



TROPICAL DEPRESSION NINE BRIEFING

11:30 AM ET
Friday, September 23, 2022



Situation Overview

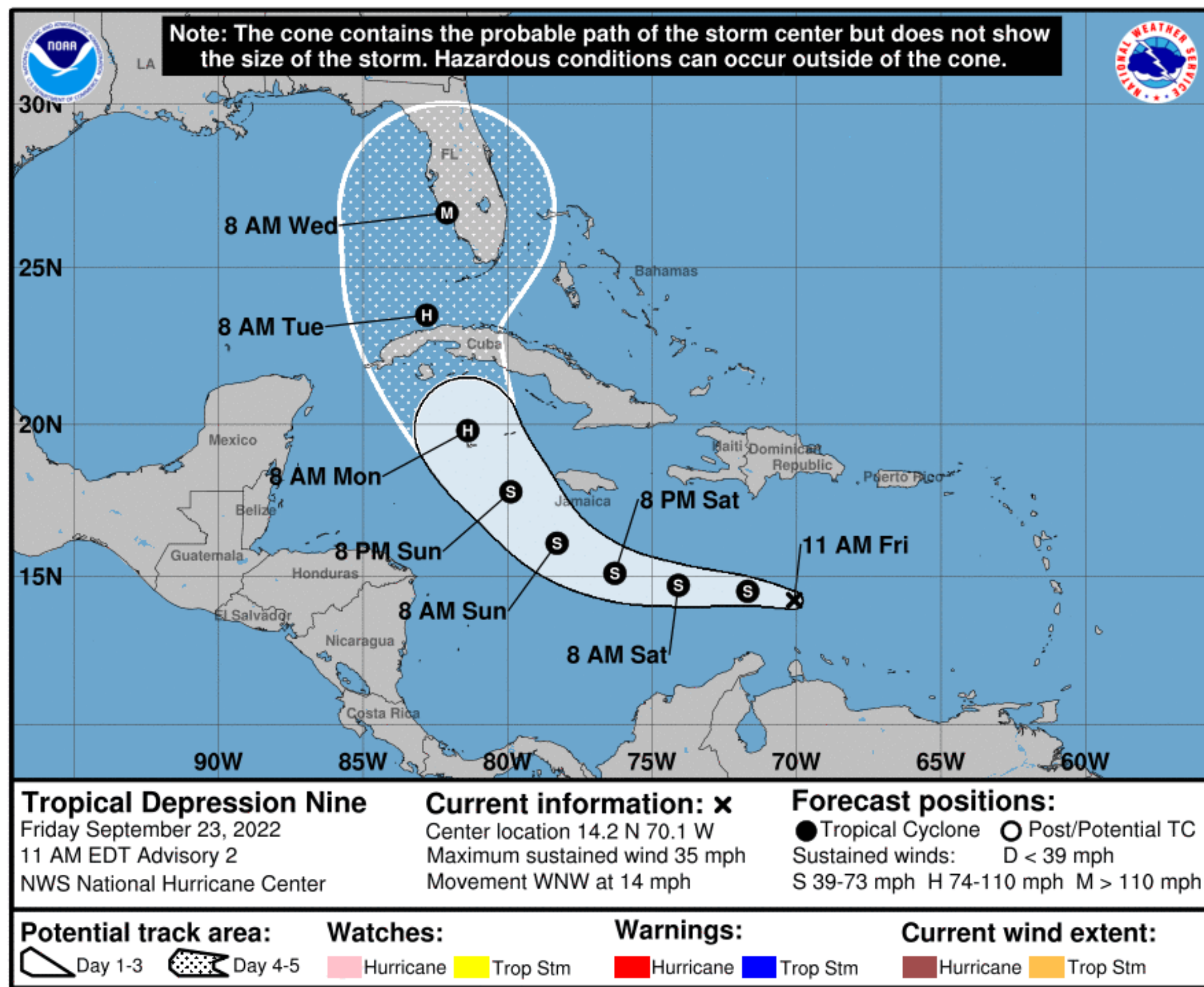
Tropical Depression Nine

- Tropical Depression Nine is moving west-northwest through the central Caribbean Sea.
- While slow intensification is forecast through Saturday, more significant intensification **to hurricane strength** is forecast Sunday and as it turns more toward the west-northwest and northwest through the northwestern Caribbean Sea. *The current forecast implies major hurricane strength is a distinct possibility before nearing the Florida Keys!*
- Tropical storm force winds could arrive as early as Monday afternoon. Therefore, any preparations should be complete by midday Monday. Hurricane force winds are also possible for some portions of the Florida Keys, with the most likely time frame for the roughest weather Tuesday morning through Tuesday evening.
- It is too early to discuss the magnitude of specific impacts to the Florida Keys, but these will include the potential for...
 - Damaging Storm Surge
 - Destructive winds
 - Flooding rainfall
 - The threat for tornadoes in rain bands.
- Please monitor future forecasts and briefings extremely closely. Review your tropical cyclone preparedness plans now and ensure your emergency supply kit is well-stocked. If your plans include several days worth of preparedness actions, be sure to begin your actions as soon as possible.



Situation Overview

Tropical Depression Nine



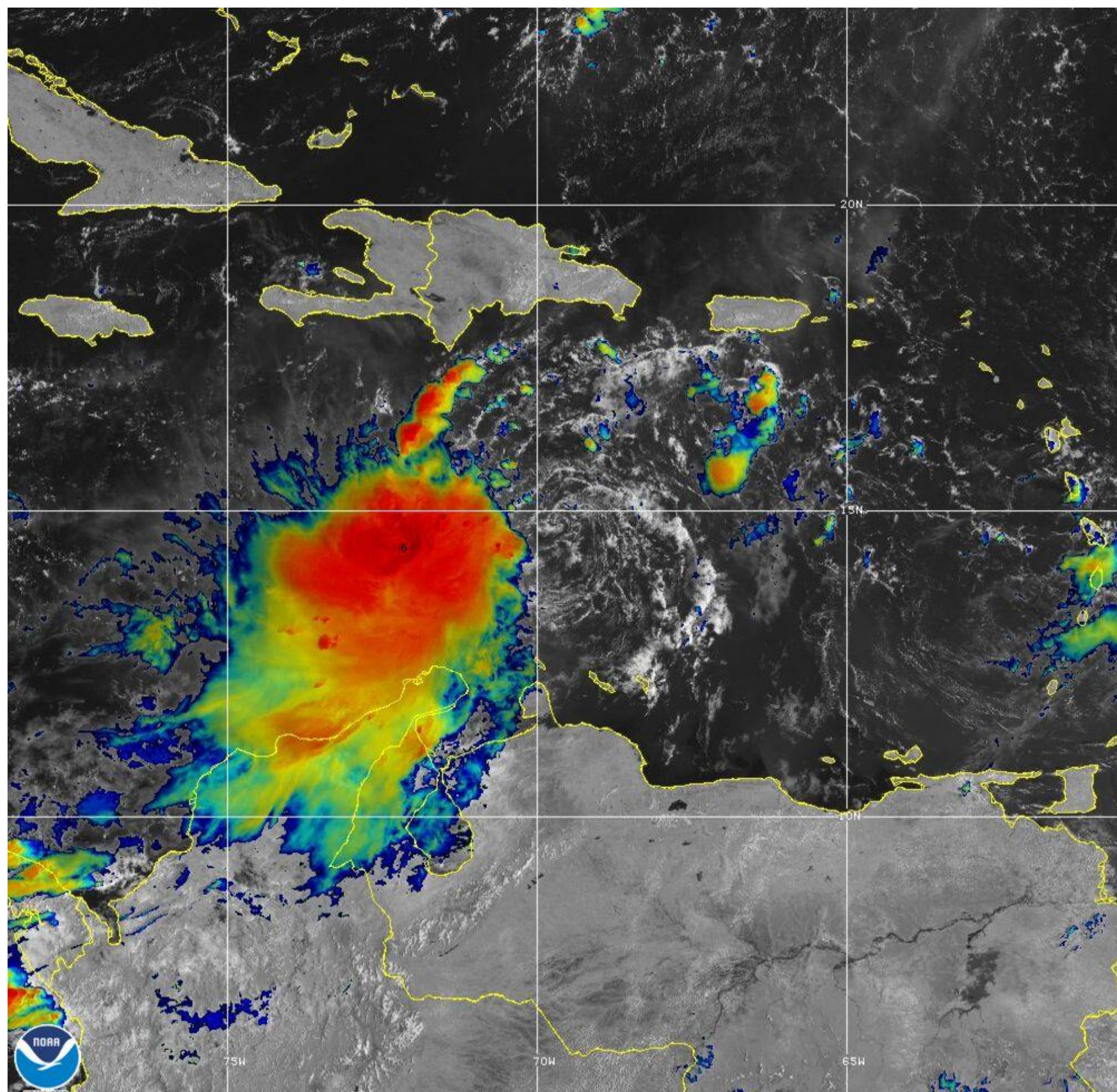
- Tropical Depression Nine is expected to strengthen over the Caribbean Sea.
- The depression is expected to move more westward through Saturday, then turn to the west-northwest and northwest on Sunday and Monday.
- Slow strengthening is forecast over the next day or so, becoming a tropical storm by tonight. More significant intensification is expected Sunday and Monday as it moves through the northwest Caribbean Sea.
- The forecast track cone specifies the 2/3 likelihood that the center of this disturbance moves within the cone. Weather impacts will extend well to the south and east of the edge of the forecast track cone.

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



Current Satellite View

Tropical Depression Nine



23 Sep 2022 14:20Z NOAA/NESDIS/STAR GOES-East Sandwich

As of 11 am ET, the center of the depression was located about 515 miles east southeast of Kingston, Jamaica. This is also about:

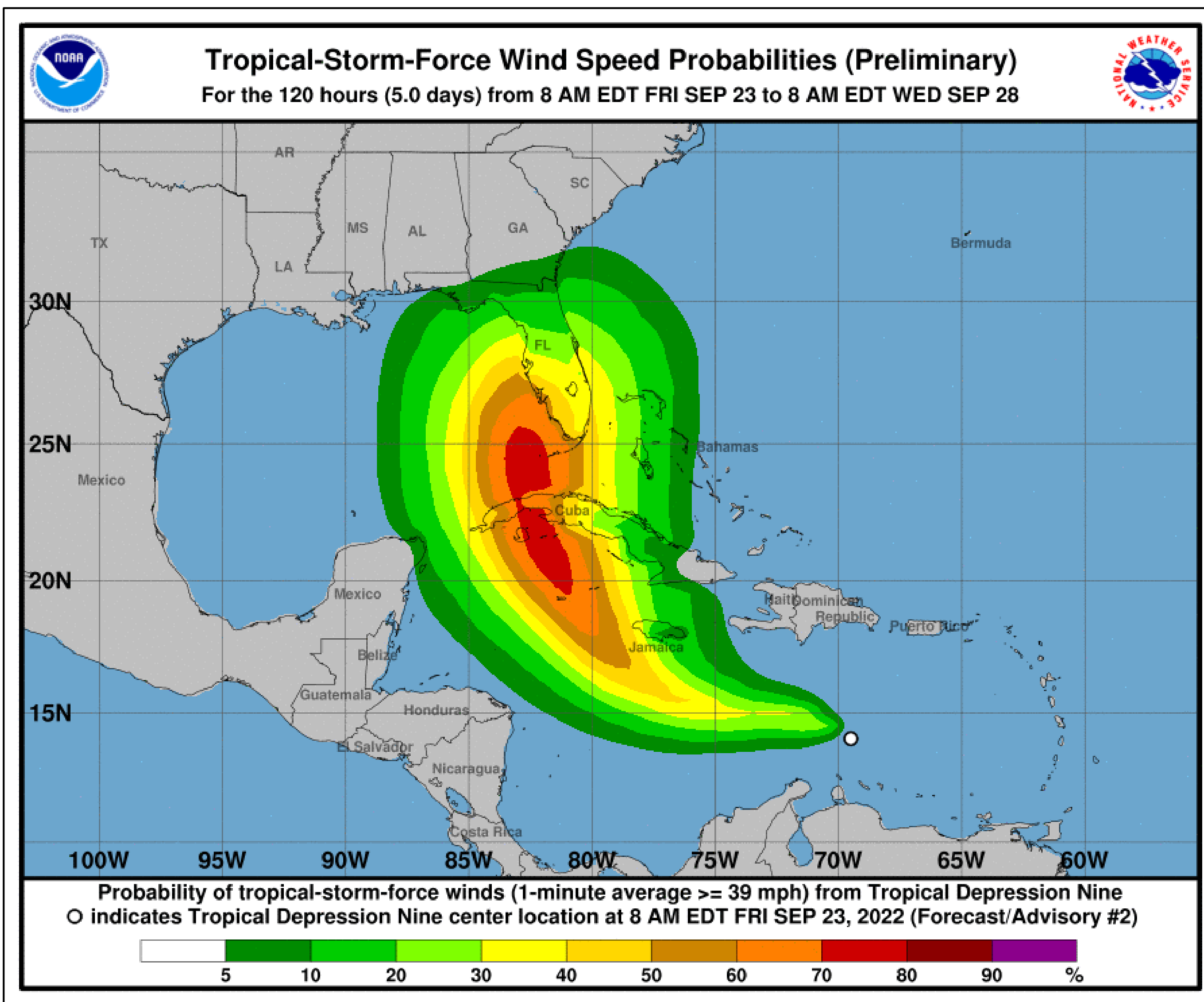
- 1005 miles SE of Key Largo
- 1015 miles SE of Marathon
- 1040 miles SE of Key West

Moving toward the west-northwest near 14 mph

Maximum sustained winds near 35 mph



Tropical Depression Nine



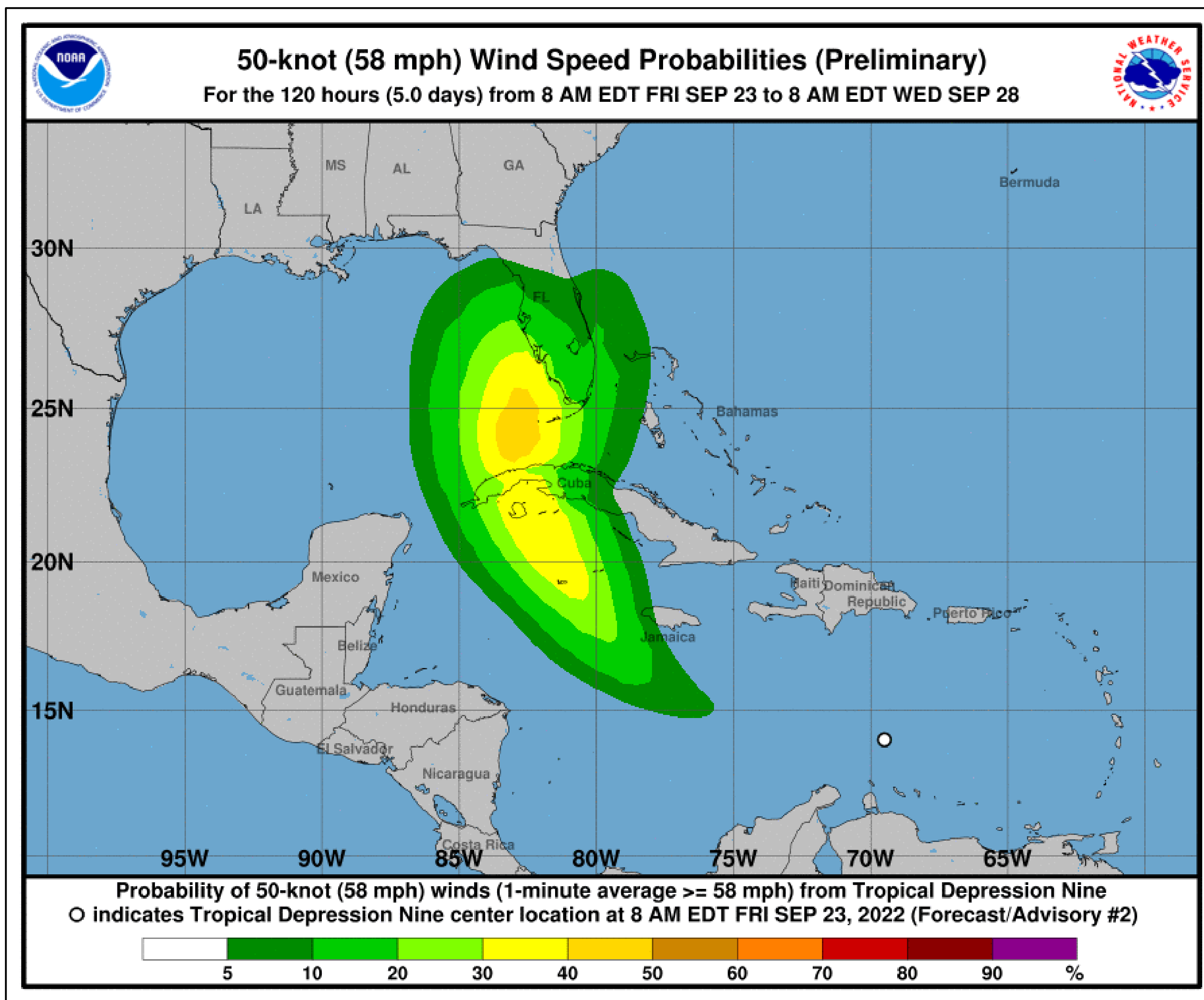
Community	Chance of Sustained Tropical Storm Force Wind (34+ knots / 39+ mph)
Key West	70
Marathon/Key Colony Beach	62
Layton	58
Islamorada	55
Key Largo	48
Ocean Reef	43

- Sustained tropical storm force winds are likely from Marathon/KCB Key West, and are roughly even chances for the remainder of the middle and upper Keys.
- Chances for sustained 50-knot winds range from near 1-in-3 for Key West to about 1-in-7 at Ocean Reef.
- Chances for sustained hurricane force winds range from 1-in-5 for Key West to about 1-in-15 at Ocean Reef



50kt (58mph) Wind Speed Probabilities

Tropical Depression Nine



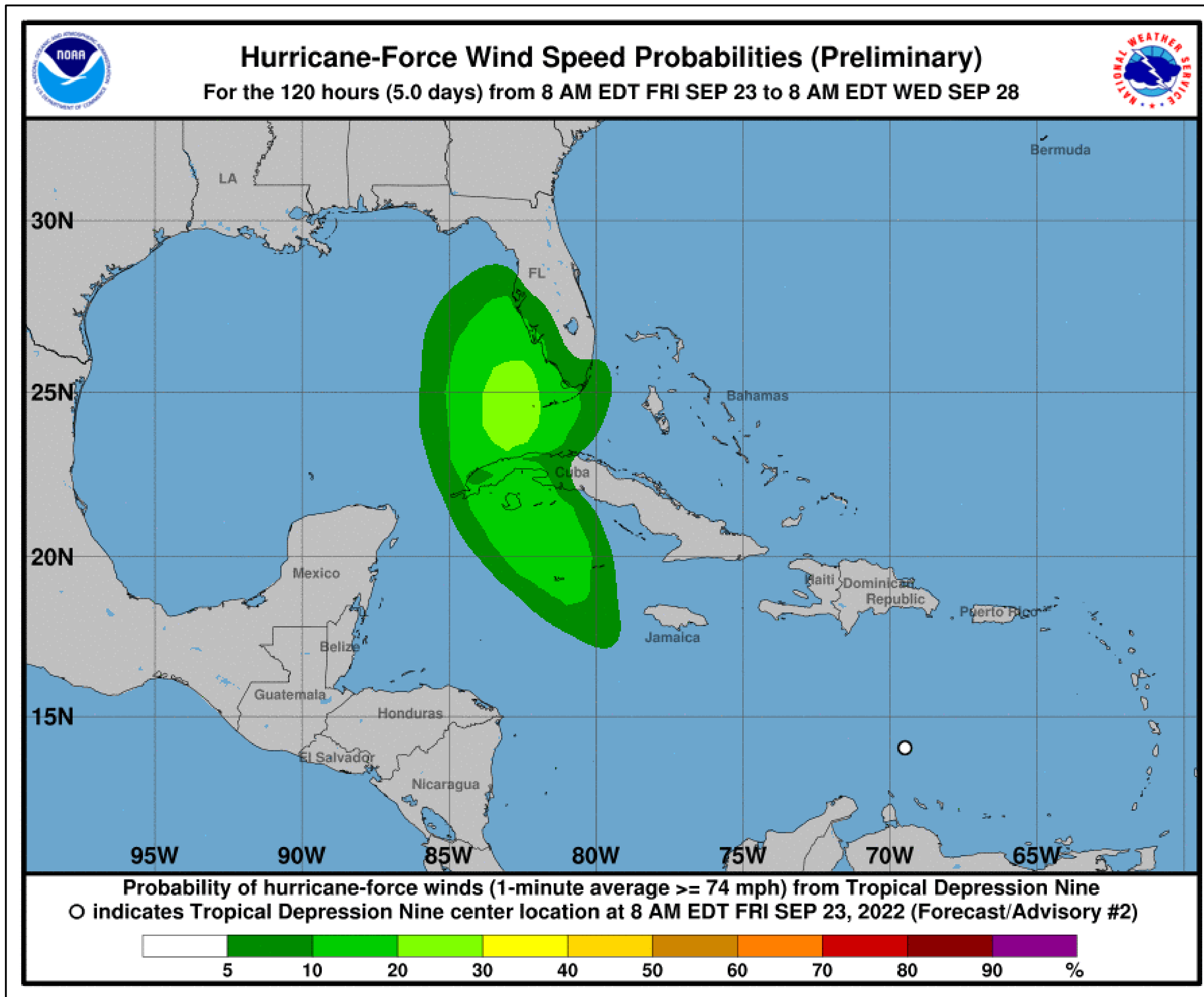
Community	Chance of Sustained 50-knot (Destructive Force) Wind (50+ knots / 58+ mph)
Key West	37
Marathon/Key Colony Beach	27
Layton	24
Islamorada	22
Key Largo	17
Ocean Reef	15

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Hurricane Wind Speed Probabilities

Tropical Depression Nine



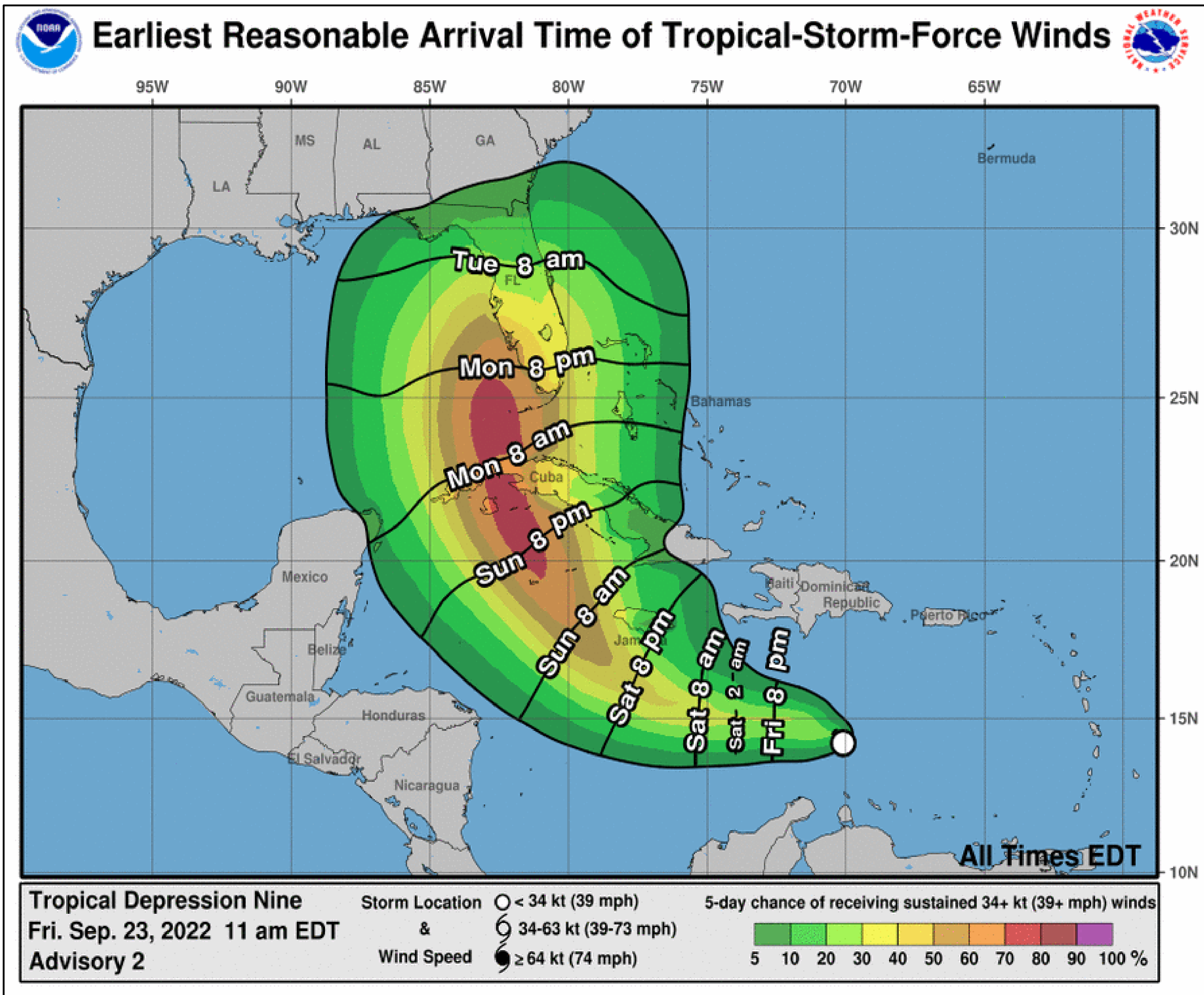
Community	Chance of Sustained Hurricane Force Wind (64+ knots / 74+ mph)
Key West	19
Marathon/Key Colony Beach	14
Layton	12
Islamorada	11
Key Largo	8
Ocean Reef	7

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Earliest Reasonable Time of Arrival

Tropical Depression Nine



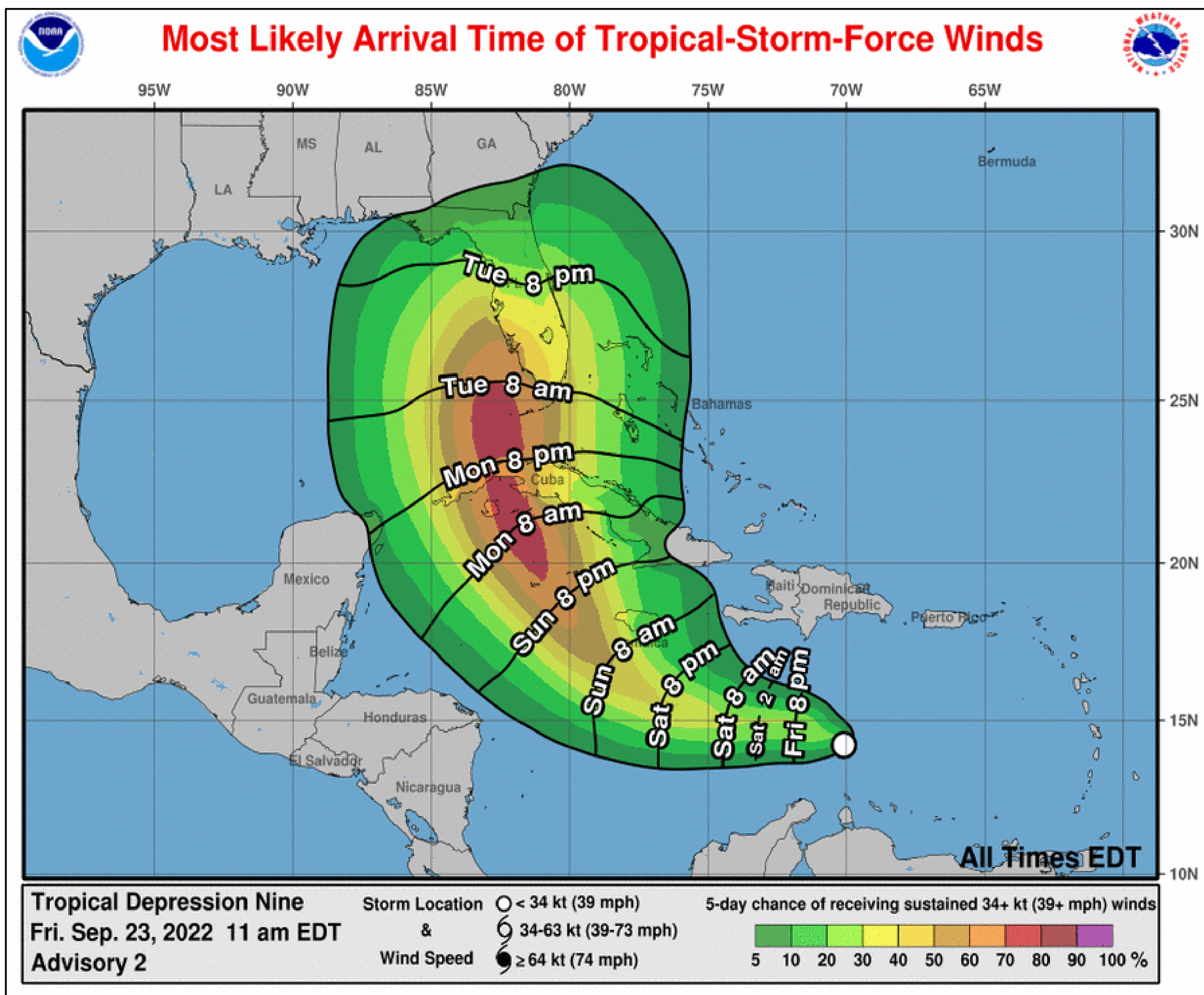
In the Florida Keys

- The earliest reasonable time of arrival of Tropical Storm Force winds would be Monday afternoon.
- However, the most likely time of arrival of Tropical Storm Force winds would be early morning Tuesday.
- Remember – the most-likely arrival time may fluctuate earlier and later with every new advisory. *Have your preparations complete by midday Monday!*



Most Likely Time of Arrival

Tropical Depression Nine



In the Florida Keys

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- However, the most likely time of arrival of Tropical Storm Force winds would be early morning Tuesday.
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Key Points

Tropical Depression Nine


- Tropical Depression Nine is moving west-northwest through the central Caribbean Sea.
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Next Briefing: Friday 5:30 PM ET


or sooner if there are significant changes in the development of the tropical depression or expected impacts in the Florida Keys


https://www.weather.gov/media/key/DSS/dssbrief_land.pdf


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For the latest graphics and information go to: www.hurricanes.gov or weather.gov/key/tropical