

**IMPACTS FOR D7 (through next 5 days)**

**Winds – High to Extreme**

**Storm Surge – Medium**

**Rainfall/Flash Flooding – Extreme**

**Tornadoes – Low**

**Waves - Extreme**

# Hurricane Lisa BRIEFING

Thu July 13, 2023 – 5pm EDT



Prepared by:  
**Andrew Hagen and Stephen Konarik**  
*Tropical Analysis and Forecast Branch*  
*NWS National Hurricane Center*

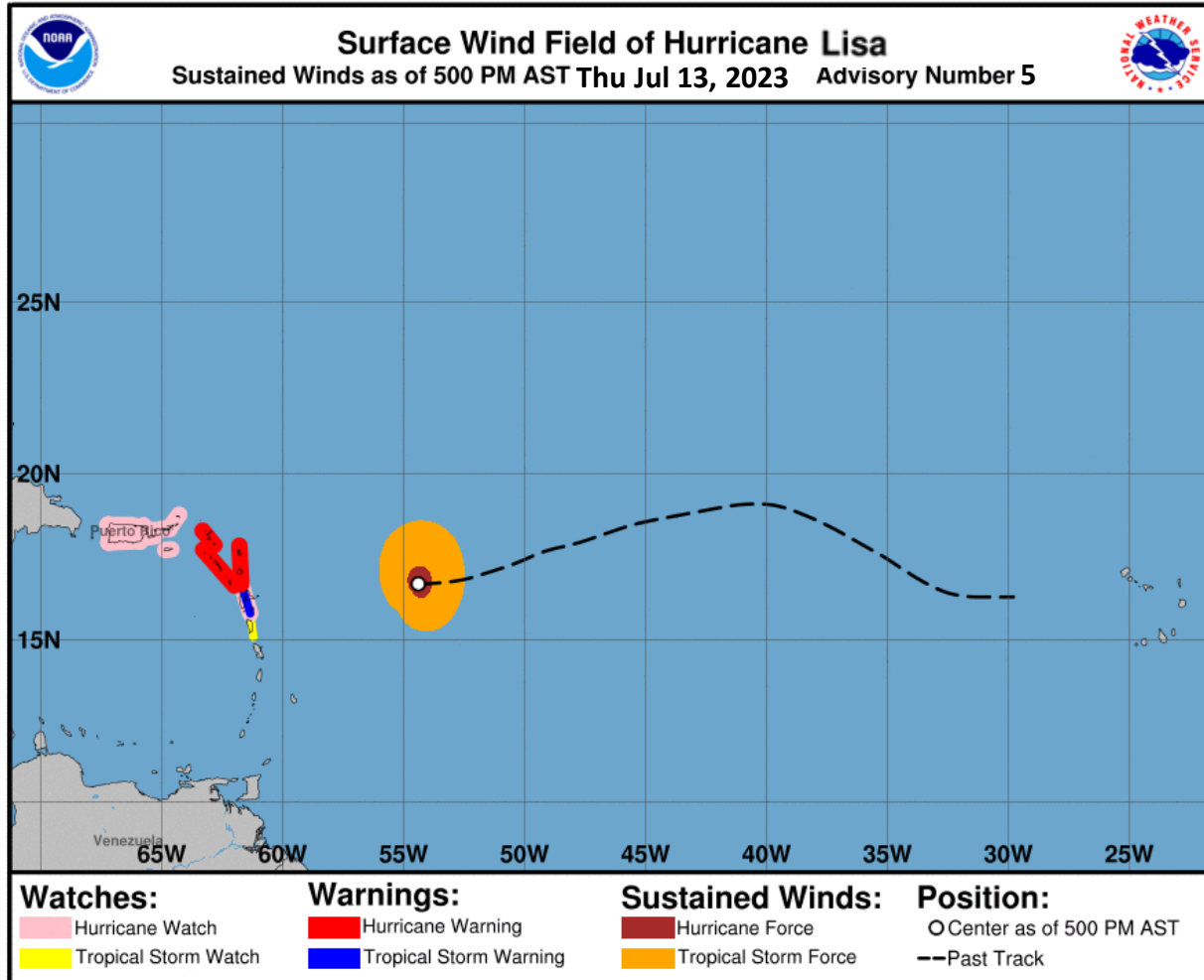


# Situation Overview

Hurricane Lisa



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center  
**EXERCISE**



## ...Lisa Strengthens as it Heads Toward Leeward Islands...

Summary of 500 PM EDT Information

-----

Location... 16.7N 54.4W  
About 425 nm...E of Leeward Islands  
About 680 nm...E of San Juan, PR  
Maximum Sustained Winds... 115 kt  
Present Movement... W at 11 kt

Size  
34 kt...120 NE 100 SE 70 SW 110 NW  
Seas to 42 ft

# Forecast Information

## Hurricane Lisa



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center  
**EXERCISE**



- **Lisa will move over the northern Leeward Islands by Sat morning, and approach Puerto Rico Sat afternoon**
- **Lisa is expected to continue moving WNW, staying near, or just north of, the Greater Antilles through Tue and potentially impact the southern Bahamas by late Mon**
- **Although some gradual weakening is possible, Lisa is expected to remain a major hurricane until after it passes near Puerto Rico.**

- Current center forecast positions through the next 5 days illustrated by dots
- White swatch is potential track error through day 3
- Hatched swatch is potential track error on days 4-5

\*\* Swaths are designed so the actual track will occur inside the cone two-thirds of the time. One-third of the time, the center will track outside the cone.

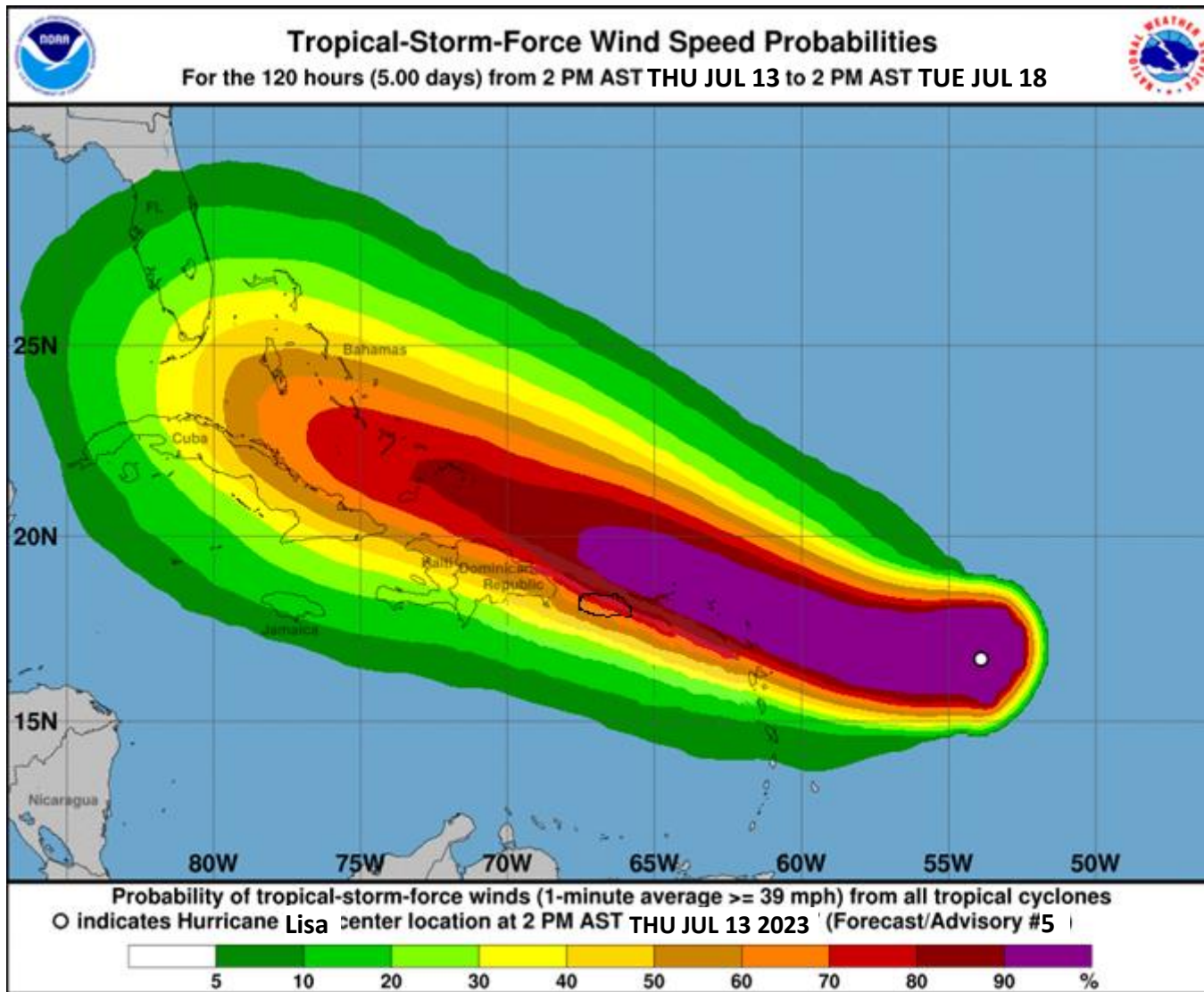
**NOTE:** Do not focus on the exact track. Impacts can occur well outside the area enclosed by the cone.

# T.S. Wind Speed Probabilities

Hurricane Lisa



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center  
**EXERCISE**



- Ponce 60%
- San Juan PR 80%
- Aguadilla, PR 70%
- Vieques 80%
- St. Croix 75%
- St. Thomas 90%
  
- Tampa 10%
- Key West 30%
- Miami 40%
- Opa Locka 35%
- Ft Lauderdale 35%
- Cocoa Beach 10%

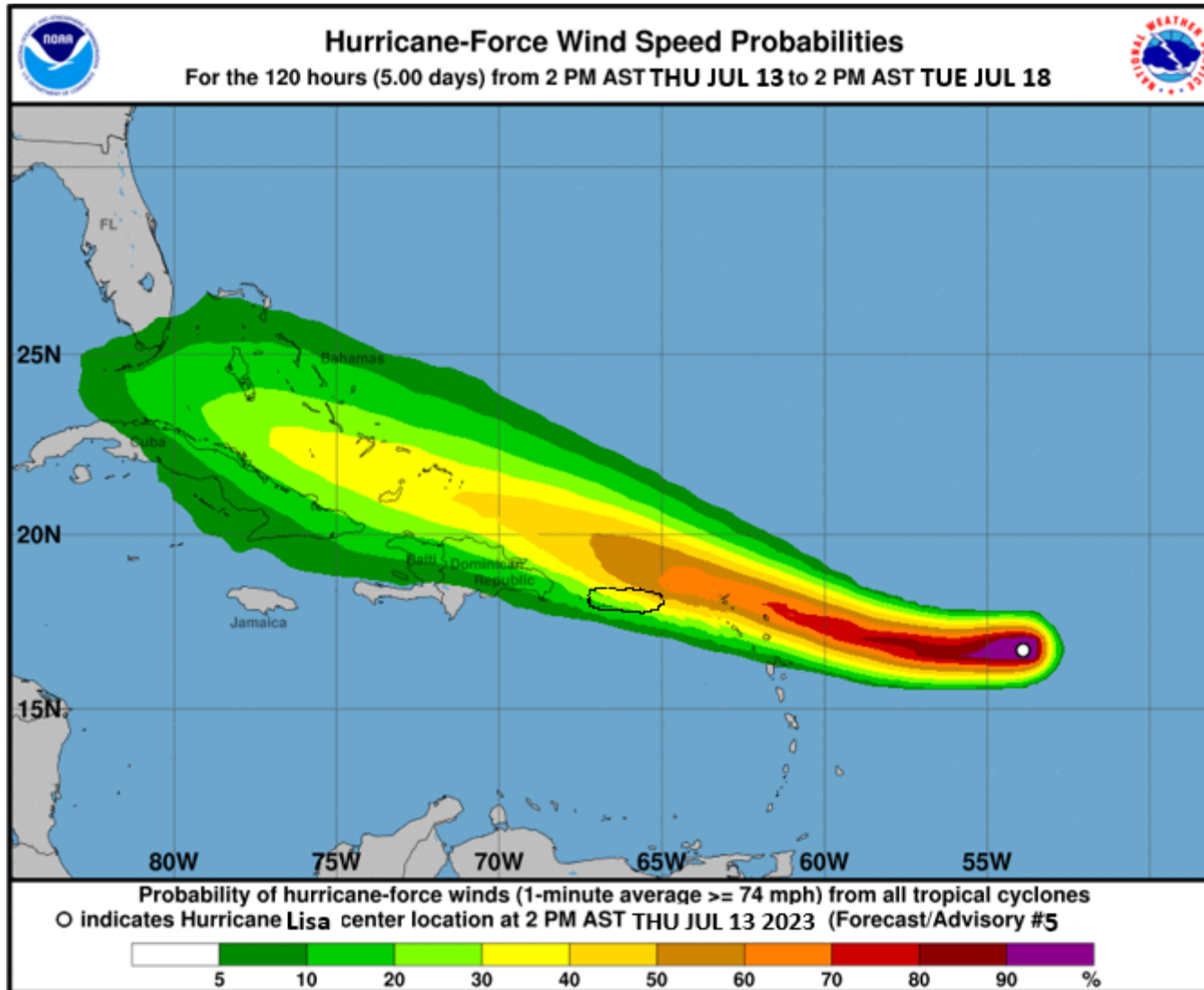
- Probabilities of sustained tropical storm force winds (34 kt to 63 kt) over the next 5 days, based off this cyclone's wind radii and track.

# Hurricane Wind Speed Probabilities

Hurricane Lisa



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center  
**EXERCISE**



- Ponce 20%
- San Juan PR 45%
- Aguadilla, PR 30%
- Vieques 45%
- St. Croix 30%
- St. Thomas 55%
  
- Key West 10%
- Miami 10%
- Opa Locka 5%
- Ft Lauderdale 5%
  
- Probabilities of sustained hurricane force winds (64 kt +) over the next 5 days, based off this cyclone's wind radii and track.

**EXERCISE**

[www.nhc.noaa.gov](http://www.nhc.noaa.gov)

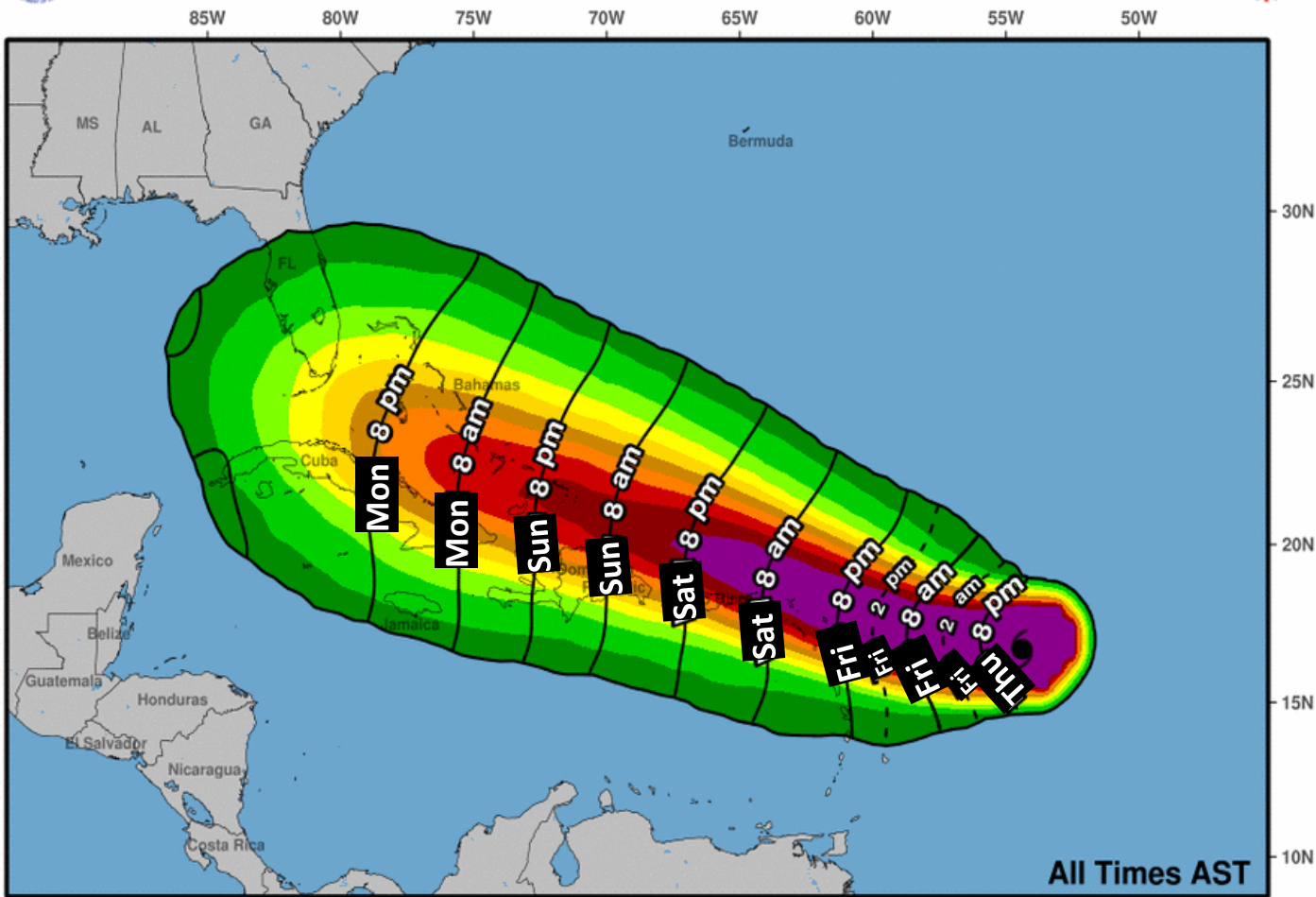
**EXERCISE**



## Hurricane Lisa



### Most Likely Arrival Time of Tropical-Storm-Force Winds



▪ Puerto Rico: **Saturday**

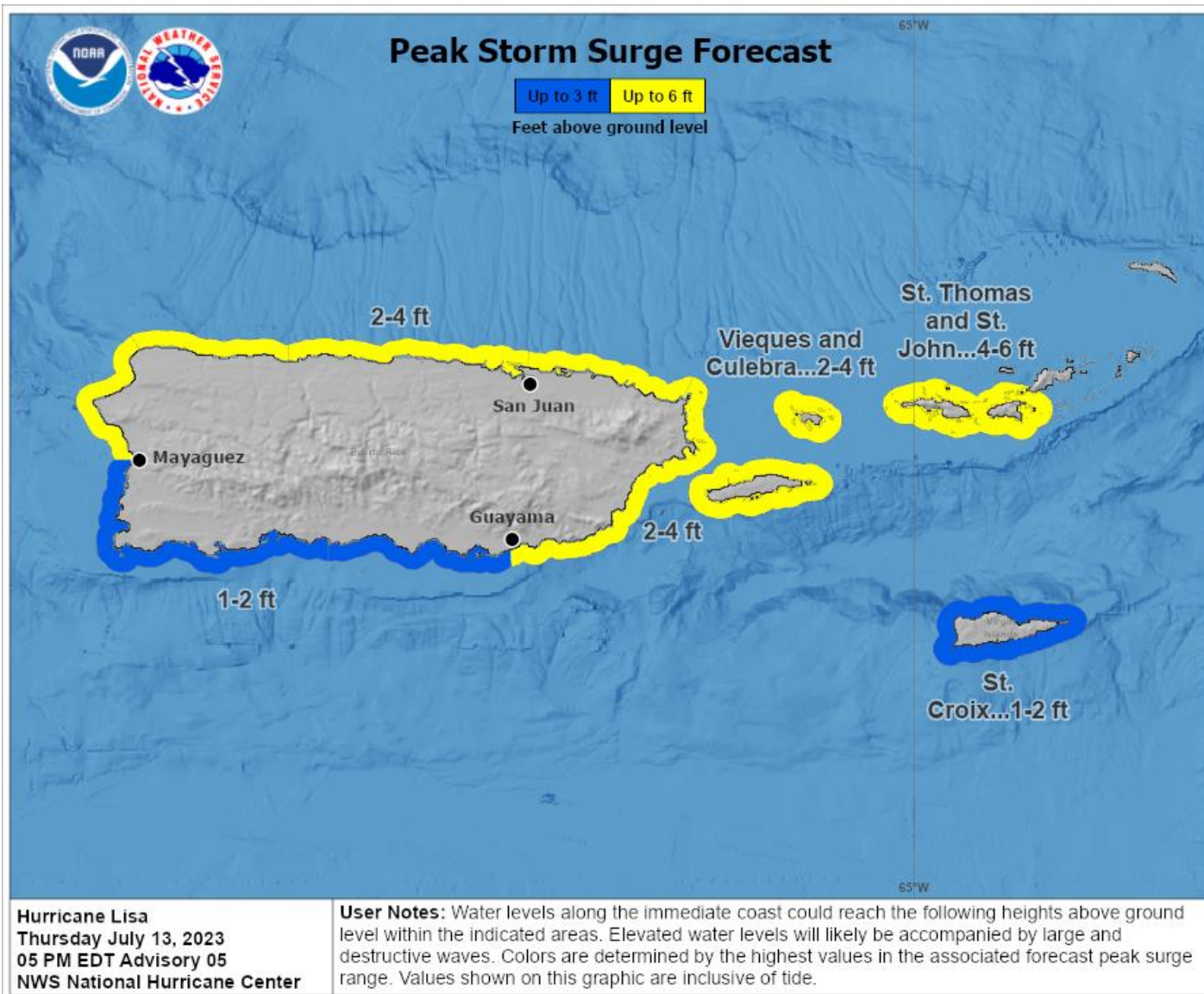
▪ The most likely time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.

# Storm Surge

Hurricane Lisa



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center  
**EXERCISE**

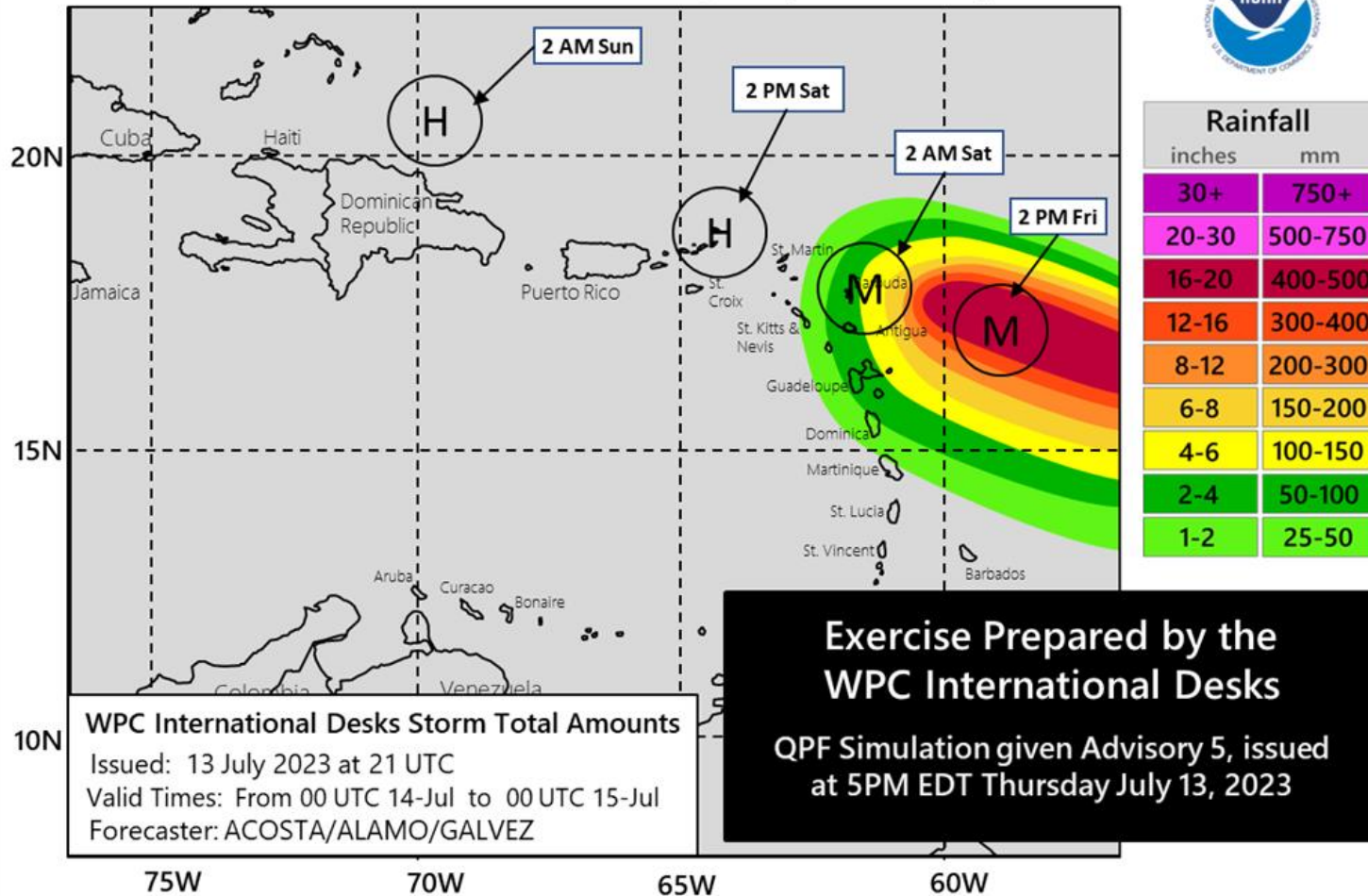


- Large Waves combined with storm surge will likely lead to significant beach erosion and potentially minor structural damage along the immediate NE and N coastlines of Puerto Rico



## Hurricane Lisa

### Hurricane Lisa 24-hr QPF (Exercise)



- The chance for Major Flooding Rainfall is increasing for Puerto Rico and the U.S. Virgin Islands





- Seas could build to 35 ft north of Puerto Rico on Sat with dangerous surf conditions

## **IMPACTS FOR D7 (through next 5 days)**

**Winds – High to Extreme**

**Storm Surge – Medium**

**Rainfall/Flash Flooding – Extreme**

**Tornadoes – Low**

**Waves - Extreme**