

IMPACTS FOR D7 (through next 5 days)

Winds – Extreme

Storm Surge – Medium

Rainfall/Flash Flooding – Extreme

Tornadoes – Low

Waves - Extreme

Major Hurricane Lisa BRIEFING

Tue May 13, 2025 – 5pm EDT

Prepared by:

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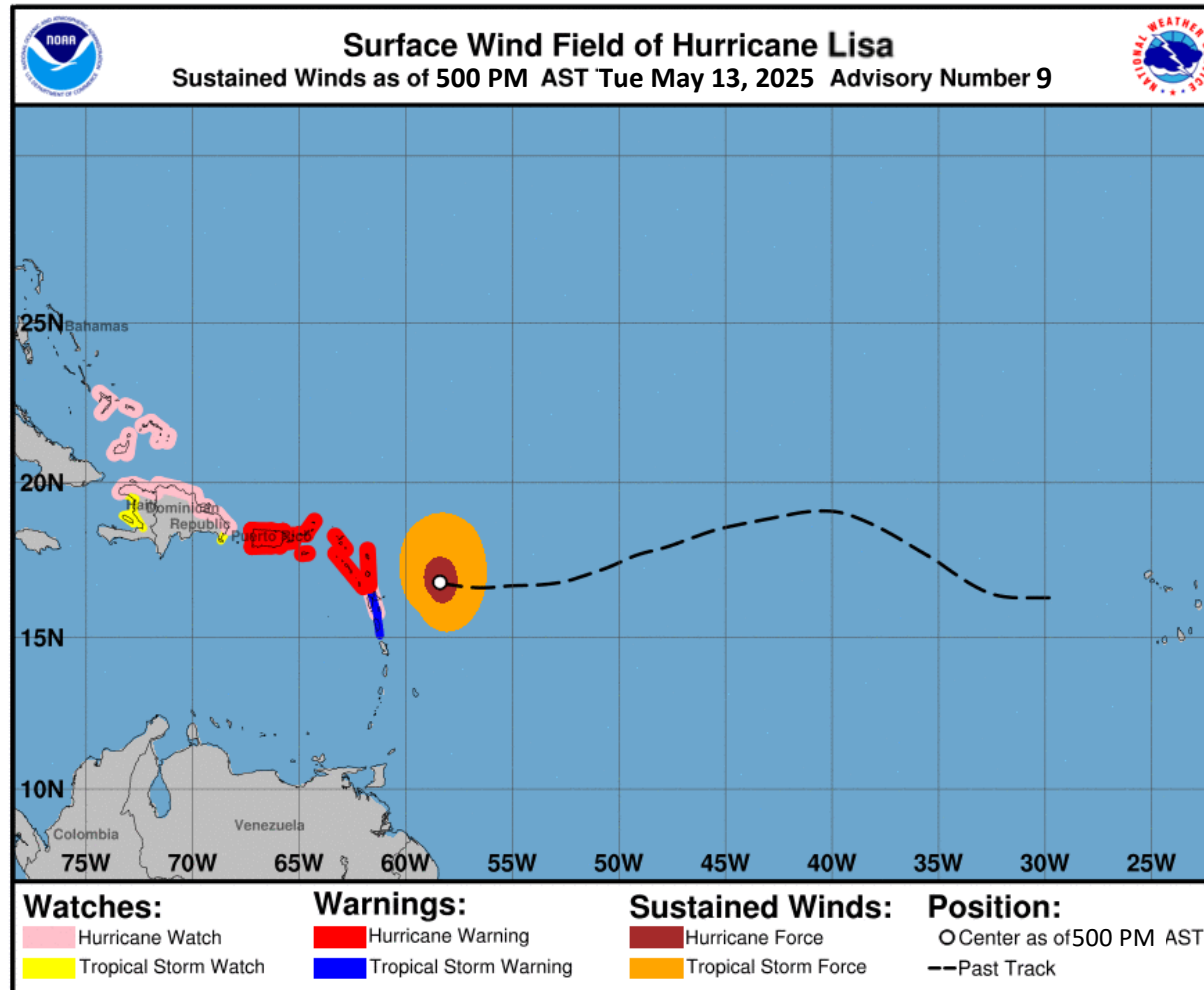
Situation Overview

Hurricane Lisa

****EXERCISE****



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...Major Hurricane Lisa Headed Toward the Leeward Islands...

...Preparations Should be Rushed to Completion in the Hurricane Warning area...

Summary of 500 PM EDT Information

Location... 16.8N 58.5W
About 190 nm...E of Antigua
About 445 nm...ESE of San Juan, PR
Maximum Sustained Winds... 140 kt
Present Movement... W at 10 kt

Size
34 kt...140 NE 110 SE 80 SW 130 NW
Seas to 42 ft

****EXERCISE****

www.nhc.noaa.gov

****EXERCISE****

Forecast Information

Hurricane Lisa

****EXERCISE****



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

- Lisa will move over the northern Leeward Islands tonight, and approach Puerto Rico late Wednesday
- Lisa is expected to continue moving WNW, staying near, or just north of, the Greater Antilles into Thursday
- Lisa is expected to remain a major hurricane until after it passes near Puerto Rico.

T.S. Wind Speed Probabilities

****EXERCISE****



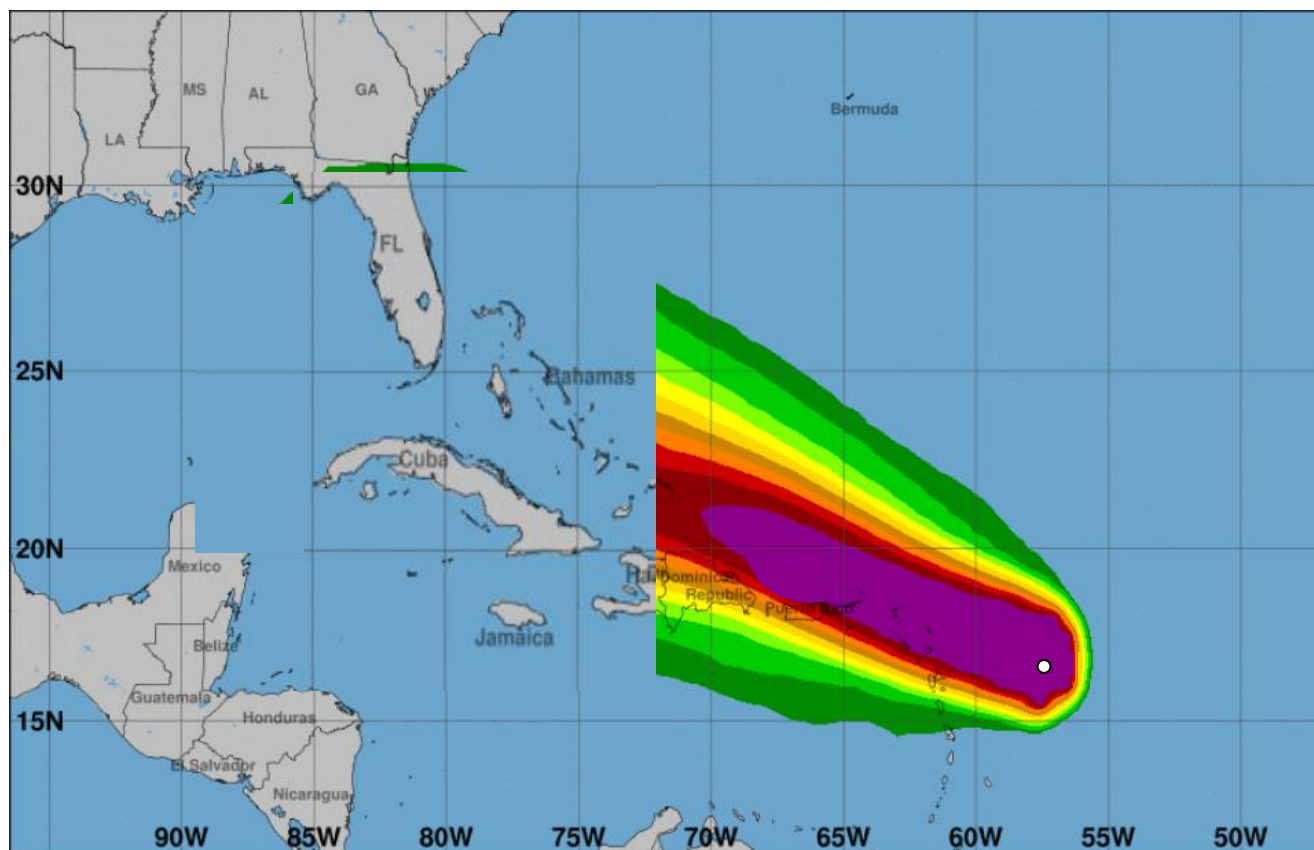
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Hurricane Lisa



Tropical-Storm-Force Wind Speed Probabilities

For the 120 hours (5.00 days) from 2 PM AST Tue May 13 to 2 PM AST Sat May 18



Probability of tropical-storm-force winds (1-minute average ≥ 39 mph) from all tropical cyclones

○ indicates Hurricane *Lisa* center location at 2 PM AST Tue May 13 2025 (Forecast/Advisory #9)



- Ponce, PR 80% (+15%)
- San Juan, PR 100% (+15%)
- Aguadilla, PR 90% (+20%)
- Vieques, PR 100% (+15%)
- St. Croix, USVI 95% (+15%)
- St. Thomas, USVI 100% (+5%)

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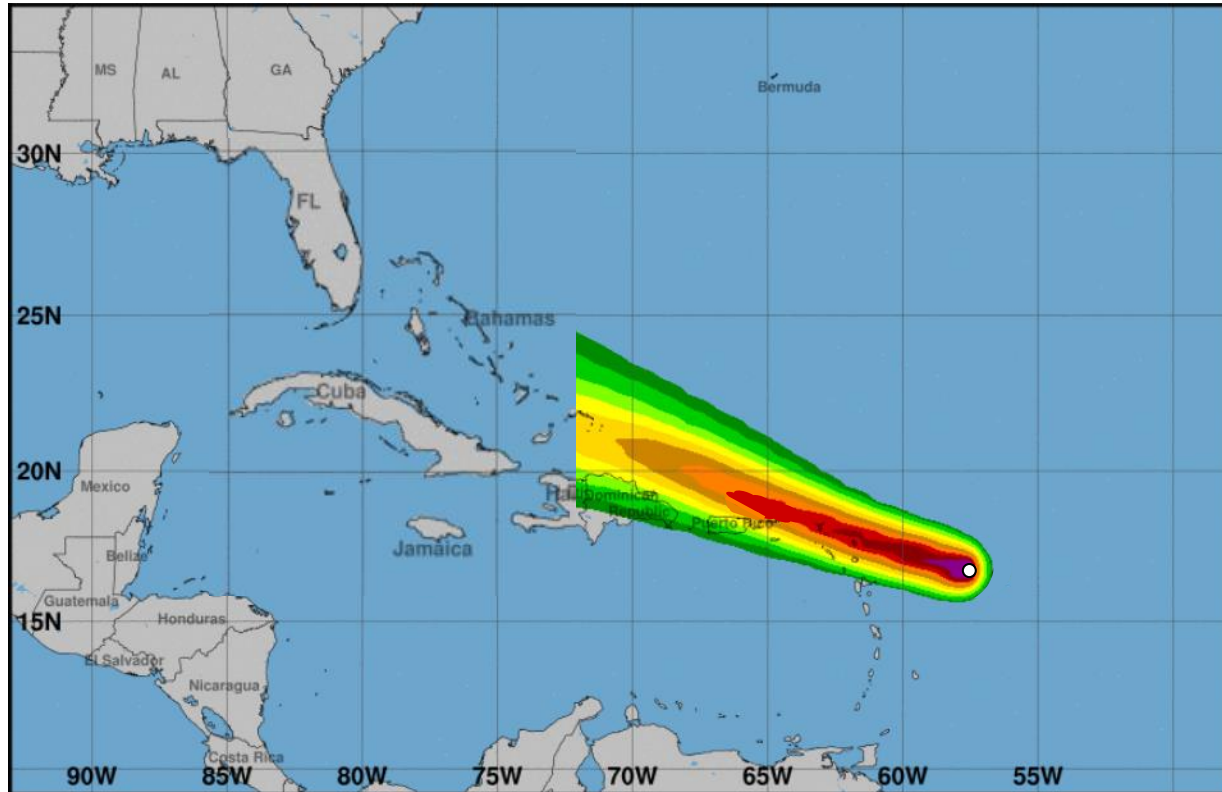
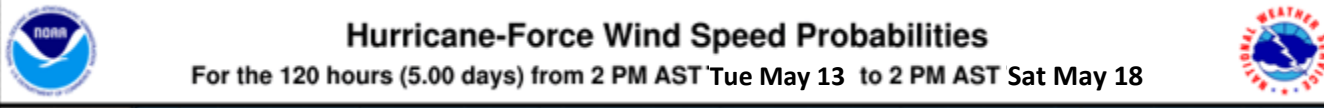
****EXERCISE****

Hurricane Wind Speed Probabilities**EXERCISE**

Hurricane Lisa



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Probability of hurricane-force winds (1-minute average ≥ 74 mph) from all tropical cyclones
○ indicates Hurricane Lisa center location at 2 PM AST Tue May 13 2025 (Forecast/Advisory #9)



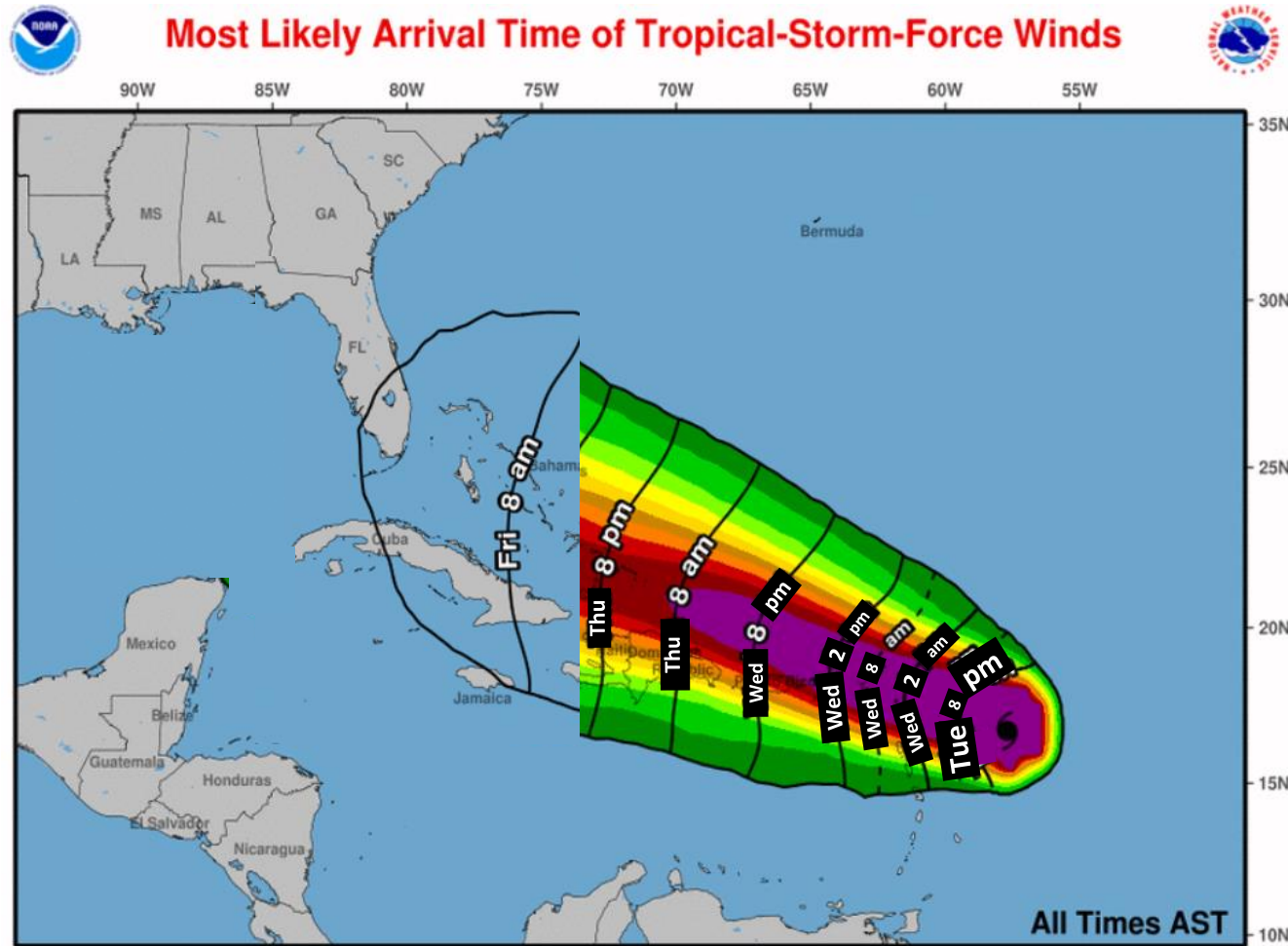
- Ponce, PR 20% ($\pm 0\%$)
- San Juan, PR 80% (+35%)
- Aguadilla, PR 45% (+15%)
- Vieques, PR 75% (+30%)
- St. Croix, USVI 45% (+15%)
- St. Thomas, USVI 85% (+25%)

Most Likely Time of Arrival and T.S. Wind Speed Probabilities ****EXERCISE****

Hurricane Lisa



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



Hurricane Lisa

Tue May 13 2025 5 pm AST

Advisory 9

Storm Location &
Wind Speed (knots)

○ <34 ○ 34-63 ● ≥64

Five-day chance of receiving sustained 34+ knot (39+ mph) winds



▪ Puerto Rico: **late Wednesday**

- 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.

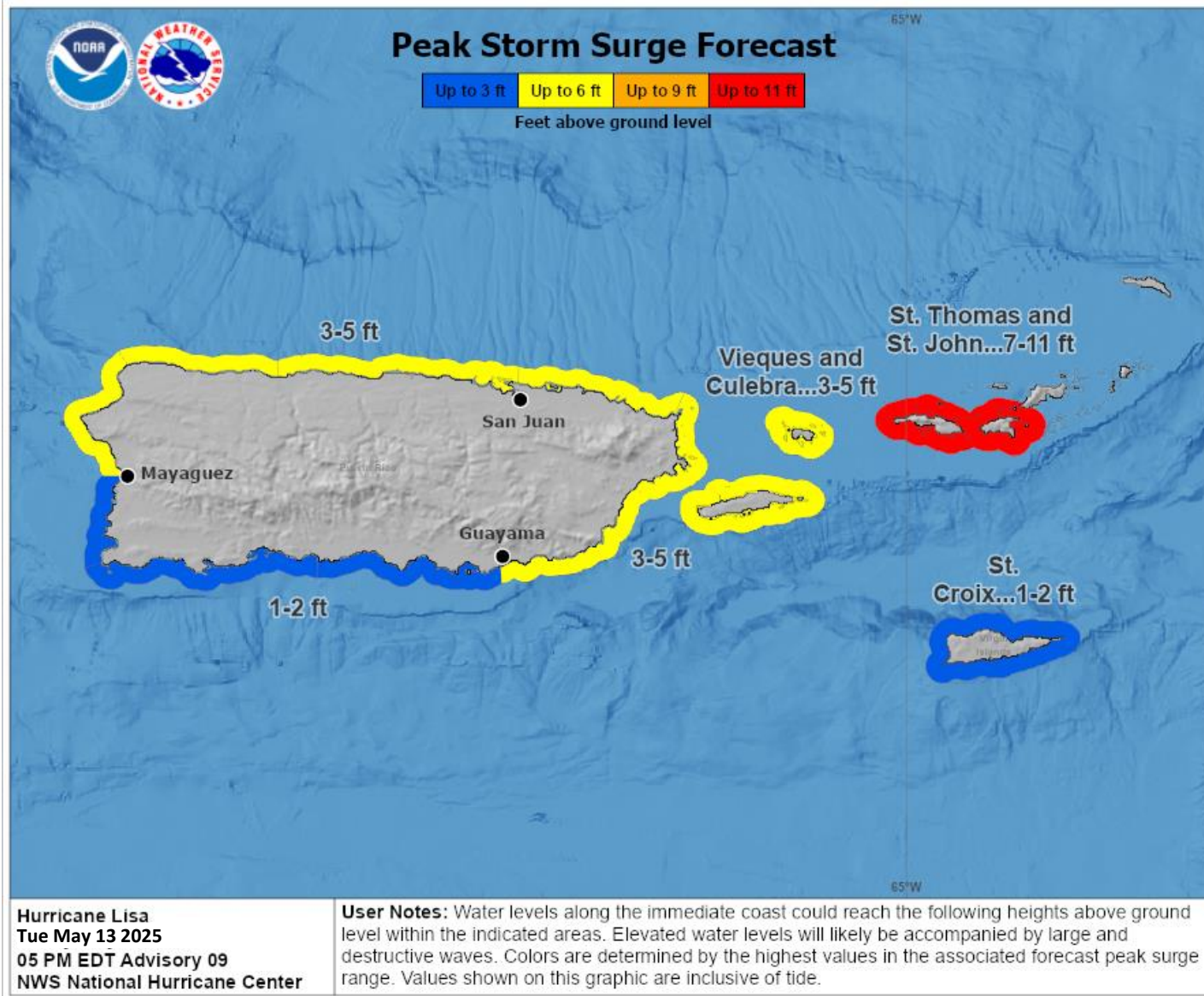
Storm Surge

****EXERCISE****



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Hurricane Lisa



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

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****EXERCISE****

Expected Storm Total Rainfall

Weather Prediction Center

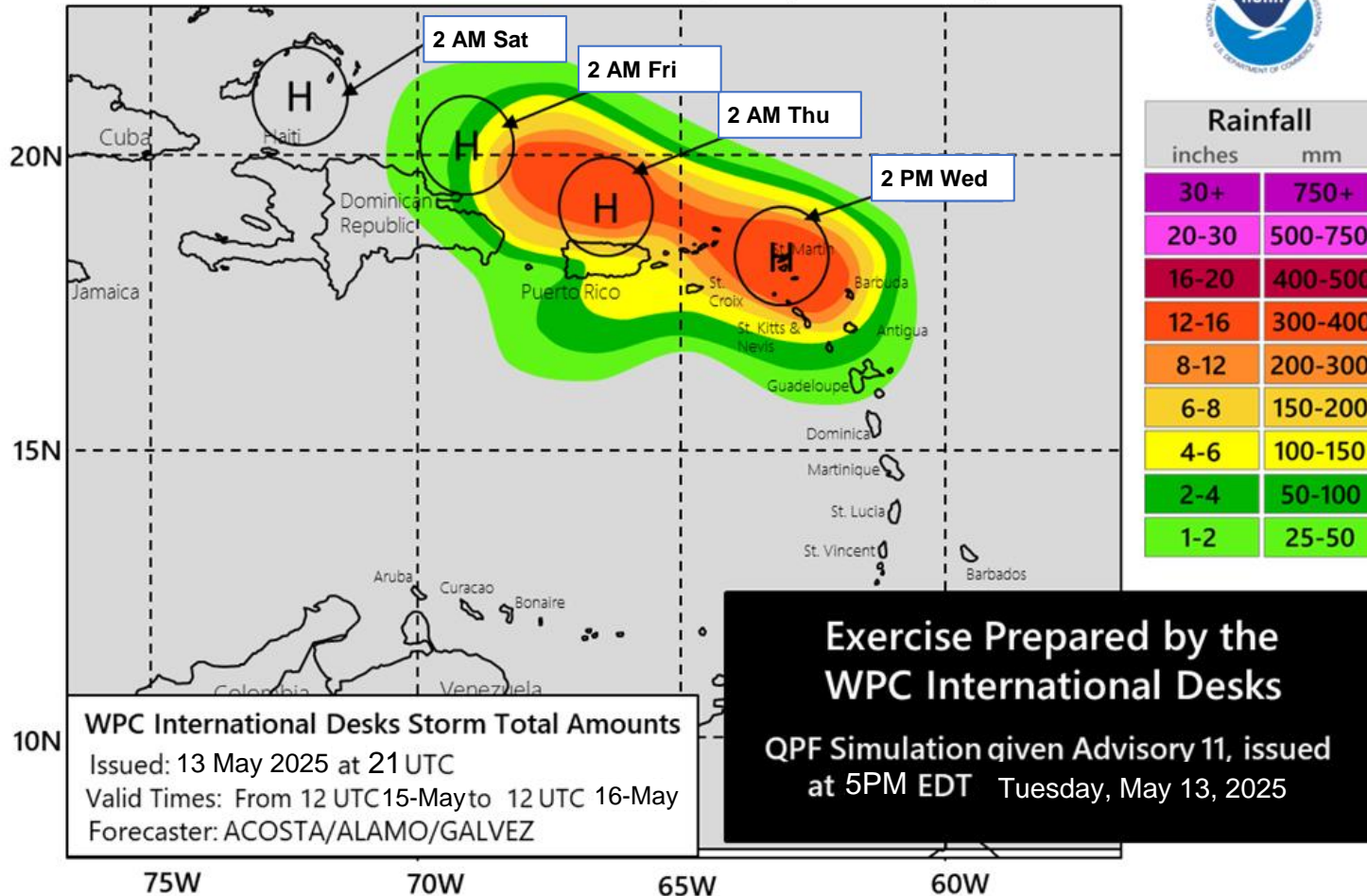
****EXERCISE****



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Hurricane Lisa

Hurricane Lisa 24-hr QPF (Exercise)



- Major To Extreme Flooding Rainfall is expected for Puerto Rico and the U.S. Virgin Islands
- Expecting 4-8" with locally higher amounts
- These rains are likely to lead to life-threatening flash flooding and mudslides, especially for northeastern and interior portions of Puerto Rico.

****EXERCISE****

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****EXERCISE****

Marine Key Messages

****EXERCISE****



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Hurricane Lisa

- Seas of **30-35 ft** are expected north of Puerto Rico Wed with dangerous breaking waves along the NE and N coasts of Puerto Rico.

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