

Houston Pilots Forecast Package

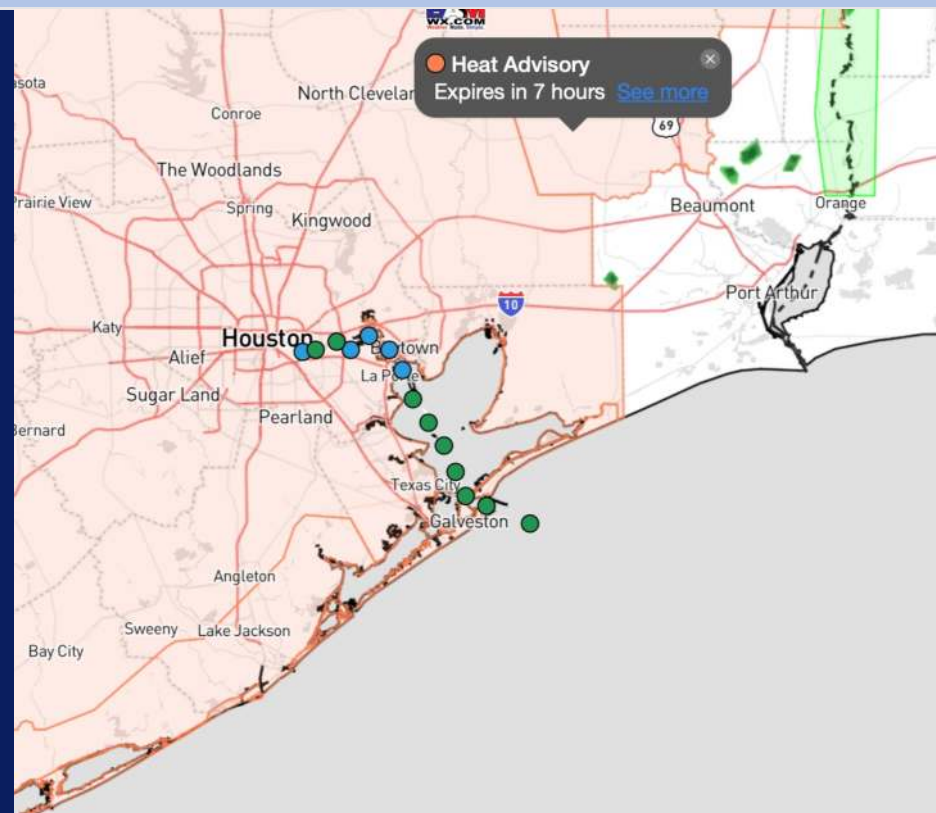


Updated: 12:30 PM CT
Thursday, July 4, 2024

Forecaster: Alyssa Elliott

Weather Headlines

- A few isolated rain chances the next couple days with the best chances moving in SAT PM.
- Winds are not expected to exceed 20 kts over the next few days. Need to watch for a potential increase in winds SUN-MON due to Beryl that will likely move into far S TX.
- **Monitoring Major Hurricane Beryl that is tracking towards the Yucatan. See graphics below for latest thinking!**



Current Radar: 12:00 PM CT



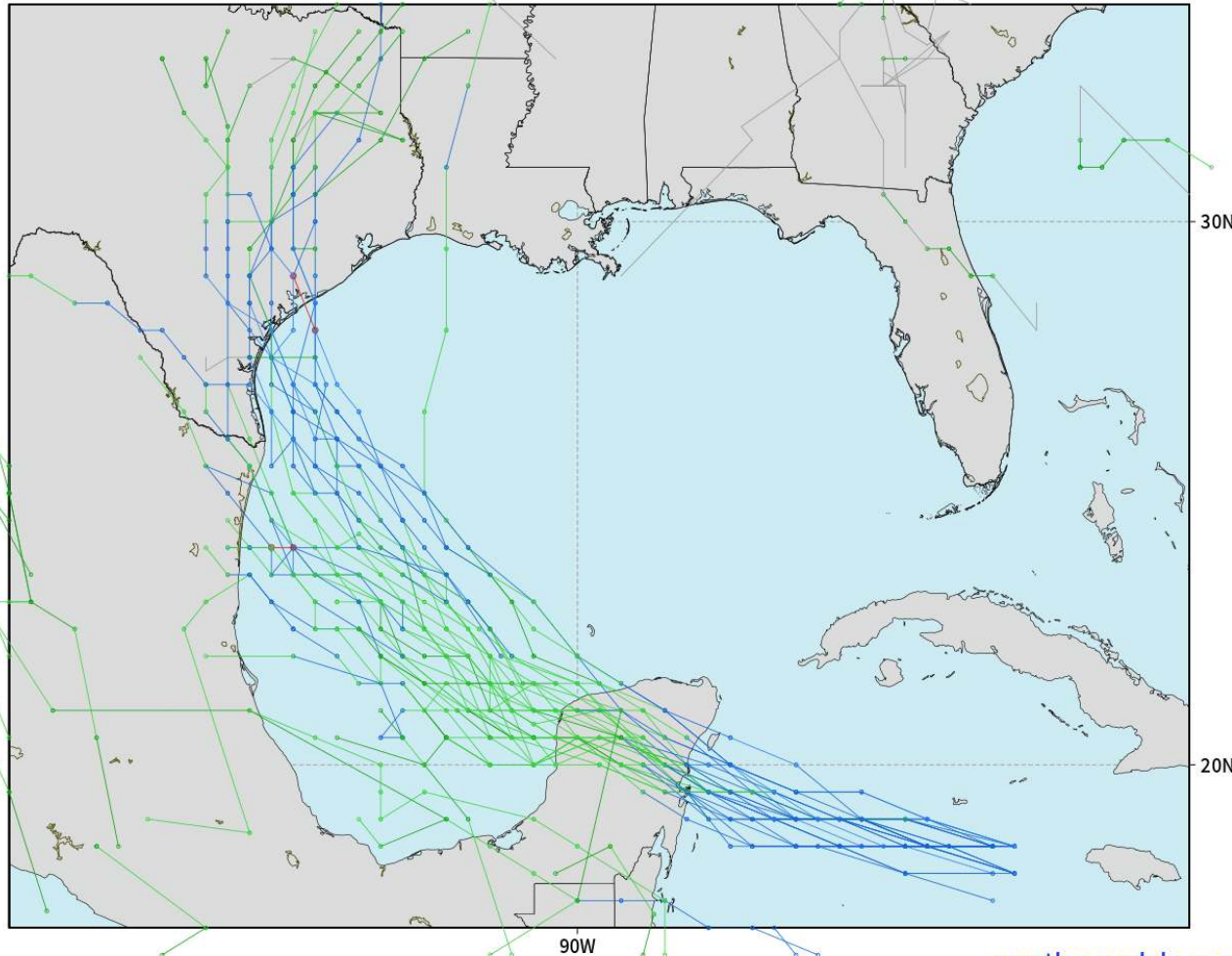
As always, please do not hesitate to reach out to us with any forecast questions via the chat option on Clarity or our on-call number, **(317)-560-8122** press 1 for forecast questions.

Houston Pilots Tropical Update

American Model Next 10 Days - Tropical Tracks

NOAA GFSv12 | All Ensemble Cyclones +240 Hours
INIT: 06Z04JUL2024 --> UNTIL 06Z14JUL2024

o-o > 1010 hPa
o-o 1000 - 1010 hPa
o-o 980 - 999 hPa
o-o 960 - 979 hPa
o-o 950 - 959 hPa
o-o < 950 hPa



weathermodels.com

Major Hurricane Beryl continues to work towards the Yucatan. (See Next Slide for More Info).

While the exact track and impacts of Beryl are still to be determined, latest model data continues to indicate the storm will head into far SE TX once the low pressure system enters the Gulf.

Data will continue to be monitored **CLOSELY** over the coming days, with possibility of Victor Trigger if trends continue. At this time not anticipating direct impacts to Galv. Bay.

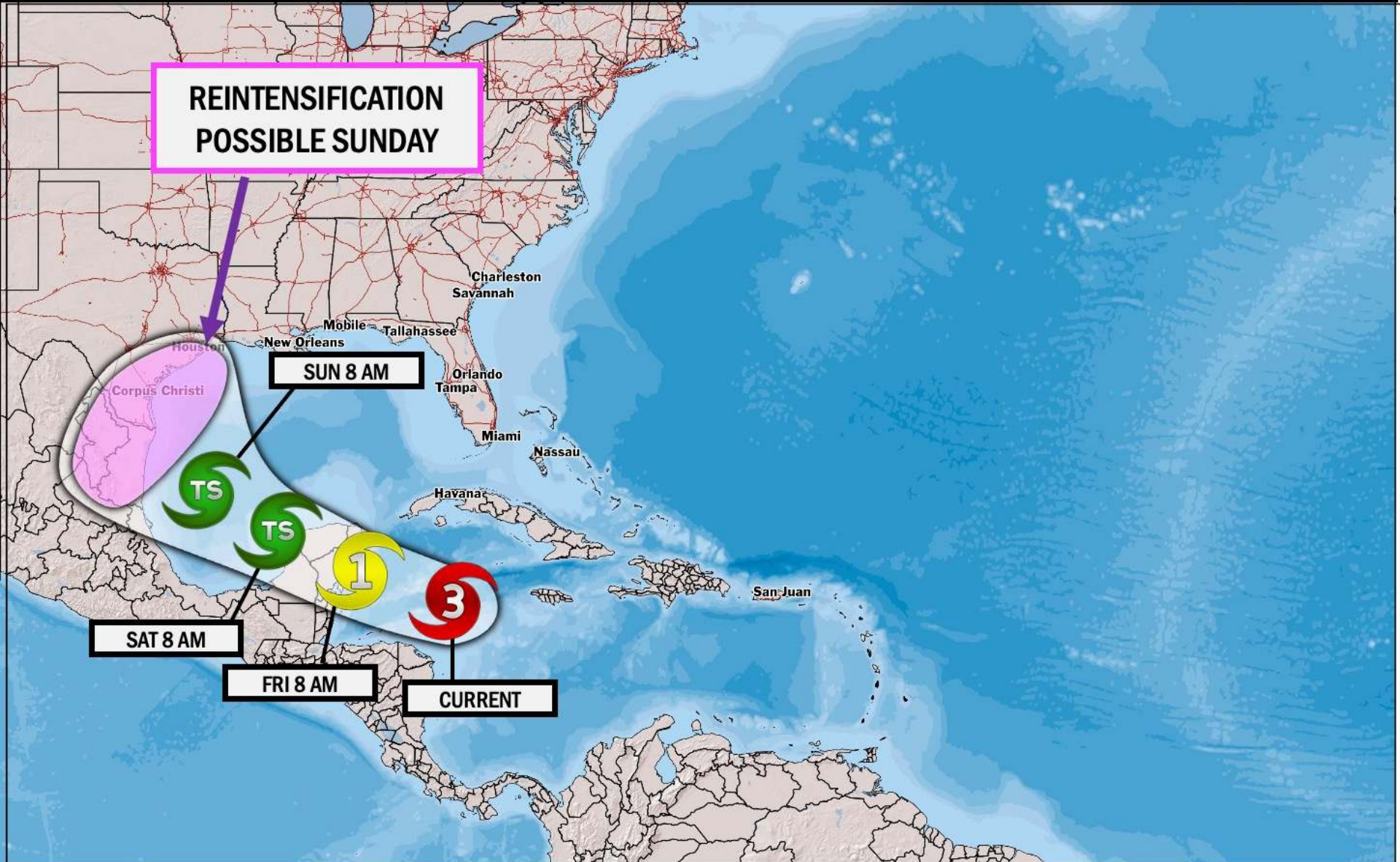
Hurricane Beryl Outlook

THU July 4nd – SUN July 7th, 2024

UPDATED: 7/4/24 1:30 PM ET



**REINTENSIFICATION
POSSIBLE SUNDAY**



Houston Pilots Visibility Chart (miles)



Forecast Confidence



Time	Thu 1pm	Thu 2pm	Thu 3pm	Thu 4pm	Thu 5pm	Thu 6pm	Thu 7pm	Thu 8pm	Thu 9pm	Thu 10pm	Thu 11pm	Fri 12am	Fri 1am	Fri 2am	Fri 3am	Fri 4am	Fri 5am	Fri 6am	Fri 7am	Fri 8am	Fri 9am	Fri 10am	Fri 11am	Fri 12pm
610 Bridge	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	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	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	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	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	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	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	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
63/64	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
51/52	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
37/38	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	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	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	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

NOTE: This is automated data that may/may not agree with the official BAM thinking that's found on the daily slides or special visibility report slides. This data should be used as a guide only

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	Thu 1pm	Thu 2pm	Thu 3pm	Thu 4pm	Thu 5pm	Thu 6pm	Thu 7pm	Thu 8pm	Thu 9pm	Thu 10pm	Thu 11pm	Fri 12am	Fri 1am	Fri 2am	Fri 3am	Fri 4am	Fri 5am	Fri 6am	Fri 7am	Fri 8am	Fri 9am	Fri 10am	Fri 11am	Fri 12pm
610 Bridge	5	6	7	7	8	9	9	9	8	7	7	5	5	5	4	4	3	3	2	2	3	3	3	3
	12	12	13	15	16	16	16	16	15	14	13	12	11	10	9	8	7	6	5	5	5	6	6	7
	SSW	S	S	S	S	S	S	S	S	S	S	S	SSW	SSW	SSW	SSW	SW	SW	SW	WSW	WSW	WSW	WSW	SW
Kinder 1	5	6	7	7	8	9	9	8	8	7	6	5	5	5	4	3	3	3	2	2	3	3	3	3
	12	12	13	15	16	16	16	16	15	14	13	12	11	10	9	8	7	6	5	5	5	6	6	7
	SSW	S	S	S	S	S	S	S	S	S	S	S	SSW	SSW	SSW	SSW	SW	SW	SW	WSW	WSW	WSW	WSW	SW
Greens Bayou	5	6	7	8	8	9	9	8	7	7	6	5	5	4	4	3	3	2	2	2	2	3	3	3
	11	12	13	15	16	16	16	16	15	14	13	12	11	9	9	8	7	5	5	5	5	6	6	7
	S	S	S	SSE	S	S	S	S	S	S	S	S	SSW	SSW	SSW	SSW	SW	SW	SW	WSW	WSW	WSW	WSW	SW
Shell Crude	6	7	7	8	9	9	9	8	7	7	6	5	5	4	4	3	3	3	2	2	2	3	3	3
	12	12	13	15	16	17	16	16	15	14	13	12	11	9	9	8	7	6	5	5	5	6	6	7
	S	S	S	S	S	S	S	S	S	S	S	S	SSW	SSW	SSW	SW	SW	SW	WSW	WSW	WSW	WSW	SW	SSW
Lynchburg Ferries	5	7	7	8	9	9	9	8	7	7	6	5	5	4	3	3	3	2	2	2	2	3	3	3
	12	13	14	15	16	17	17	16	15	14	13	12	10	9	8	8	6	5	5	5	5	6	6	7
	S	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	S	SSW	SSW	SSW	SSW	SSW	SW	SW	WSW	WSW	WSW	WSW	SSW
Exxon 3	7	9	10	11	12	12	13	13	12	11	11	9	9	8	7	7	5	5	4	4	4	4	3	3
	13	14	16	17	17	17	18	18	17	16	14	13	13	12	11	10	9	8	7	7	7	7	7	8
	S	SSE	SSE	SSE	S	S	S	S	S	S	S	S	SSW	SSW	SSW	SSW	SW	SW	WSW	WSW	W	WSW	WSW	SSW
Morgans Point	8	9	10	11	12	12	13	12	12	11	10	9	9	8	7	7	5	5	4	4	4	4	3	3
	13	14	16	17	17	17	18	18	16	16	14	13	13	12	11	10	9	8	7	7	7	7	7	8
	S	SSE	SSE	SSE	SSE	S	S	S	S	S	S	S	SSW	SSW	SSW	SW	SW	WSW	WSW	W	WSW	WSW	WSW	SSE
75/76	8	9	11	11	12	13	13	13	13	12	11	10	9	9	9	8	7	6	5	4	4	4	3	3
	14	15	17	18	18	18	18	18	17	17	15	14	13	13	12	12	10	9	8	7	7	7	7	8
	S	SSE	SSE	SSE	S	S	S	S	S	S	S	S	SSW	SSW	SSW	SW	SW	WSW	WSW	W	W	SSW	SSW	SSE
63/64	8	9	10	11	12	13	13	13	12	11	11	10	9	9	9	8	7	6	6	5	4	4	3	3
	14	15	16	17	18	18	18	18	17	16	15	14	13	13	13	12	10	9	9	8	7	7	7	8
	S	SSE	SSE	S	S	S	S	S	S	S	S	S	SSW	SSW	SSW	SW	SW	WSW	WSW	W	W	SW	SW	SSE
51/52	9	9	10	11	11	12	12	12	12	11	11	11	10	9	9	9	7	7	6	5	5	4	4	4
	14	15	16	17	17	17	17	17	16	15	14	14	14	13	13	12	11	10	9	8	7	7	7	8
	S	S	S	S	S	S	S	S	S	S	S	S	SSW	SSW	SSW	SW	SW	WSW	WSW	W	W	WSW	S	
37/38	9	9	10	11	11	11	12	12	11	11	11	11	10	9	9	9	7	7	6	5	5	4	4	4
	14	14	15	16	17	17	17	16	16	15	14	14	14	13	13	13	11	10	9	8	8	7	7	8
	S	S	S	S	S	S	S	S	S	S	S	S	SSW	SSW	SSW	SW	SW	WSW	WSW	W	W	SW	S	
25/26	9	9	10	11	11	11	11	11	11	11	10	10	10	9	9	9	7	7	6	5	5	5	5	5
	14	14	15	16	17	16	16	16	16	16	15	14	14	13	13	13	12	10	10	9	8	8	7	8
	S	S	S	S	S	S	S	S	S	S	S	S	SSW	SSW	SSW	SSW	SW	SW	WSW	WSW	WSW	W	SW	SW
11/12	9	9	9	10	10	10	10	10	9	9	9	9	9	8	8	8	7	7	6	5	5	5	5	5
	14	14	14	15	16	16	15	15	15	14	14	14	14	13	13	13	12	11	10	9	8	8	8	8
	SSW	S	S	S	S	S	S	S	S	S	S	S	SSW	SSW	SSW	SSW	SW	SW	WSW	WSW	W	WSW	SW	SW
1 & 2 Bravo	9	9	9	10	10	11	11	11	11	11	11	11	11	10	10	10	9	8	8	7	6	5	5	5
	13	13	13	15	16	16	15	16	15	16	15	15	15	14	14	13	13	12	11	10	9	9	8	8
	SSW	SSW	S	S	S	S	S	S	S	S	S	S	S	SSW	SSW	SSW	SSW	SW	SW	WSW	WSW	W	WSW	WSW

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Houston Pilots: Thu. 7/4/2024



Forecast Discussion

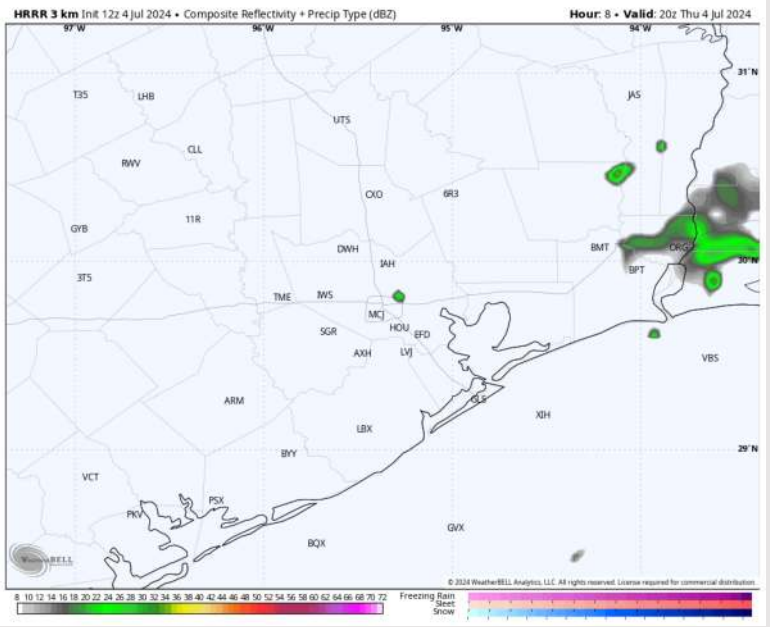
Precip: A few isolated shower/storm chances will hang around through 5 PM. Dry conditions then favored for the rest of the day.

Wind: Winds will be out of the SSE this PM. **N of Morgan's Point:** Winds at 10-15 kts the rest of the day. **S of Morgan's Point:** Favoring winds at 15-20 kts throughout the rest of the day.

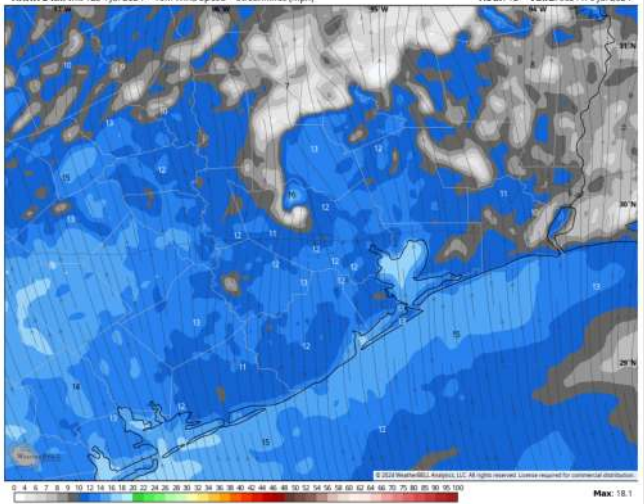
Low Temps: **N of Morgan's Point:** Near 80. **S of Morgan's Point:** Mid 80s F.

Visibility: Not favoring any fog concerns for this PM.

Precip Image: 3 PM CT

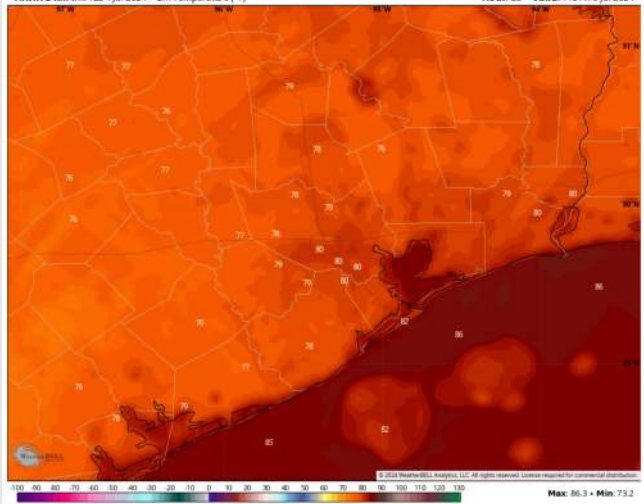


HRRR 3 km Init 12z 4 Jul 2024 • 10m Wind Speed • Streamlines (mph) Hour: 12 • Valid: 00z Fri 5 Jul 2024



Wind Speed
7 PM CT

HRRR 3 km Init 12z 4 Jul 2024 • 2m Temperature (°F) Hour: 23 • Valid: 11z Fri 5 Jul 2024



Low Temps
FRI AM

Houston Pilots: Fri. 7/5/2024



Forecast Discussion

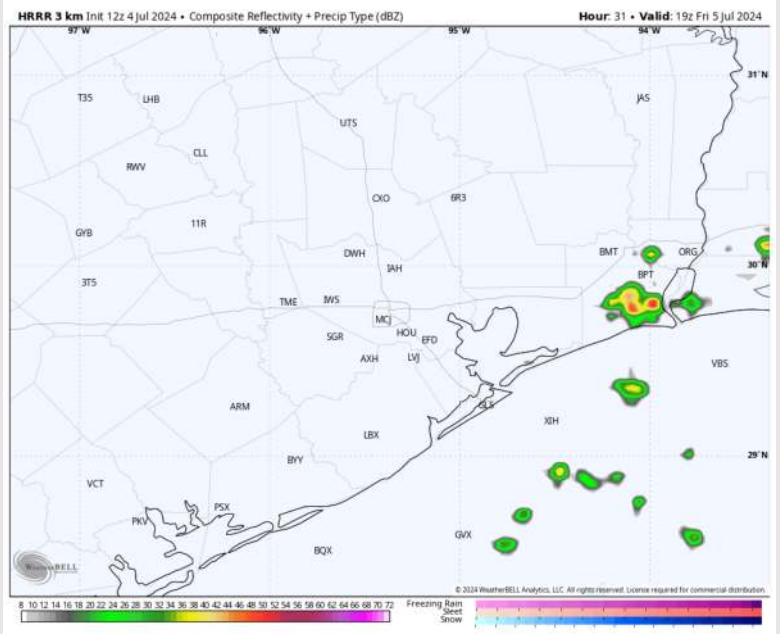
Precip: Isolated showers/thunderstorms (10%) will be possible from 2 to 7 PM, however, majority of showers/storms look to remain East of stations. Dry conditions favored outside of this window.

Wind: Winds will be out of the S/SW for FRI. **N of Morgan's Point:** Winds will be at 4-9 kts throughout the entire day. **S of Morgan's Point:** Winds at 13-18 kts outside of a brief calming to 4-9 kts from 10 AM to 2 PM.

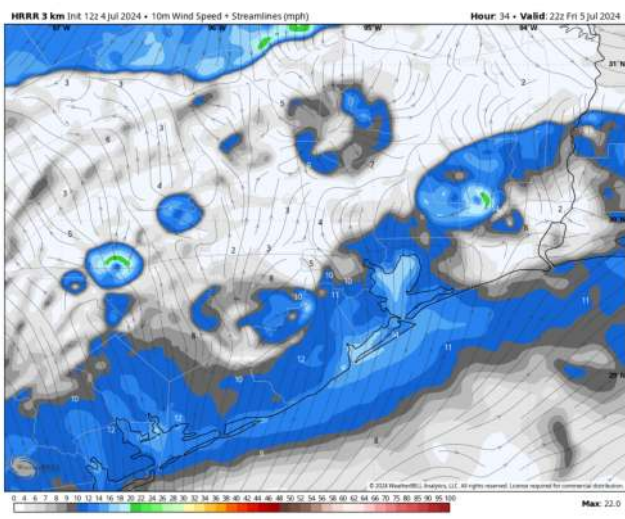
High Temps: **N of Morgan's Point:** Upper 90s F. **S of Morgan's Point:** Lower 90s F.

Visibility: Not anticipating any fog concerns for Friday.

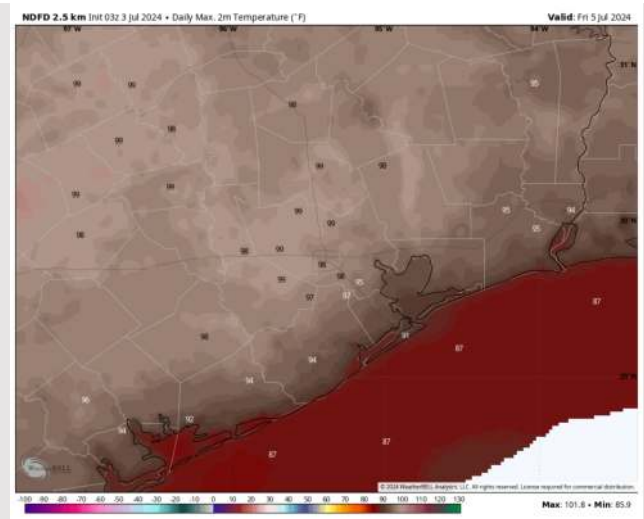
Precip Image: 2 PM CT



Wind Speed:
5 PM CT



High Temps
Friday



Houston Pilots: Sat. 7/6/2024



Forecast Discussion

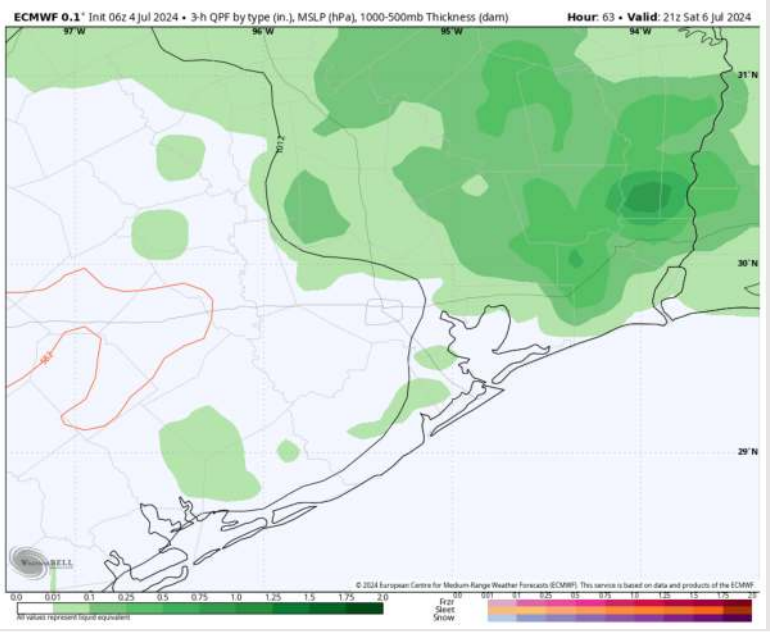
Precip: A few isolated shower chances will be possible in the AM Saturday. After ~12 PM more widespread shower and storm chances will push in across stations N of Morgan's Point and will continue throughout the day.

Wind: Winds will remain fairly variable throughout the day SAT. **N of Morgan's Point:** Winds at 3-8 kts throughout the day. **S of Morgan's Point:** Winds at 6-11 kts throughout the day.

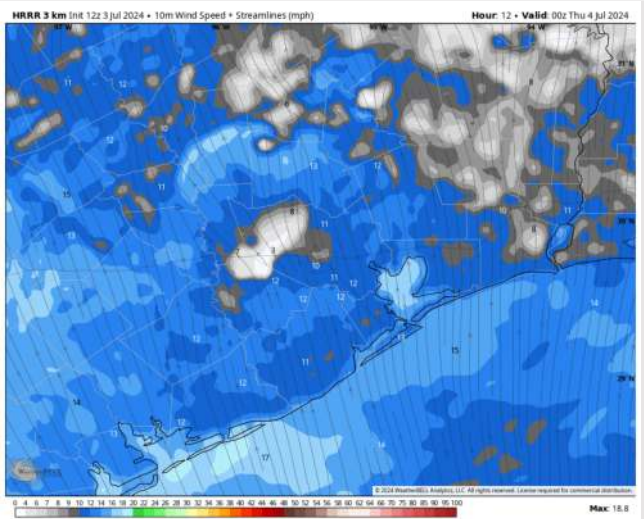
High Temps: **N of Morgan's Point:** Upper 80s F. **S of Morgan's Point:** Mid 80s F.

Visibility: Not anticipating any fog concerns for today.

Precip Image: 4 PM CT

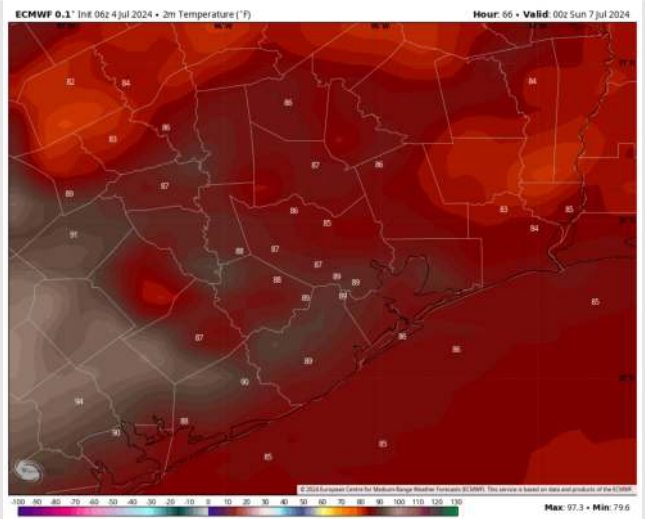


Wind Speed: 7 PM CT



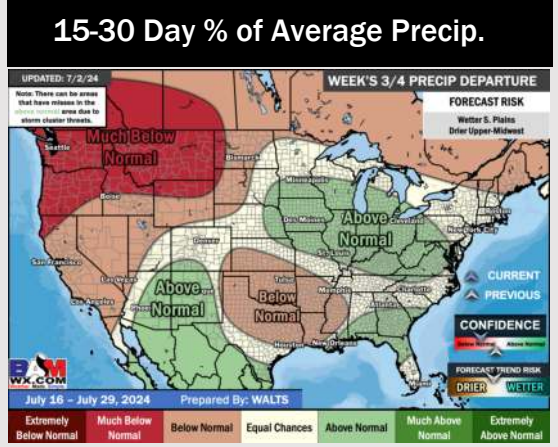
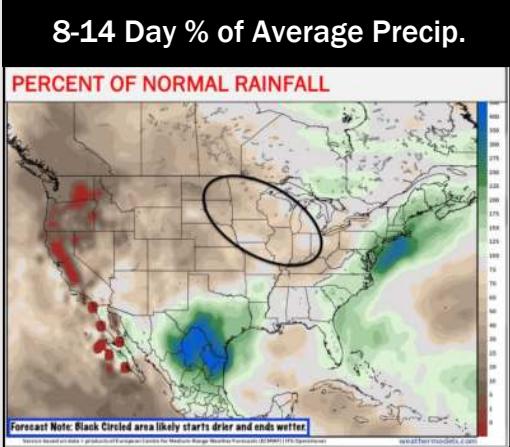
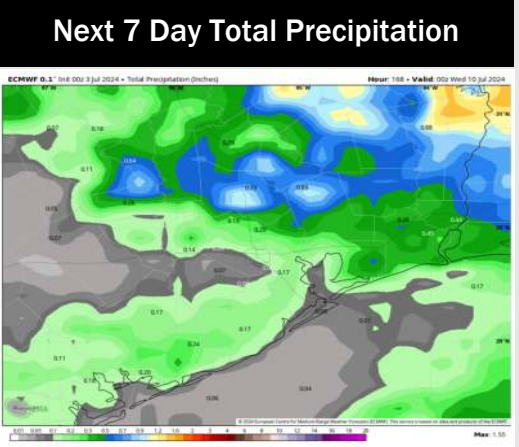
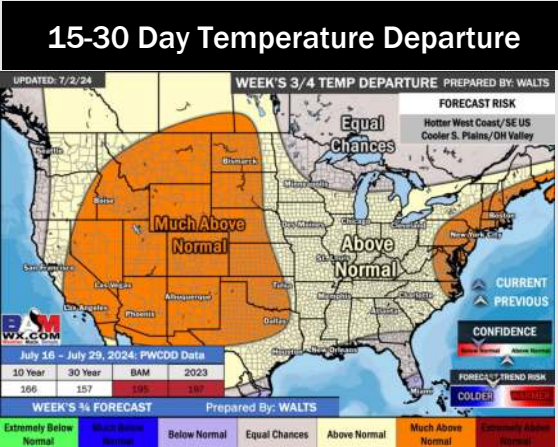
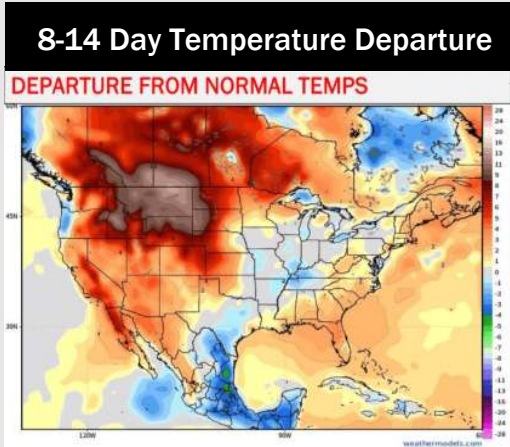
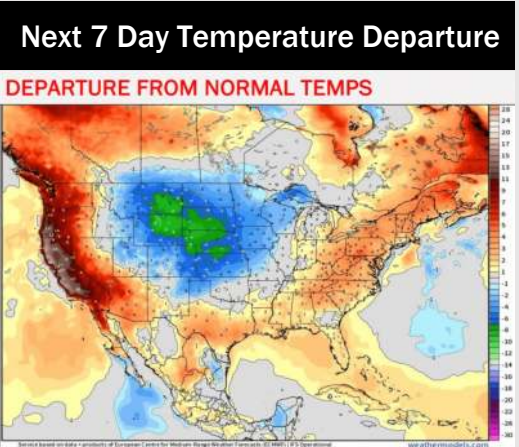
Wind Speed:
7 PM CT

High Temps Saturday



High Temps
Saturday

Houston Pilots: 7/4/24



- Temps are expected to be above normal for the week 1 timeframe. Only scattered shower/storm risks are favored throughout the Week 1 period before remnants of Hurricane Beryl are able to work into the area late Week 1/early Week 2.
- Models are favoring above normal precipitation for the week 2 timeframe. Slightly above normal temperatures are favored for week 2.
- Below normal chances for precipitation and slightly above normal temperatures are favored in the weeks 3/4 timeframe.