



# NATIONAL HURRICANE CENTER and CENTRAL PACIFIC HURRICANE CENTER

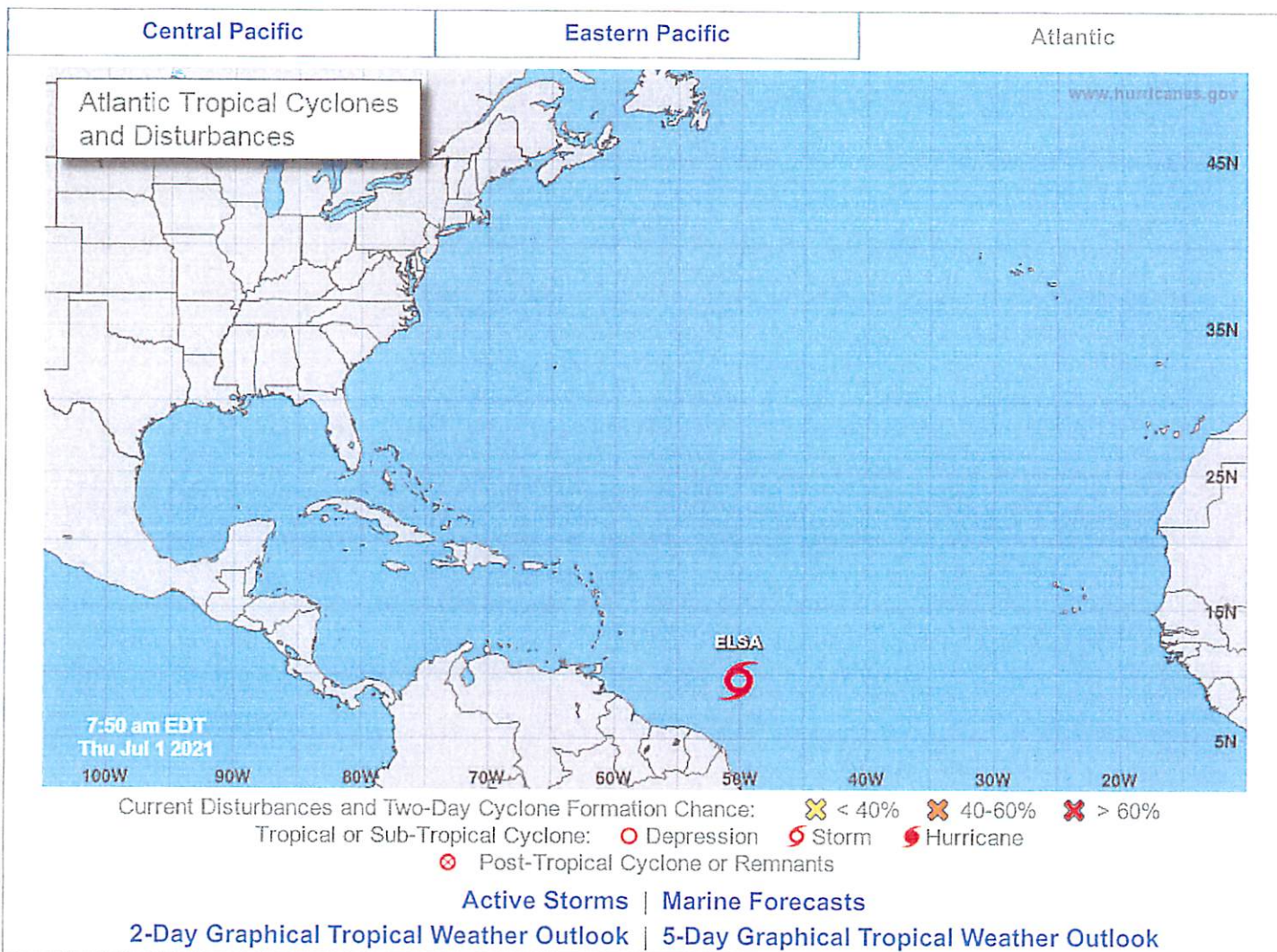
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

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Last update Thu, 1 Jul 2021 12:19:49 UTC

- **NHC issuing advisories for the Atlantic on TS Elsa**
- **Tropical Storm Warning: Caribbean/SW Atlantic – Graphical Forecast**
- Key Messages regarding Tropical Storm Elsa (en Español: Mensajes Claves)
- Hurricane Preparedness 2021
- Inside the Eye: Was 2020 a Record-Breaking Hurricane Season? Yes, But...



## Atlantic - Caribbean Sea - Gulf of Mexico

Tropical Weather Outlook (en Español\*)

800 AM EDT Thu Jul 1 2021

Tropical Weather Discussion

1205 UTC Thu Jul 1 2021

### Tropical Storm Elsa

[Satellite](#) | [Buoys](#) | [Grids](#) | [Storm Archive](#)

...ELSA CONTINUING QUICKLY WESTWARD...

8:00 AM AST Thu Jul 1  
 Location: 9.6°N 50.2°W  
 Moving: W at 25 mph  
 Min pressure: 1006 mb  
 Max sustained: 40 mph

Public Advisory #3A  
 800 AM AST

Aviso Publico\* #3A  
 800 AM AST

Forecast Advisory #3  
 0900 UTC

Forecast Discussion #3  
 500 AM AST

Wind Speed Probabilities #3  
 0900 UTC



Wind Speed Probabilities



Arrival Time of Winds



Wind History



Warnings/Cone Interactive Map



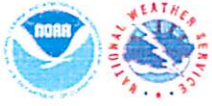
Warnings/Cone Static Images



Warnings and Surface Wind



Key Messages



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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION



## Tropical Storm Elsa Public Advisory

Home Public Adv Fcst Adv Discussion Wind Probs Graphics Archive

000  
WTNT35 KNHC 011149  
TCPAT5

BULLETIN  
Tropical Storm Elsa Intermediate Advisory Number 3A  
NWS National Hurricane Center Miami FL AL052021  
800 AM AST Thu Jul 01 2021

...ELSA CONTINUING QUICKLY WESTWARD...

SUMMARY OF 800 AM AST...1200 UTC...INFORMATION

LOCATION...9.6N 50.2W  
ABOUT 780 MI...1255 KM ESE OF THE WINDWARD ISLANDS  
MAXIMUM SUSTAINED WINDS...40 MPH...65 KM/H  
PRESENT MOVEMENT...W OR 275 DEGREES AT 25 MPH...41 KM/H  
MINIMUM CENTRAL PRESSURE...1006 MB...29.71 INCHES

*2125 miles SW of Sullivan's Island*

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

The Meteorological Service of Trinidad and Tobago has issued a Tropical Storm Watch for Grenada and its dependencies.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...  
\* Barbados  
\* Martinique  
\* St. Lucia  
\* St. Vincent and the Grenadines

A Tropical Storm Watch is in effect for...  
\* Guadeloupe  
\* Grenada and its dependencies

A Tropical Storm Warning means that tropical storm conditions are expected somewhere within the warning area within 36 hours.

A Tropical Storm Watch means that tropical storm conditions are possible within the watch area, in this case within 36 hours.

Interests elsewhere in the Windward Islands, Leeward Islands, the Virgin Islands, Puerto Rico, the Dominican Republic, and Haiti should monitor the progress of this system. Additional watches and warnings will likely be required later today.

For storm information specific to your area, please monitor products issued by your national meteorological service.

DISCUSSION AND OUTLOOK

At 800 AM AST (1200 UTC), the center of Tropical Storm Elsa was located near latitude 9.6 North, longitude 50.2 West. Elsa is

moving toward the west near 25 mph (41 km/h). An even faster motion toward the west-northwest is expected over the next 24 to 36 hours. On the forecast track, Elsa will pass near or over portions of the Windward Islands or the southern Leeward Islands on Friday, move into the eastern Caribbean Sea late Friday and Friday night, and move near the southern coast of Hispaniola on Saturday.

Maximum sustained winds are near 40 mph (65 km/h) with higher gusts. Some strengthening is forecast during the next couple of days.

Tropical-storm-force winds extend outward up to 105 miles (165 km) from the center.

The estimated minimum central pressure is 1006 mb (29.71 inches).

#### HAZARDS AFFECTING LAND

Key messages for Elsa can be found in the Tropical Cyclone Discussion under AWIPS header MIATCDAT5, WMO header WTNT45 KNHC and on the web at [www.hurricanes.gov/graphics\\_at5.shtml?key\\_messages](http://www.hurricanes.gov/graphics_at5.shtml?key_messages).

**WIND:** Tropical storm conditions are expected in portions of the Windward and southern Leeward Islands within the warning areas on Friday. Tropical storm conditions are possible in the watch areas on Friday.

**RAINFALL:** Elsa is expected to produce rainfall totals of 3 to 6 inches with maximum totals of 8 inches on Friday across the Windward and southern Leeward Islands, including Barbados. This rain may lead to isolated flash flooding and mudslides.

#### NEXT ADVISORY

Next complete advisory at 1100 AM AST.

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Forecaster Beven

## Quick Links and Additional Resources

### TROPICAL CYCLONE FORECASTS

[Tropical Cyclone Advisories](#)  
[Tropical Weather Outlook](#)  
[Audio/Podcasts](#)  
[About Advisories](#)

### MARINE FORECASTS

[Offshore Waters Forecasts](#)  
[Gridded Forecasts](#)  
[Graphicast](#)  
[About Marine](#)

### SOCIAL MEDIA

[NHC on Facebook](#)  
[Twitter](#)  
[YouTube](#)  
[NHC Blog: "Inside the Eye"](#)

### HURRICANE PREPAREDNESS

[Preparedness Guide](#)  
[Hurricane Hazards](#)  
[Watches and Warnings](#)  
[Marine Safety](#)  
[Ready.gov Hurricanes | en Español](#)  
[Weather-Ready Nation](#)  
[Emergency Management Offices](#)

### RESEARCH AND DEVELOPMENT

[NOAA Hurricane Research Division](#)  
[Joint Hurricane Testbed](#)  
[Hurricane Forecast Improvement Program](#)

### OTHER RESOURCES

[Q & A with NHC](#)  
[NHC/AOML Library Branch](#)  
[NOAA: Hurricane FAQs](#)  
[National Hurricane Operations Plan](#)  
[WX4NHC Amateur Radio](#)

### NWS FORECAST OFFICES

[Weather Prediction Center](#)  
[Storm Prediction Center](#)  
[Ocean Prediction Center](#)  
[Local Forecast Offices](#)

### WORLDWIDE TROPICAL CYCLONE CENTERS

[Canadian Hurricane Centre](#)  
[Joint Typhoon Warning Center](#)  
[Other Tropical Cyclone Centers](#)  
[WMO Severe Weather Info Centre](#)

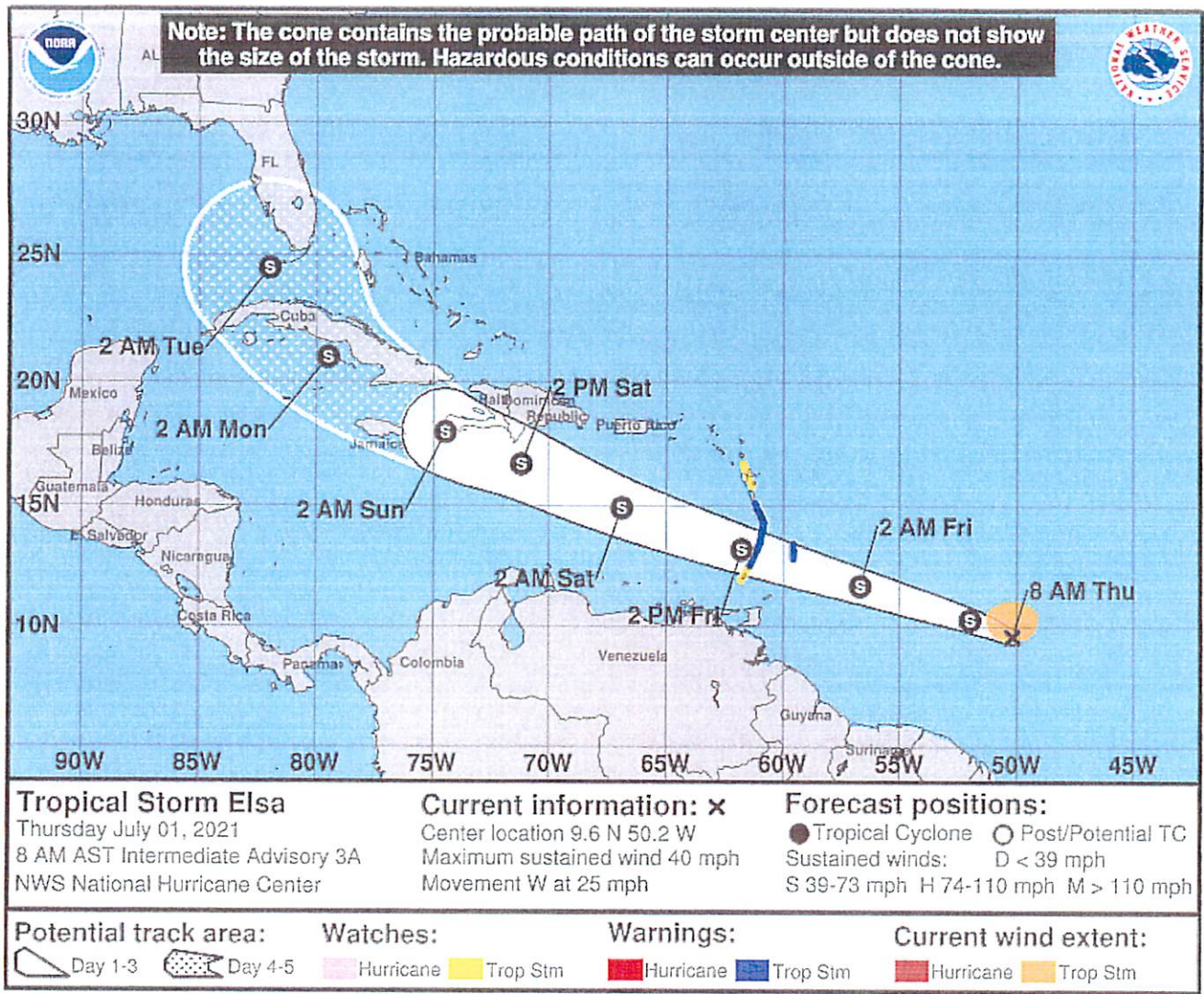


US Dept of Commerce  
National Oceanic and Atmospheric  
Administration  
National Hurricane Center  
11691 SW 17th Street  
Miami, FL, 33165  
[nhcwebmaster@noaa.gov](mailto:nhcwebmaster@noaa.gov)

Central Pacific Hurricane Center  
2525 Correa Rd  
Suite 250  
Honolulu, HI 96822  
[W-HFO.webmaster@noaa.gov](mailto:W-HFO.webmaster@noaa.gov)

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\* If the storm is forecast to dissipate within 3 days, the "Full Forecast" and "3 day" graphic will be identical

[Click Here for a 5-day Cone Printer Friendly Graphic](#)

How to use the cone graphic (video):



About this product:

This graphic shows an approximate representation of coastal areas under a hurricane warning (red), hurricane watch (pink), tropical storm warning (blue) and tropical storm watch (yellow). The orange circle indicates the current position of the center of the tropical cyclone. The black line, when selected, and dots show the National Hurricane Center (NHC) forecast track of the center at the times indicated. The dot indicating the forecast center location will be black if the cyclone is forecast to be tropical and will be white with a black outline if the cyclone is forecast to be extratropical. If only an L is displayed, then the system is forecast to be a remnant low. The letter inside the dot indicates the NHC's forecast intensity for that time:

- D: Tropical Depression – wind speed less than 39 MPH
- S: Tropical Storm – wind speed between 39 MPH and 73 MPH
- H: Hurricane – wind speed between 74 MPH and 110 MPH
- M: Major Hurricane – wind speed greater than 110 MPH

NHC tropical cyclone forecast tracks can be in error. This forecast uncertainty is conveyed by the track forecast "cone", the solid white and stippled white areas in the graphic. The solid white area depicts the track forecast uncertainty for days 1-3 of the forecast, while the stippled area depicts the uncertainty on days 4-5. Historical data indicate that the entire 5-day path of the center of the tropical cyclone will remain within the cone about 60-70% of the time. To form the cone, a set of imaginary circles are placed along the forecast track at the 12, 24, 36, 48, 72, 96, and 120 h positions, where the size of each circle is set so that it encloses 67% of the previous five years official forecast errors. The cone is then formed by smoothly connecting the area swept out by the set of circles.