

IMPACTS FOR D8

Winds – **Moderate**

Storm Surge – **Low**

Rainfall/Flash Flooding – **Medium**

Tornadoes – **Low**

Waves - **Moderate**

TROPICAL STORM HANNA BRIEFING



9:00 AM CDT
Friday, July 24, 2020

Prepared by:
Chris Landsea

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*

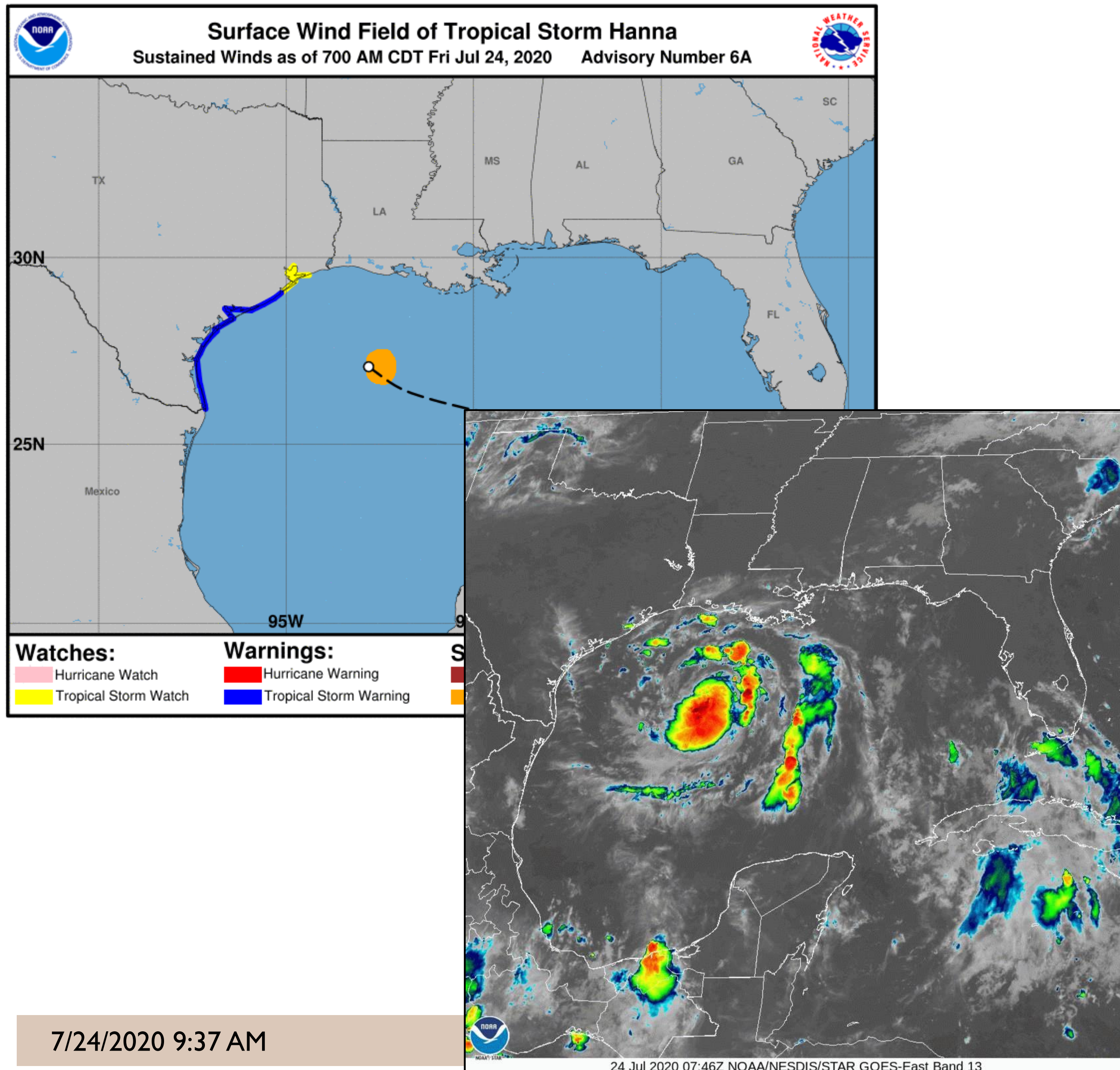


Situation Overview



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NWS National Hurricane Center

Tropical Storm Hanna



...NOAA HURRICANE HUNTERS FIND HANNA A LITTLE FARTHER NORTH..

SUMMARY OF 700 AM CDT INFORMATION

LOCATION...27.1N 92.8W
ABOUT 285 MI E OF CORPUS CHRISTI TEXAS
MAXIMUM SUSTAINED WINDS...35 KT
PRESENT MOVEMENT...WNW AT 8 KT

SIZE (in nautical miles)

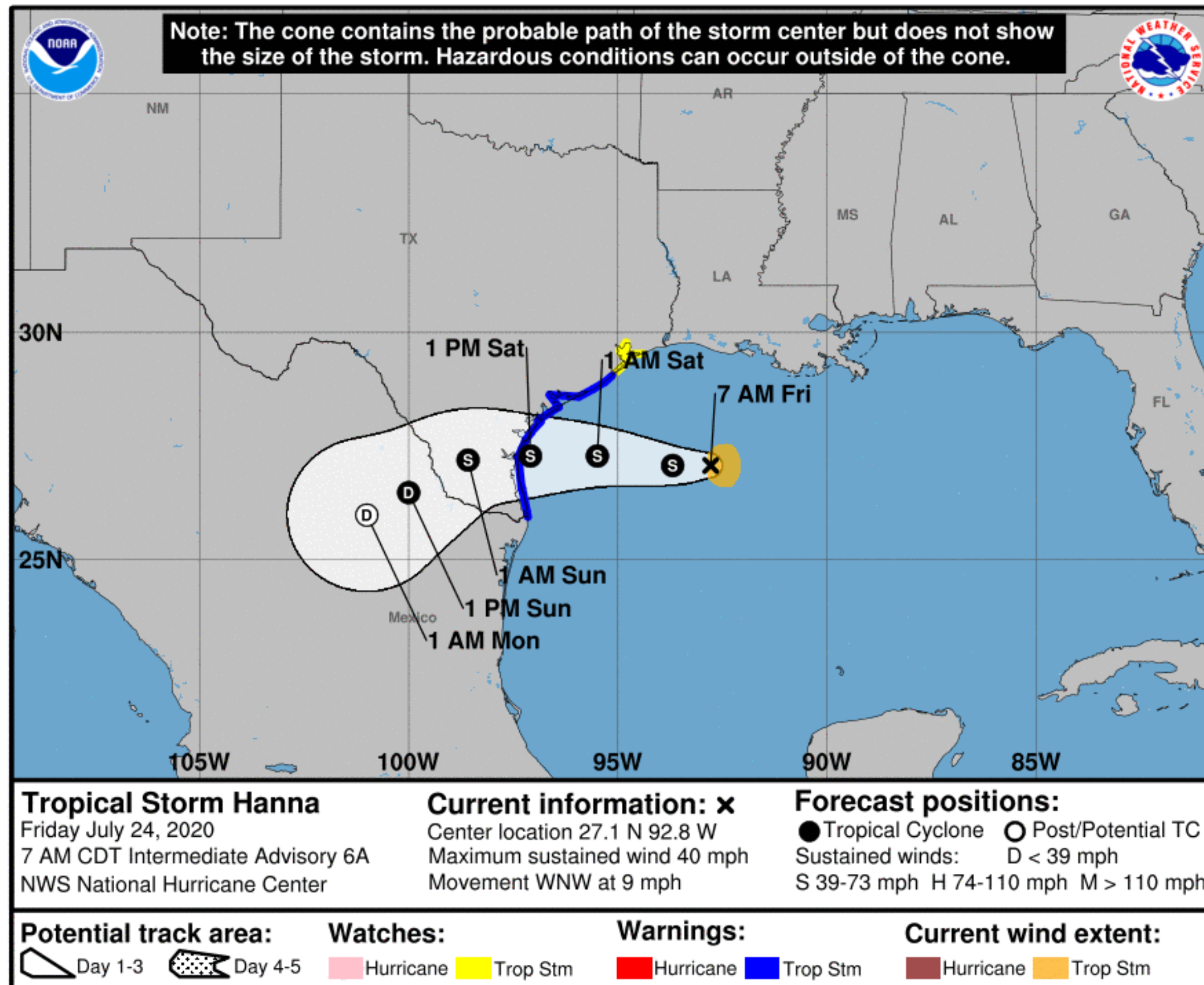
34 KT..... 40NE 40SE 0SW 0NW.
Peak seas 11 ft

Forecast Information

Tropical Storm Hanna



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- A track toward the west is expected until landfall along the south or central coast of Texas on Saturday.
- Some additional strengthening is expected, but Hanna is not anticipated to reach hurricane intensity.
- Current center forecast positions through the next 3 days illustrated by dots
- White swath of potential track is average track error added to each side of the forecast track through day 3

** Swaths are calculated using average track errors and actual track may be well inside, or possibly outside the potential track areas indicated.

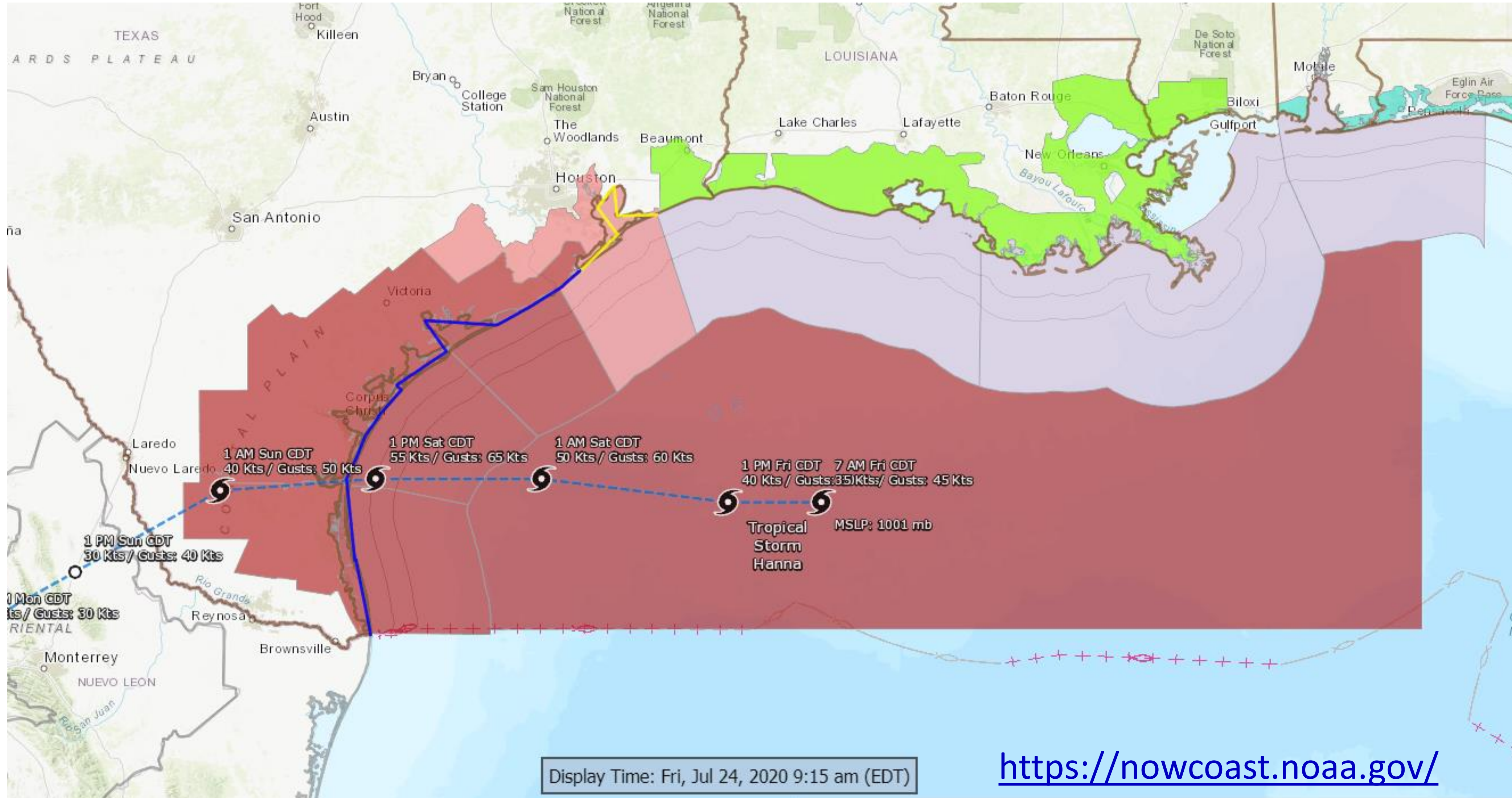
NOTE: Do not focus on the exact track. Impacts can occur well outside the area enclosed by the cone.

Hazards Map

Tropical Storm Hanna



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- Tropical Storm Warning
- Tropical Storm Watch
- Gale Warning
- Small Craft Advisory
- Coastal Flood Advisory

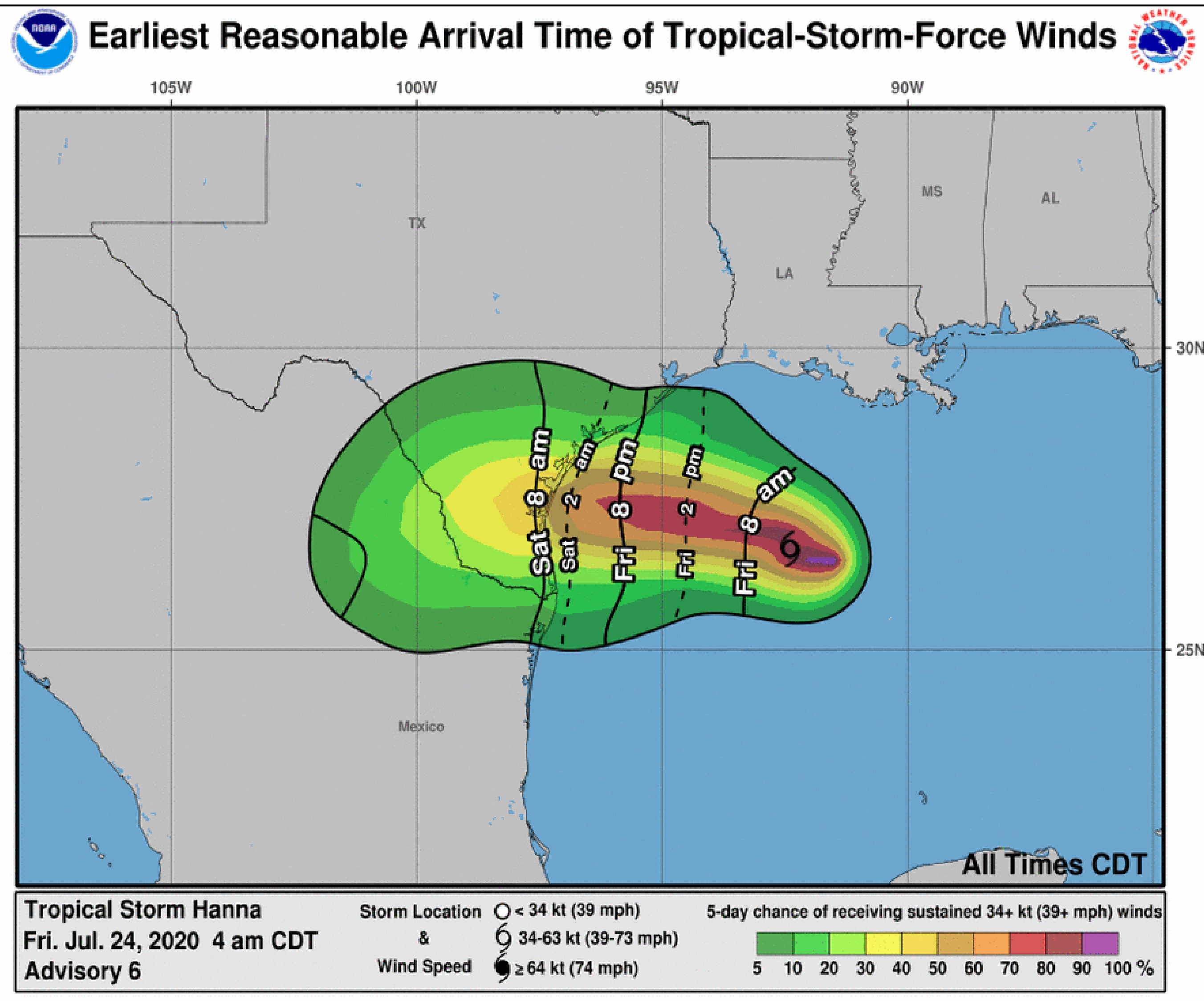
<https://nowcoast.noaa.gov/>

Earliest Reasonable Time of Arrival



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Tropical Storm Hanna



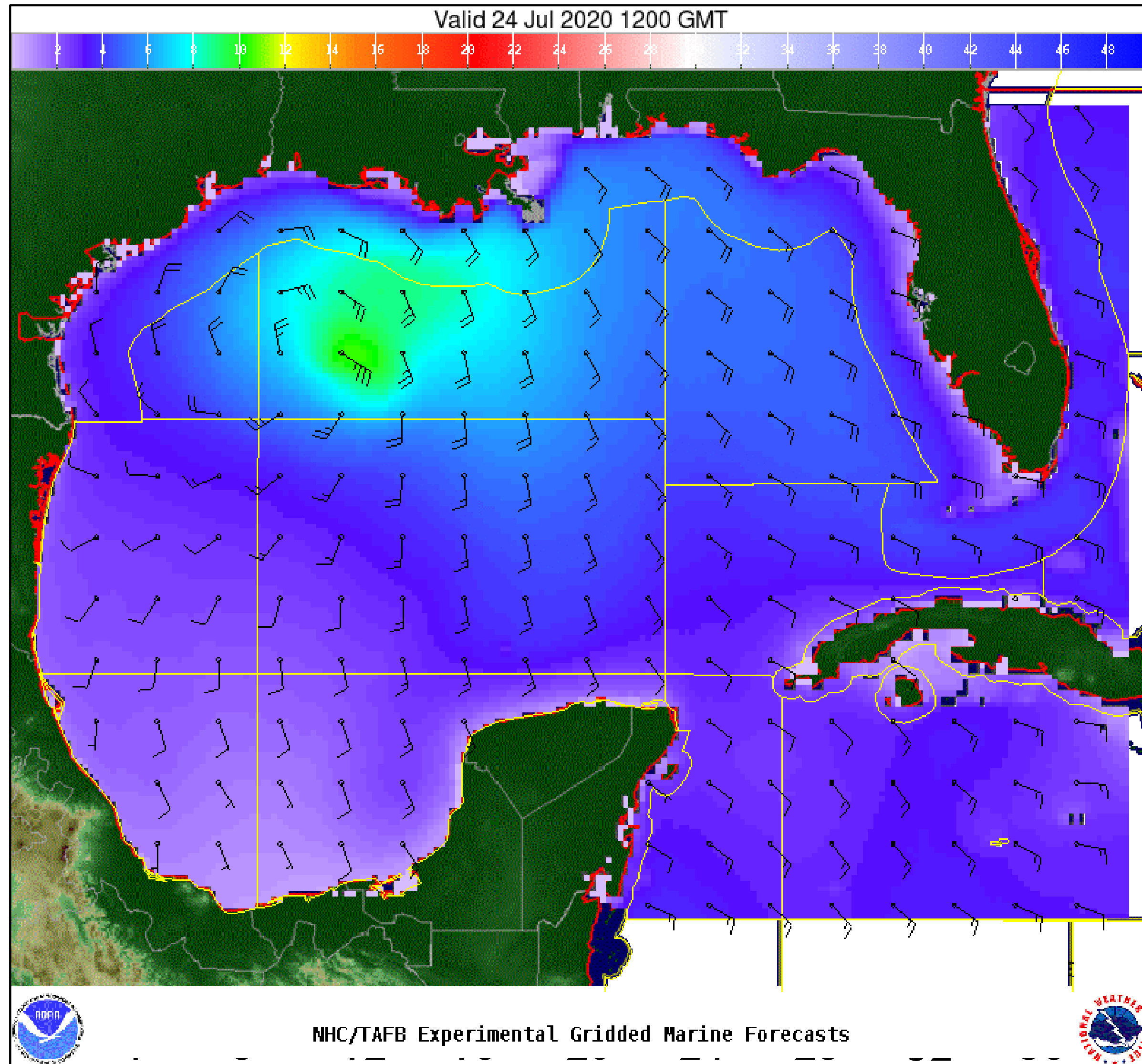
- **Guaranteed to be a tropical storm at landfall...**
- **...Yet highest chances locally are 60% just south of Corpus Christi**
- **Timing: Late tonight along south and central Texas coast for tropical storm winds**
- The earliest reasonable time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color bar below the image for more details.

Wind And Waves

Tropical Storm Hanna



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Current Conditions 7am CDT, Friday, July 24th, 2020

Peak Winds: 35 kt

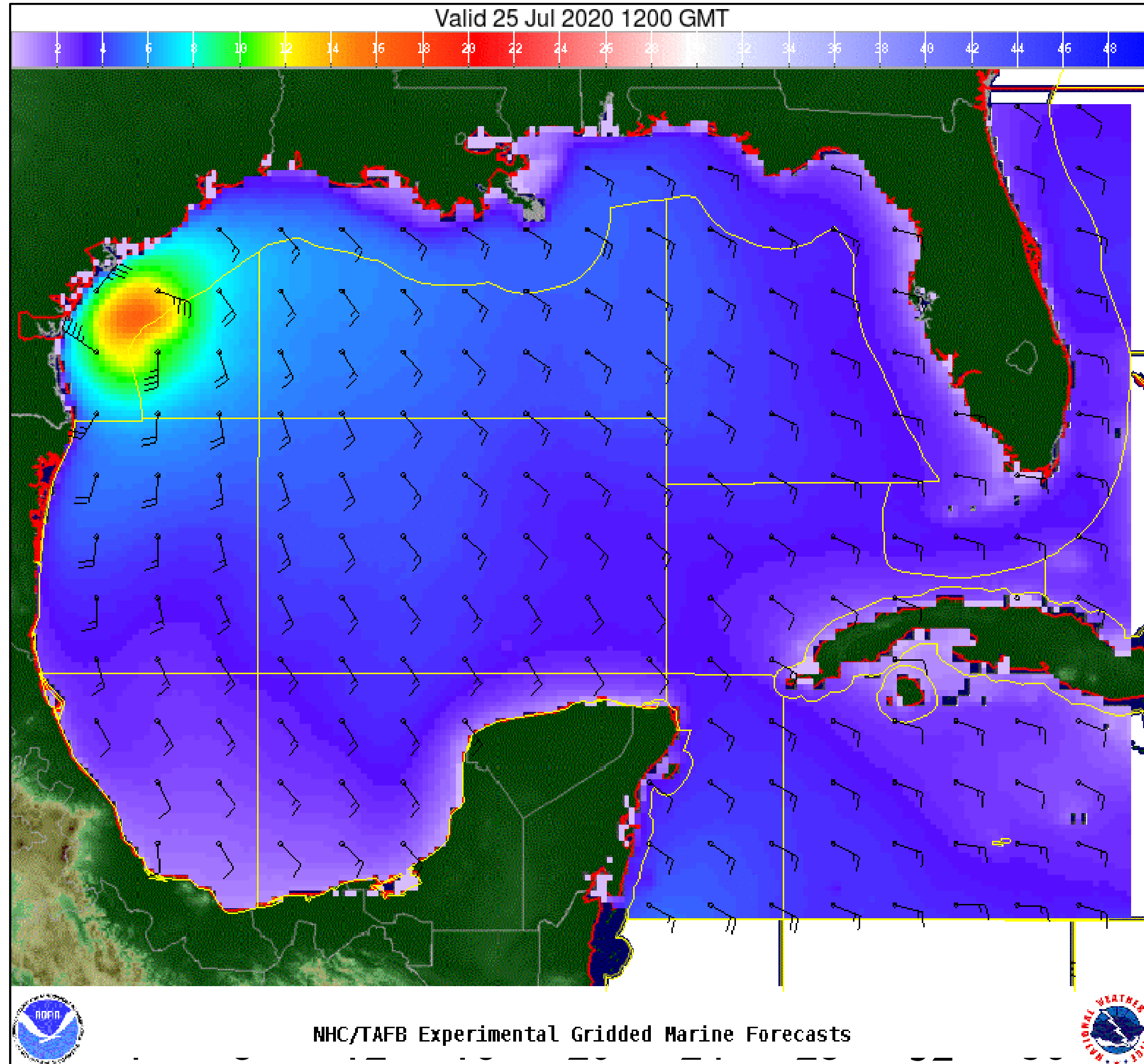
Peak Seas: 11 ft

Wind And Waves

Tropical Storm Hanna



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24 Hour Forecast

7am CDT, Saturday, July 25th, 2020

Peak Winds: 50 kt

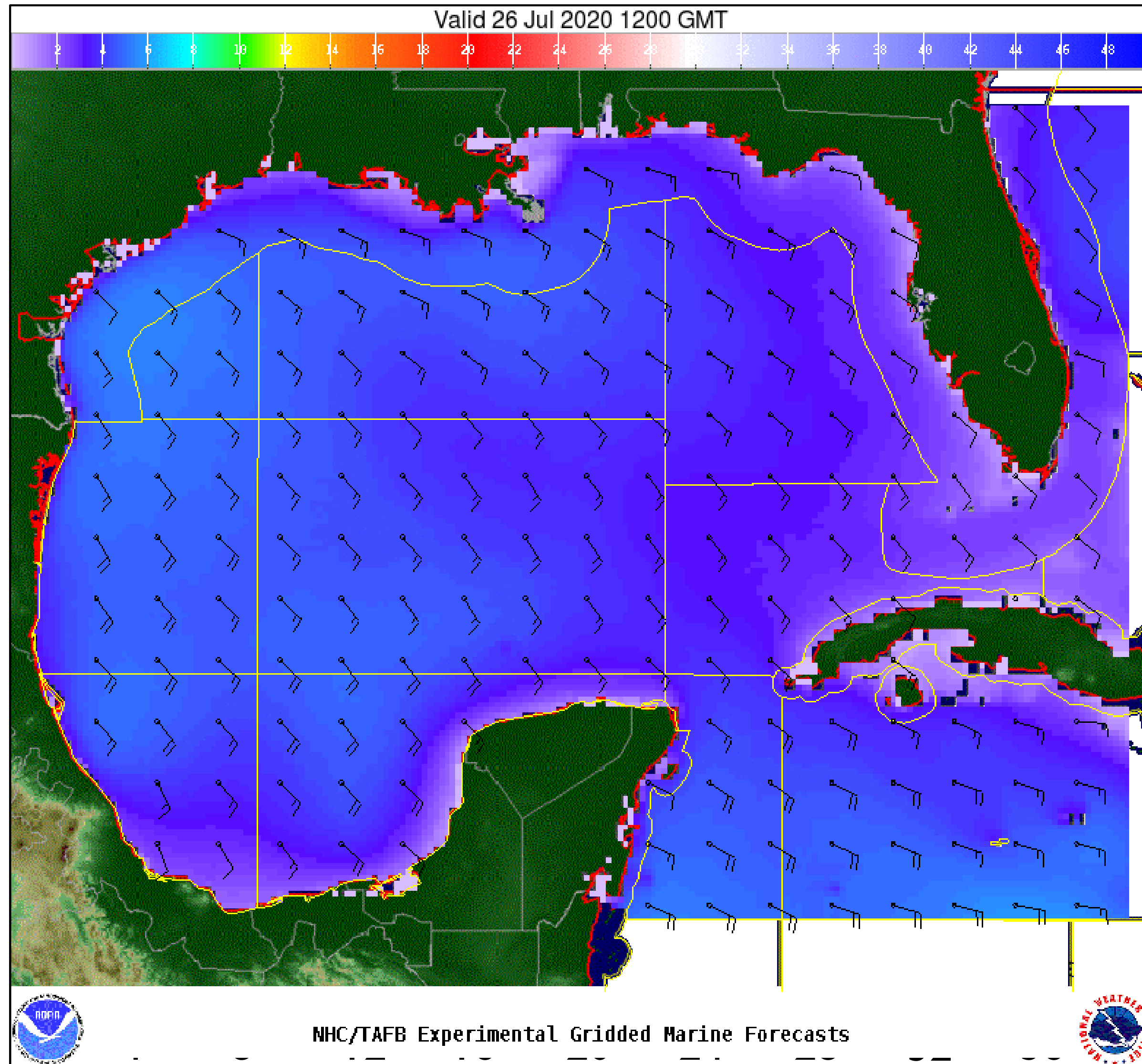
Peak Seas: 15 ft

Wind And Waves

Tropical Storm Hanna



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48 Hour Forecast

7am CDT, Sunday, July 26th, 2020

Peak Winds (over water): 20 kt

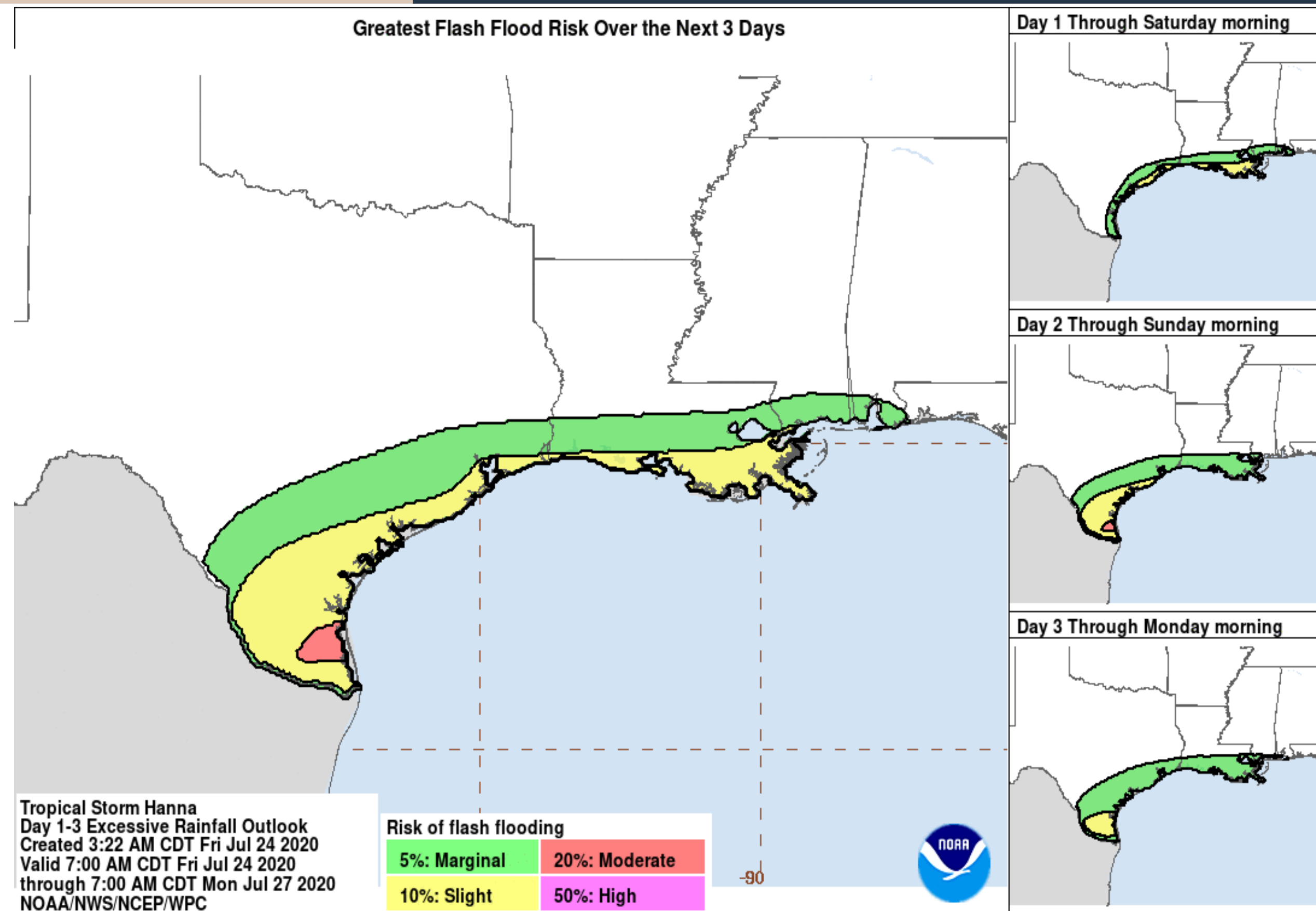
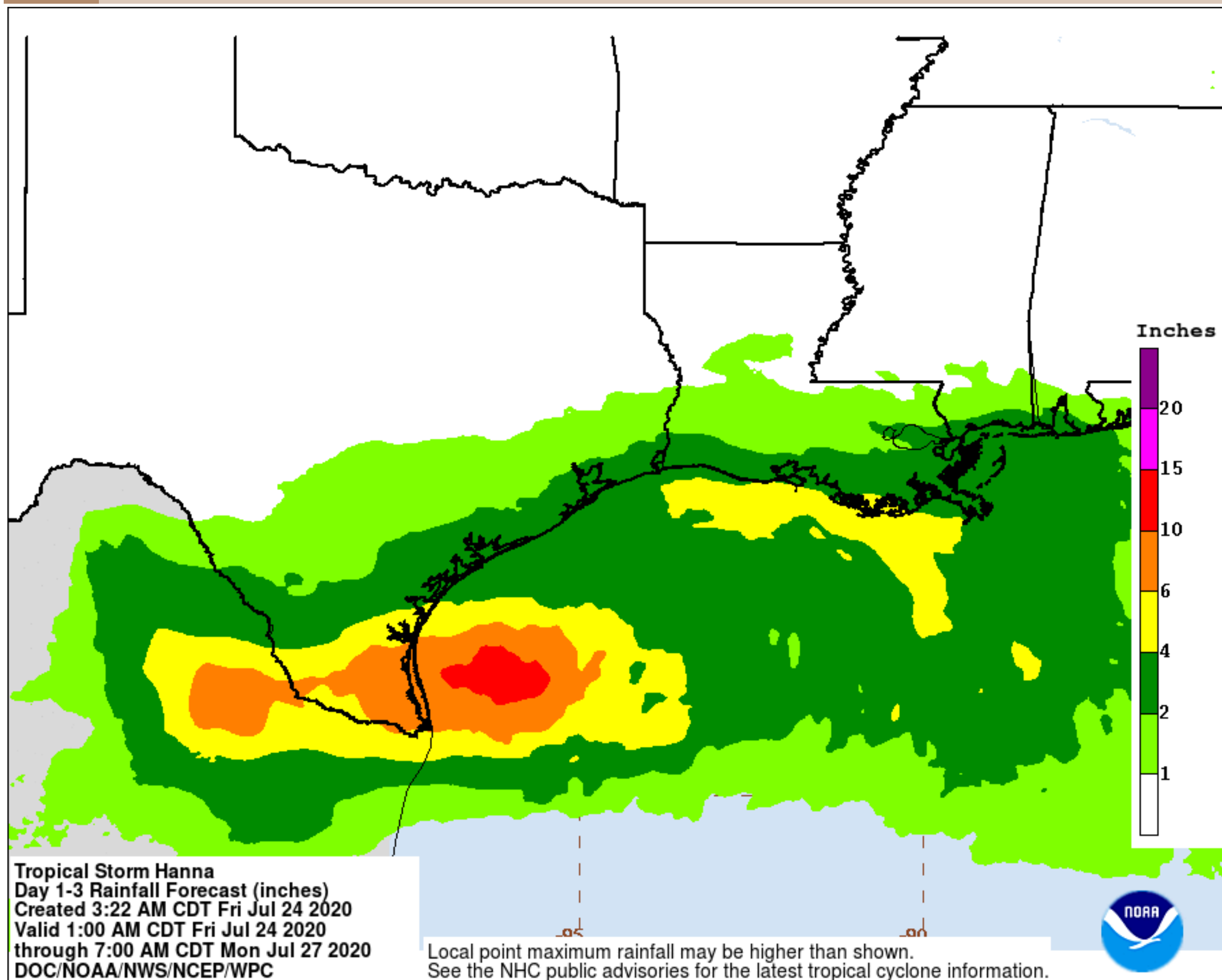
Peak Seas: 6 ft

Expected Storm Total Rainfall

Tropical Storm Hanna



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Risk of rainfall exceeding flash flood guidance within 25 miles of a point

HIGH: > 50% **SLGHT: 10%-20%**
MDT: 20%-50% **MRGL: 5%-10%**


Chance of flooding rain through Monday morning

Key Messages

Tropical Storm Hanna

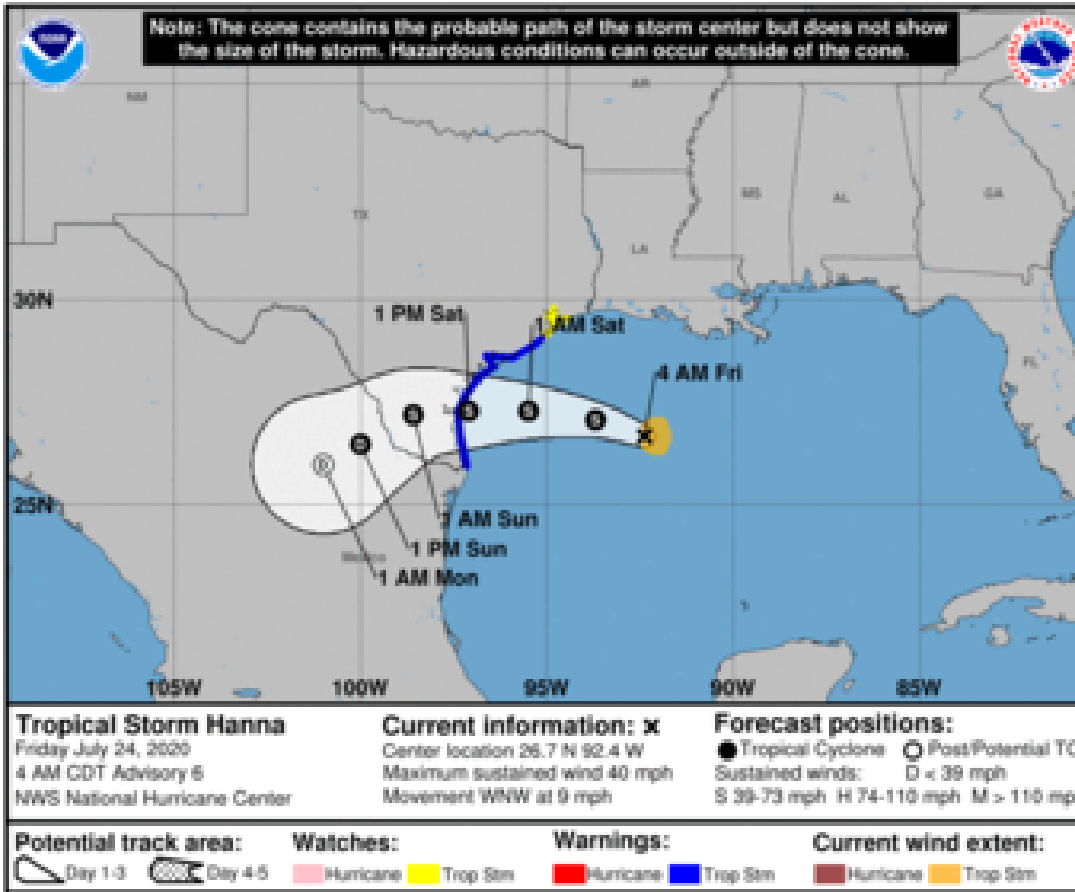
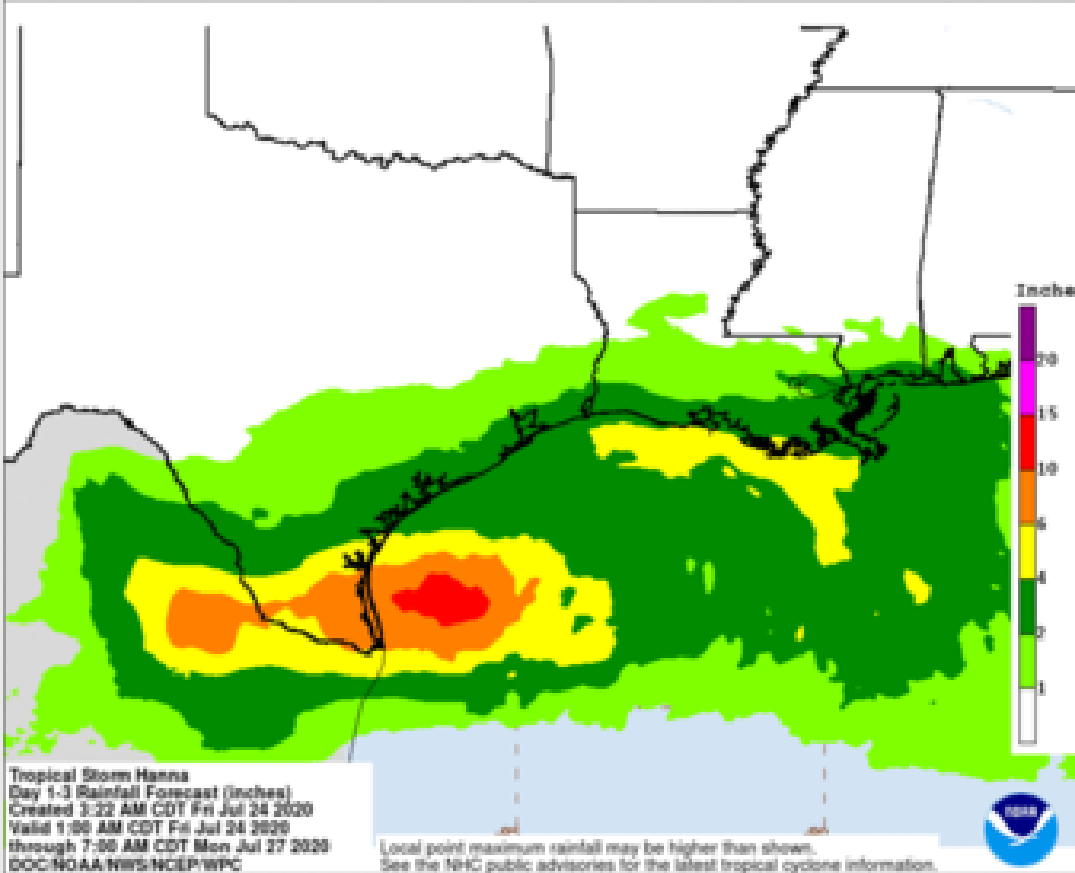


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Key Messages for Tropical Storm Hanna

Advisory 6: 4:00 AM CDT Fri Jul 24, 2020



1. Hanna is forecast to strengthen and it is expected to bring tropical-storm-force winds to portions of the Texas coast, where a tropical storm warning is in effect.

2. Hanna is expected to produce heavy rains across portions of southern Texas. These rains could result in flash flooding and isolated minor to moderate river flooding.

For more information go to hurricanes.gov

Tropical Storm Hanna
Day 1-3 Rainfall Forecast (Inches)
Created 3:32 AM CDT Fri Jul 24 2020
Valid 1:00 AM CDT Fri Jul 24 2020
through 7:00 AM CDT Mon Jul 27 2020
DOC-NOAA-NWS-NCEP/WPC

Note: The cone contains the probable path of the storm center but does not show the size of the storm. Hazardous conditions can occur outside of the cone.

Tropical Storm Hanna
Friday July 24, 2020
4 AM CDT Advisory 6
NWS National Hurricane Center

Current information: x
Center location 26.7 N 92.4 W
Maximum sustained wind 40 mph
Movement WNW at 9 mph

Forecast positions:
● Tropical Cyclone ○ Post-Potential TC
Sustained winds: D = 39 mph
S 39-73 mph H 74-110 mph M > 110 mph

Potential track area: Watches: Warnings: Current wind extent:
Day 1-3 Day 4-5 Hurricane Trop Stm Hurricane Trop Stm Hurricane Trop Stm

- **Marine Key Message:**
- Seas to peak near 15 ft Saturday morning offshore of the south and central Texas coast
- Seas will quickly recede on Sunday



TROPICAL STORM HANNA BRIEFING

You can contact the Tropical Analysis and Forecast Branch at
305-229-4424

*The Next Briefing Will Be:
Saturday 9:00 AM CDT*

You can always find get the latest graphics and information for this storm at www.hurricanes.gov

