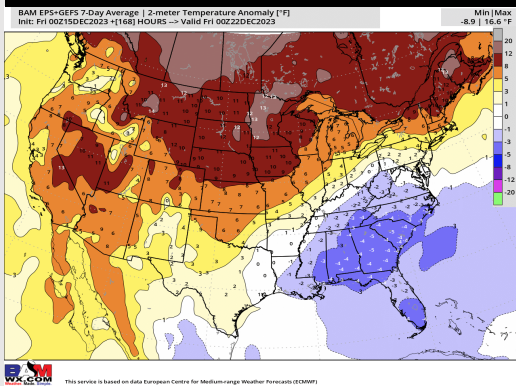


High Temps
Monday

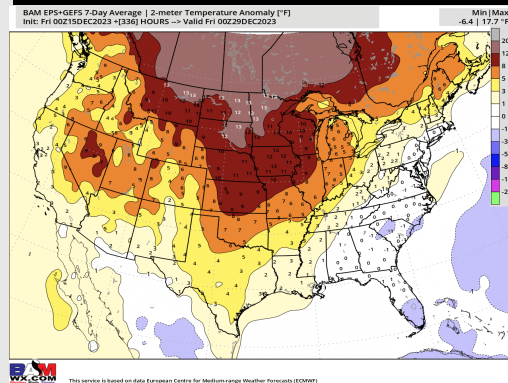


Houston Pilots: 12/15/23

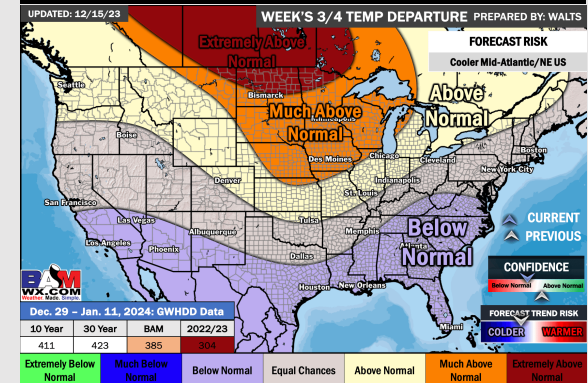
Next 7 Day Temperature Departure



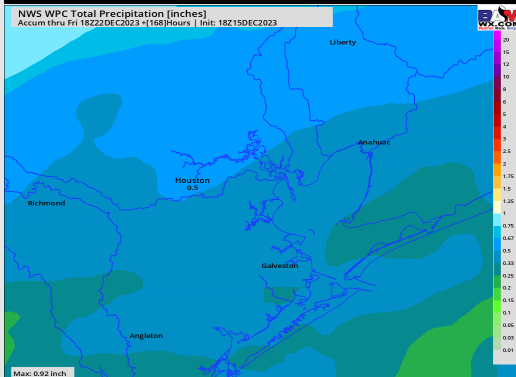
8-14 Day Temperature Departure



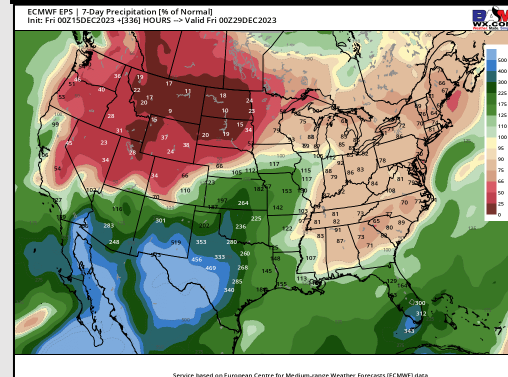
15-30 Day Temperature Departure



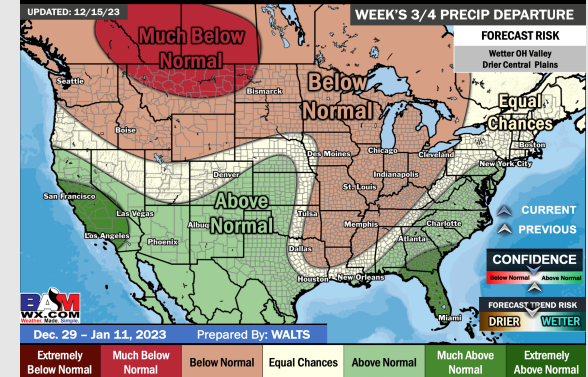
Next 7 Day Total Precipitation



8-14 Day % of Average Precip.



15-30 Day % of Average Precip.



- After rain chances with a front for the AM hours today, the next best shot for rain will occur THU/FRI. Seasonable temps are favored this week.
- Above normal precipitation chances and slightly above normal temperatures are expected into the week 2 timeframe.
- Below normal temperatures and slightly above normal chances for precipitation are favored in the weeks ¾ timeframe.