

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
Fri July 14, 2023 – 5pm EDT**



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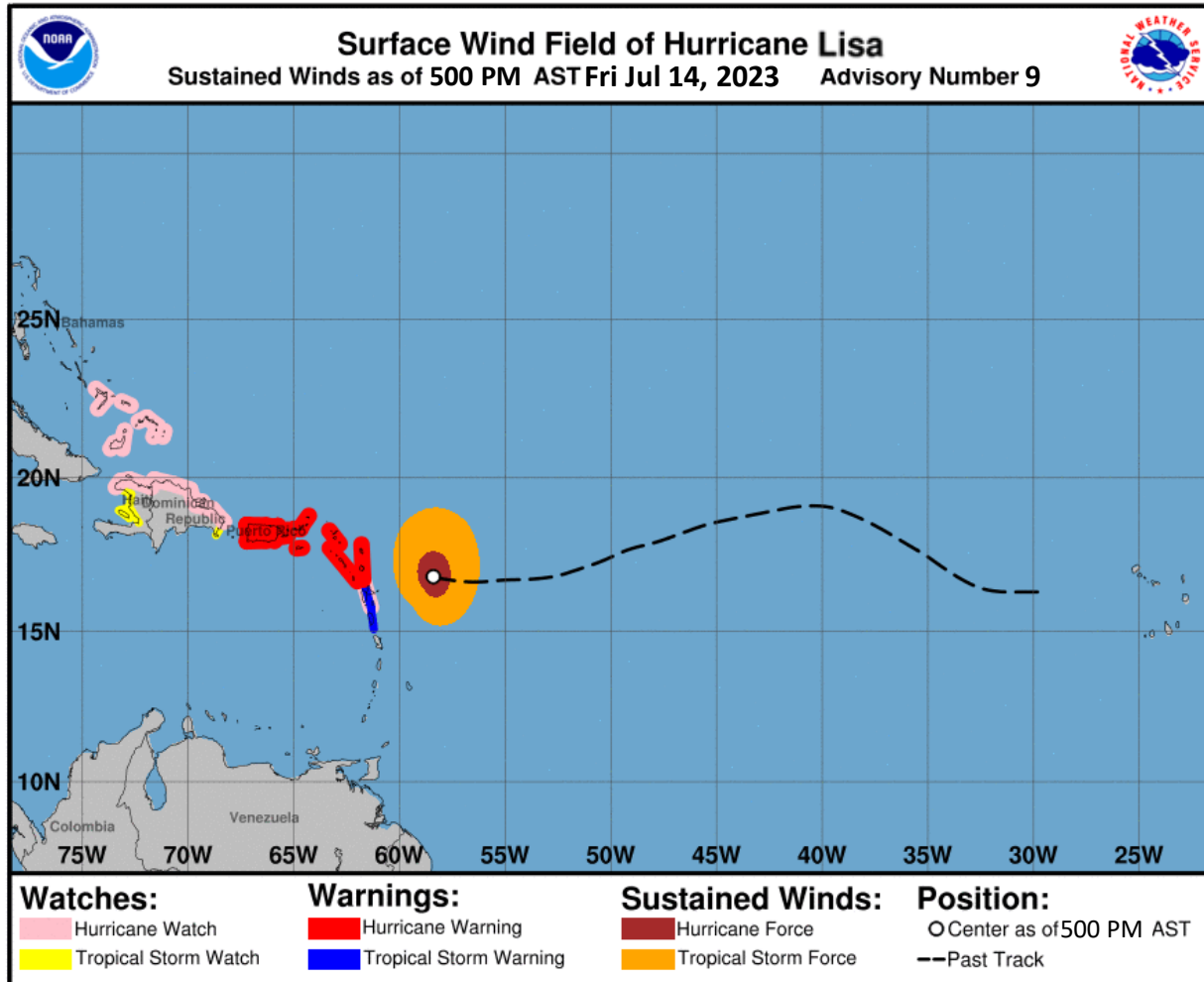
Situation Overview

****EXERCISE****



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Hurricane Lisa



...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... 115 kt
Present Movement... W at 10 kt

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

****EXERCISE****

****EXERCISE****

Forecast Information

Hurricane Lisa

****EXERCISE****



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NWS National Hurricane Center



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 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 Mon
- Although some gradual weakening is possible, Lisa is expected to remain a major hurricane until after it passes near Puerto Rico.
- It's still too early to determine what, if any, impacts may occur mid next week for portions of Florida or the SE US

- 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.

****EXERCISE****

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T.S. Wind Speed Probabilities

****EXERCISE****



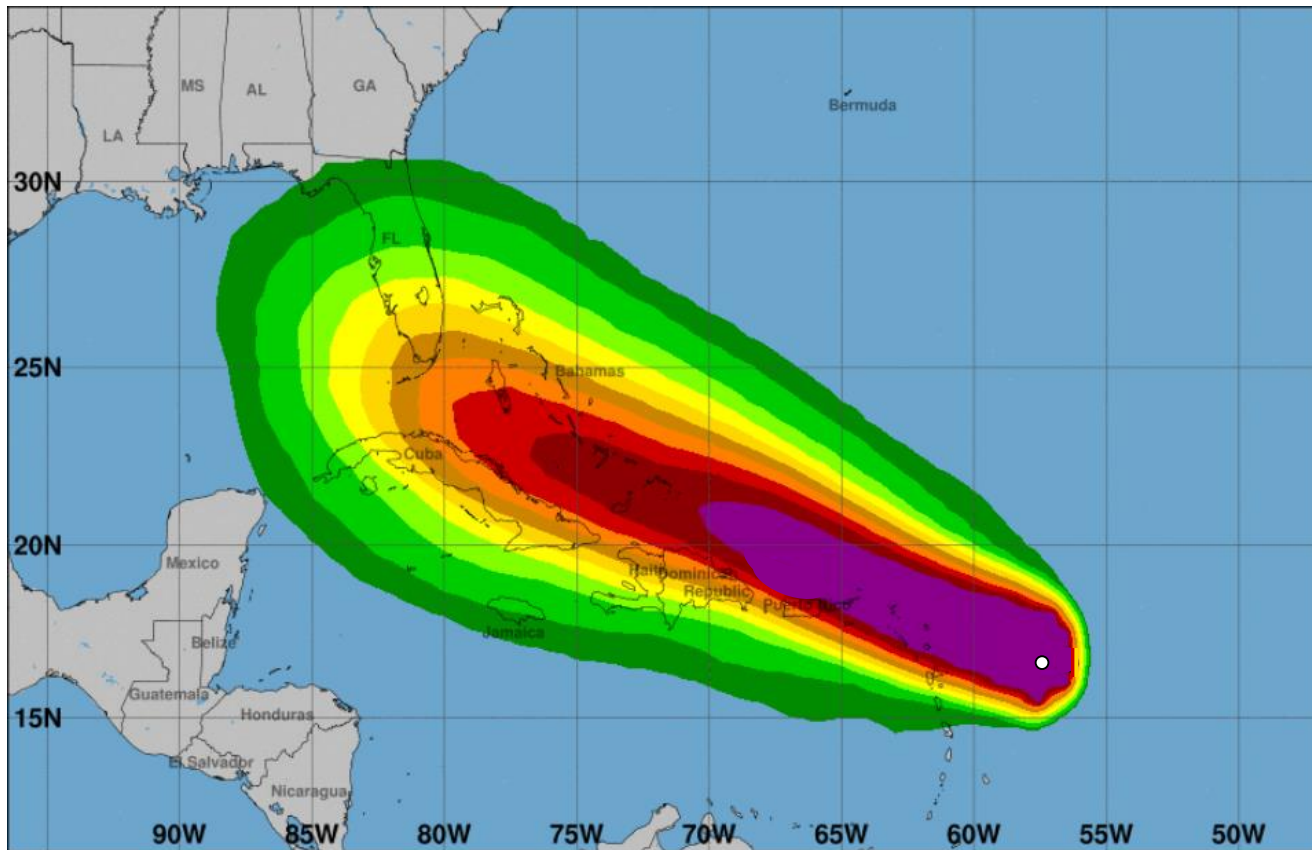
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Hurricane Lisa



Tropical-Storm-Force Wind Speed Probabilities

For the 120 hours (5.00 days) from 2 PM AST FRI JUL 14 to 2 PM AST WED JUL 19



Probability of tropical-storm-force winds (1-minute average ≥ 39 mph) from all tropical cyclones
O indicates Hurricane Lisa center location at 2 PM AST FRI JUL 14 2023 (Forecast/Advisory #9)



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

- Key West 50% ($\pm 0\%$)
- Miami 50% ($\pm 0\%$)
- Opa Locka 50% ($\pm 0\%$)
- Ft Lauderdale 50% (+5%)
- Tampa 30% (+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.

****EXERCISE****

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Hurricane Wind Speed Probabilities ****EXERCISE****



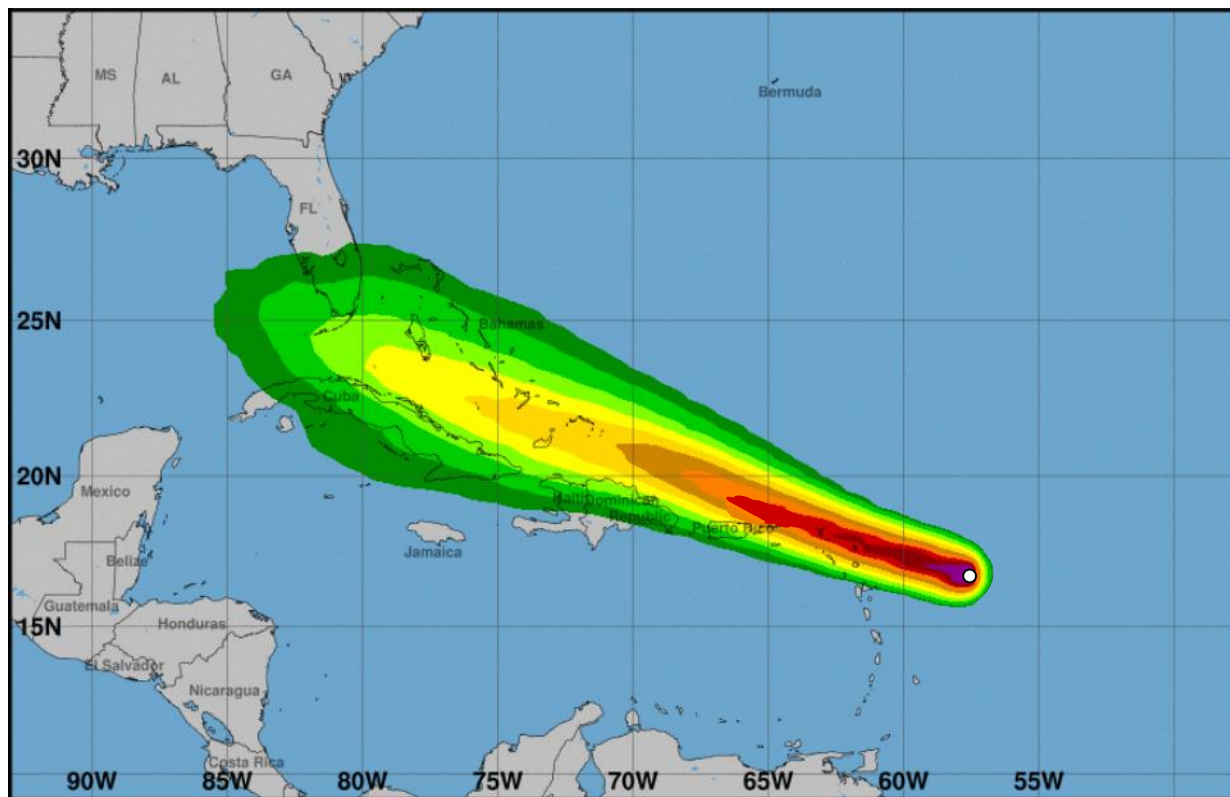
Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Hurricane Lisa



Hurricane-Force Wind Speed Probabilities

For the 120 hours (5.00 days) from 2 PM AST FRI JUL 14 to 2 PM AST WED JUL 19



Probability of hurricane-force winds (1-minute average ≥ 74 mph) from all tropical cyclones
○ indicates Hurricane Lisa center location at 2 PM AST FRI JUL 14 2023 (Forecast/Advisory #9)



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

- Key West 20% ($\pm 0\%$)
- Miami 15% ($\pm 0\%$)
- Opa Locka 10% ($\pm 0\%$)
- Ft Lauderdale 10% (+5%)
- Tampa 5% (+5%)

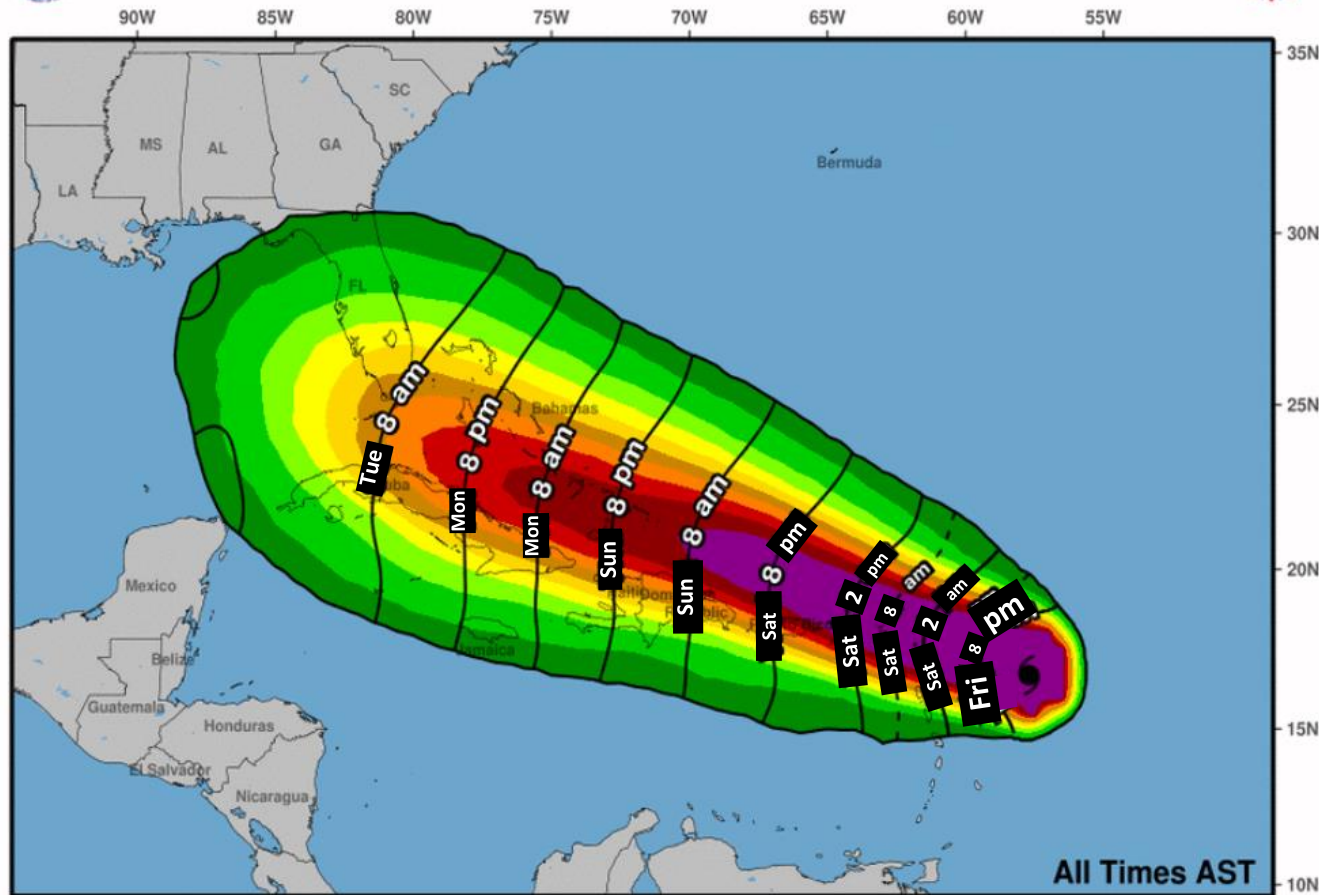
- Probabilities of sustained hurricane force winds (64 kt +) over the next 5 days, based off this cyclone's wind radii and track.



Hurricane Lisa



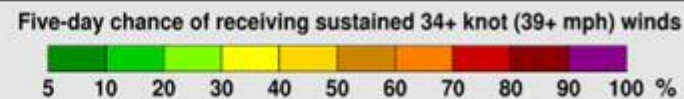
Most Likely Arrival Time of Tropical-Storm-Force Winds



- Puerto Rico: **Sat afternoon**
- South FL and the FL Keys: **Tuesday**
- 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.

Hurricane Lisa
FRI JUL 14 205 pm 5 am AST
Advisory 9

Storm Location &
Wind Speed (knots)
○ <34 ○ 34-63 ● ≥64



Expected Storm Total Rainfall

Weather Prediction Center

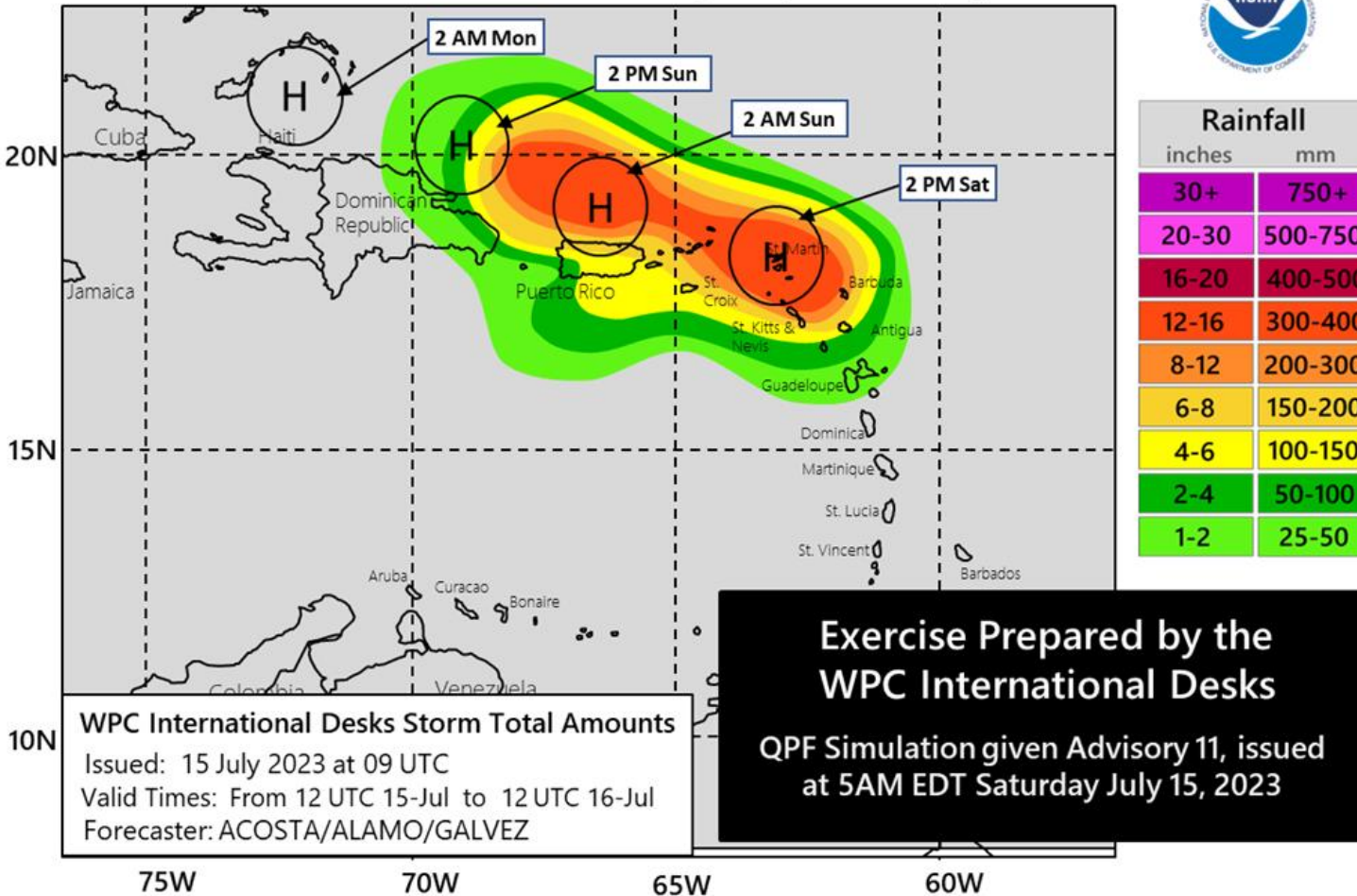
****EXERCISE****



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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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Hurricane Lisa

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

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