

IMPACTS FOR D7 (through next 5 days)

Winds – High

Storm Surge – High

Rainfall/Flash Flooding – High

Tornadoes – Medium

Waves - High

Hurricane Lisa BRIEFING

Mon July 17, 2023 – 9am EDT



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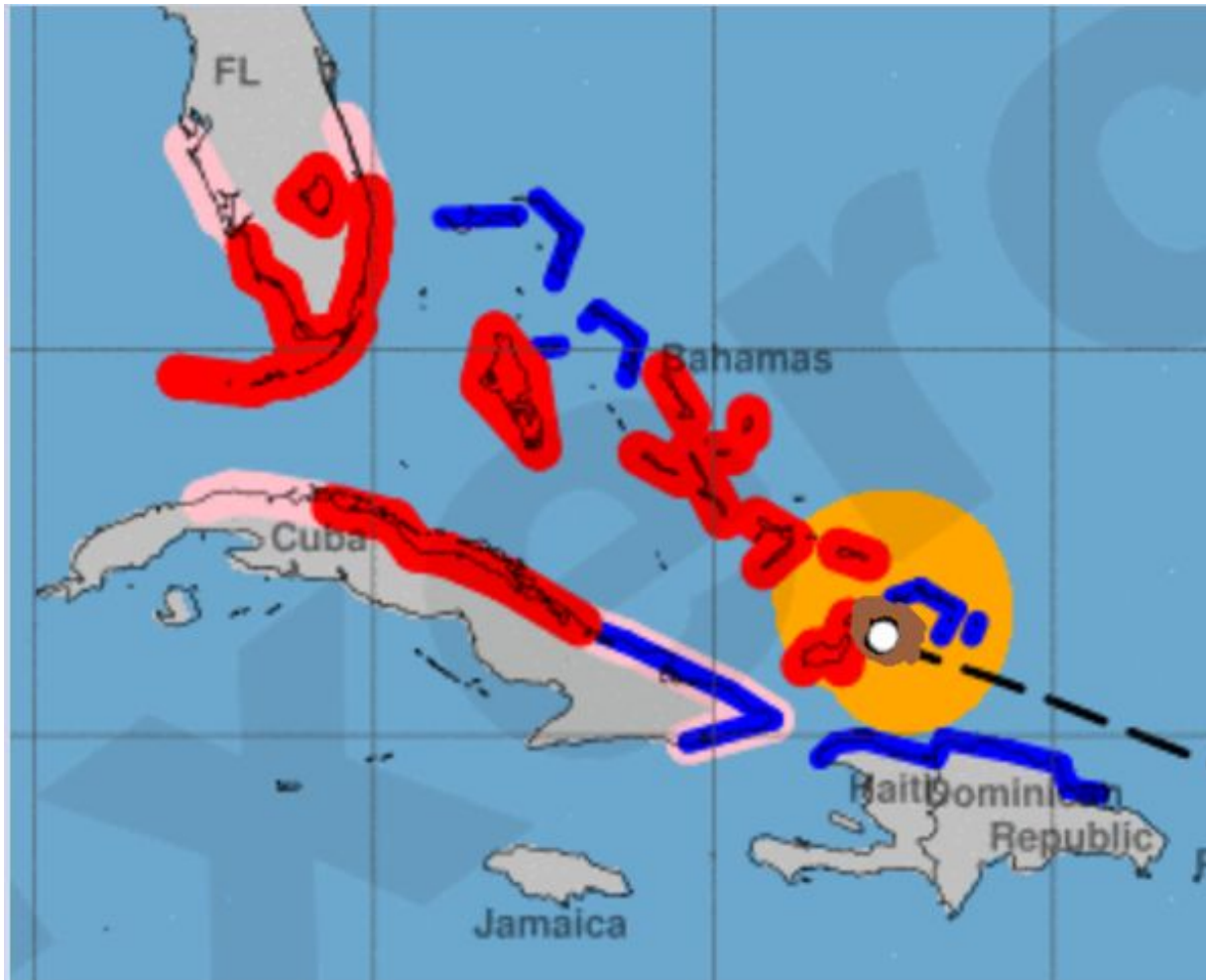
Situation Overview

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Hurricane Lisa



**...Lisa Over the Southeast Bahamas...
...Hurricane Warnings Issued for Florida
Keys and South Florida...**

Summary of 500 AM EDT Information

Location... 21.3N 72.5W

About 500 nm...ESE of Miami, FL

Maximum Sustained Winds...80 kt

Present Movement...WNW at 12 kt

Size

34 kt...140 NE 120 SE 100 SW 130 NW

Seas to 25 ft

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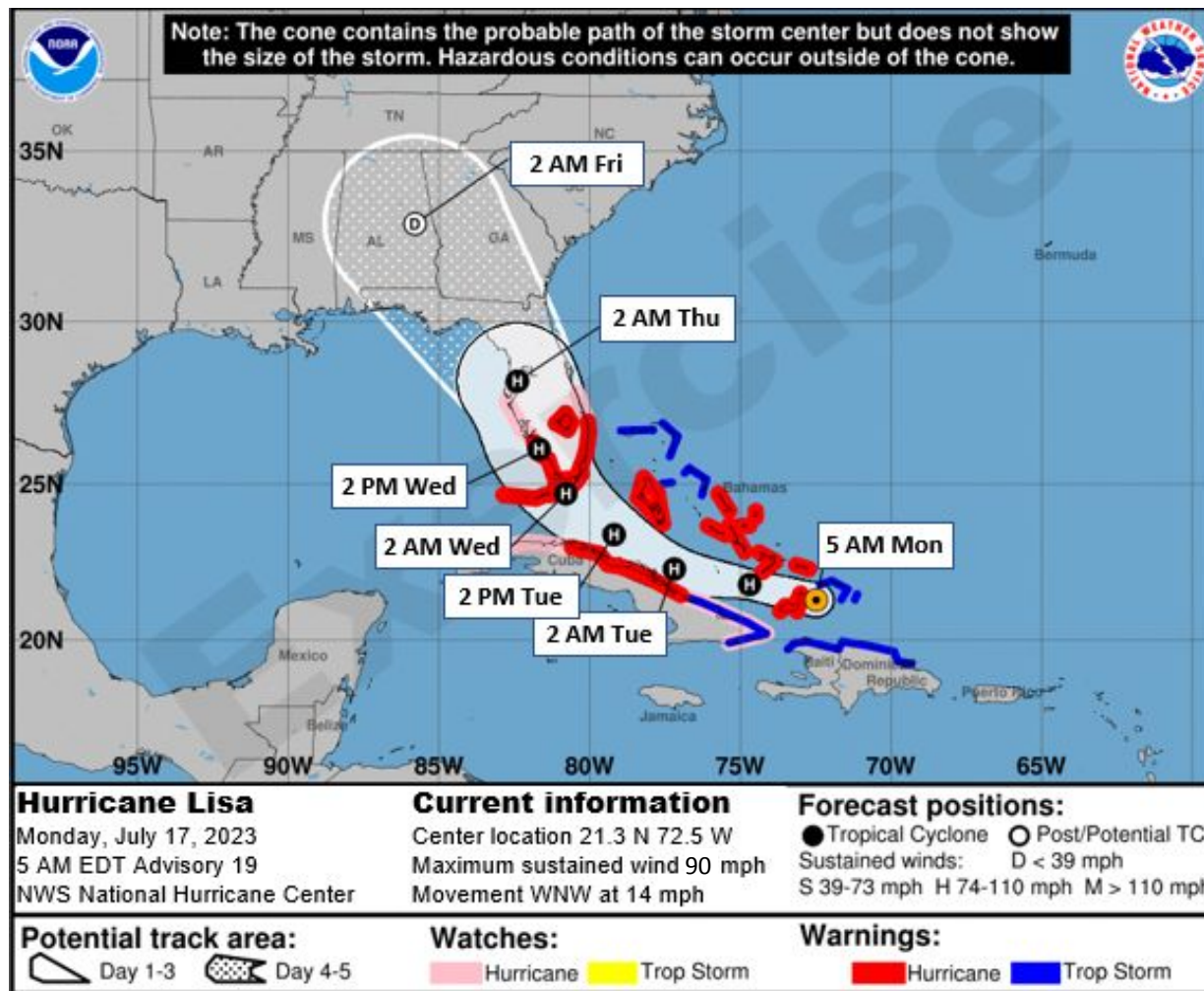
Forecast Information

Hurricane Lisa

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- **Lisa will move over the Old Bahama Channel tonight, and approach the Florida Keys and South Florida Tuesday night**
- **Hurricane Warnings and Storm Surge Warnings have been issued for the Florida Keys and portions of South Florida.**
- **Lisa is forecast to remain a hurricane through Wednesday night.**

- 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.

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T.S. Wind Speed Probabilities

****EXERCISE****

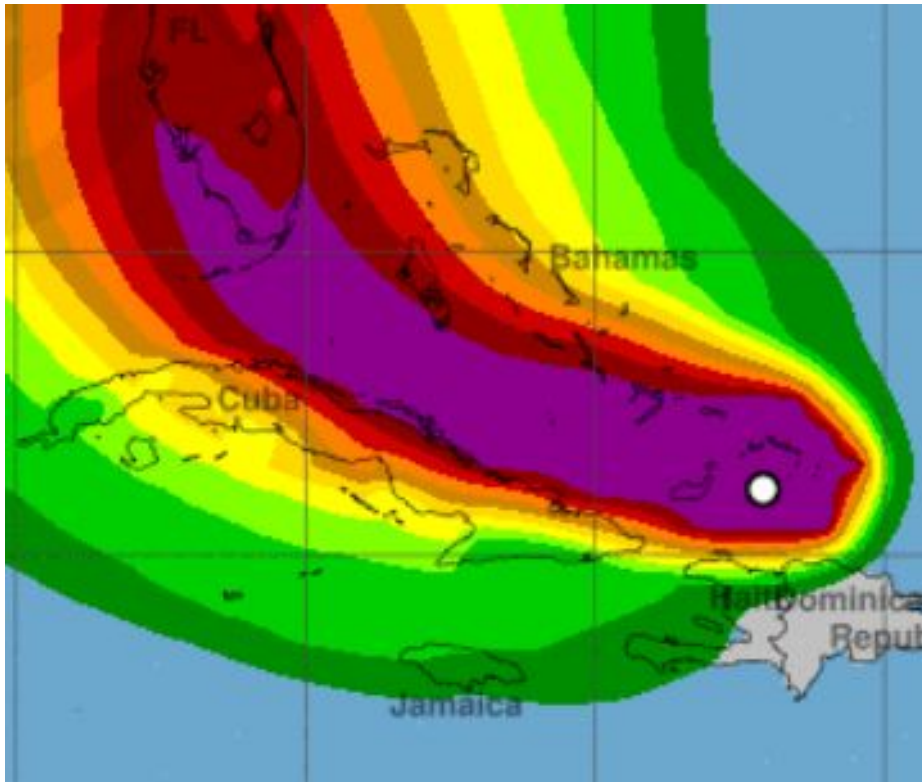


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Hurricane Lisa



Tropical-Storm-Force Wind Speed Probabilities
For the 96 hours (4.00 days) from 2 AM AST MON JUL 17 to 2 AM AST FRI JUL 21



Probability of tropical-storm-force winds (1-minute average ≥ 39 mph) from all tropical cyclones
O indicates Hurricane Lisa center location at 2 AM AST MON JUL 17 2023 (Forecast/Advisory #19)



- Tampa 85% (+40%)
 - Key West 85% (+30%)
 - Miami 90% (+30%)
 - Opa Locka 90% (+35%)
 - Ft Lauderdale 85% (+30%)
-
- 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.

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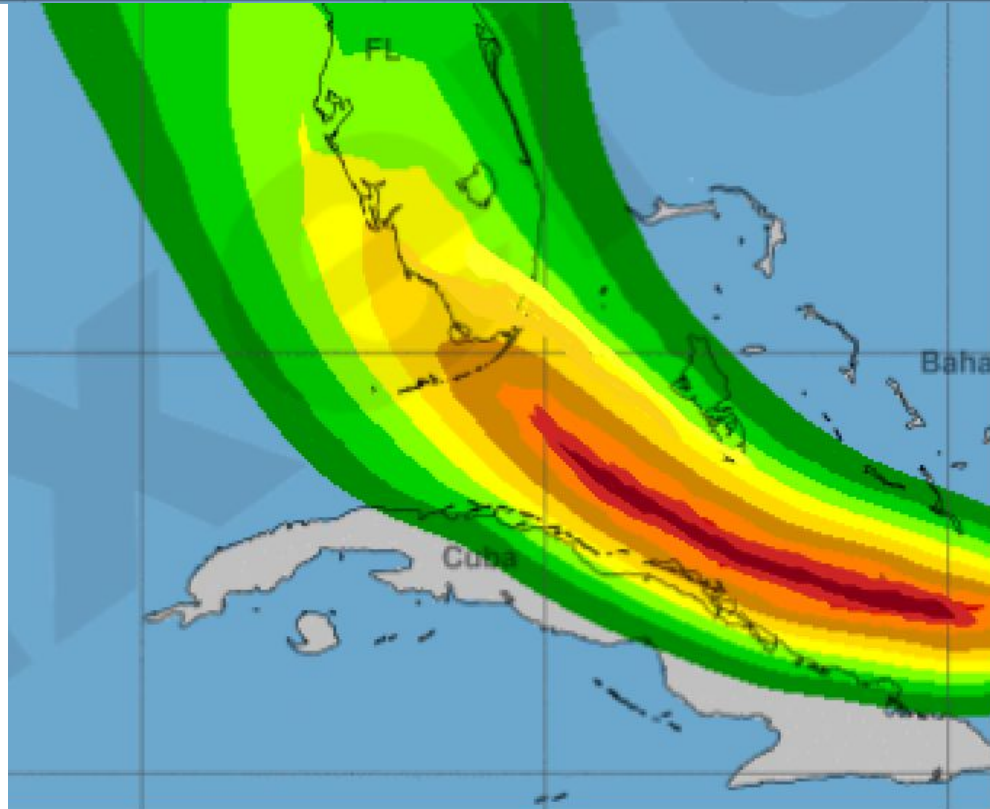
Hurricane Wind Speed Probabilities

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NWS National Hurricane Center

Hurricane Lisa



Probability of hurricane-force winds (1-minute average ≥ 74 mph) from all tropical cyclones
○ indicates Hurricane Lisa center location at 2 AM AST MON JUL 17 2023 Forecast/Advisory #19



- Key West 30% (+10%)
- Miami 40% (+15%)
- Opa Locka: 35% (+10%)
- Ft Lauderdale 30% (+10%)
- Tampa 25% (+15%)

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

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****EXERCISE****

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

****EXERCISE****

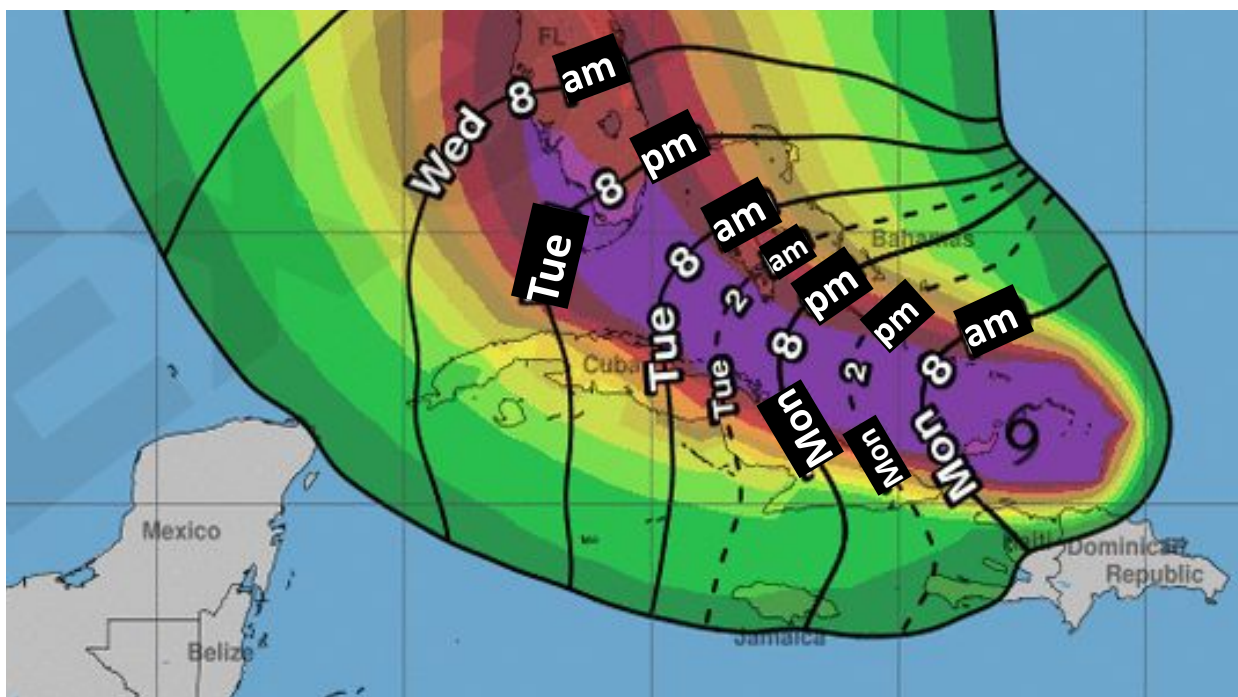


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Hurricane Lisa



Most Likely Arrival Time of Tropical-Storm-Force Winds



- South FL and the FL Keys: **Late Tuesday**
- Tampa Bay area: **Early Wed**
- 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	Storm Location & Wind Speed (knots)	Five-day chance of receiving sustained 34+ knot (39+ mph) winds
MON JUL 17 2023 5 am AST	○ <34 ○ 34-63 ● ≥64	5 10 20 30 40 50 60 70 80 90 100 %
Advisory 19		

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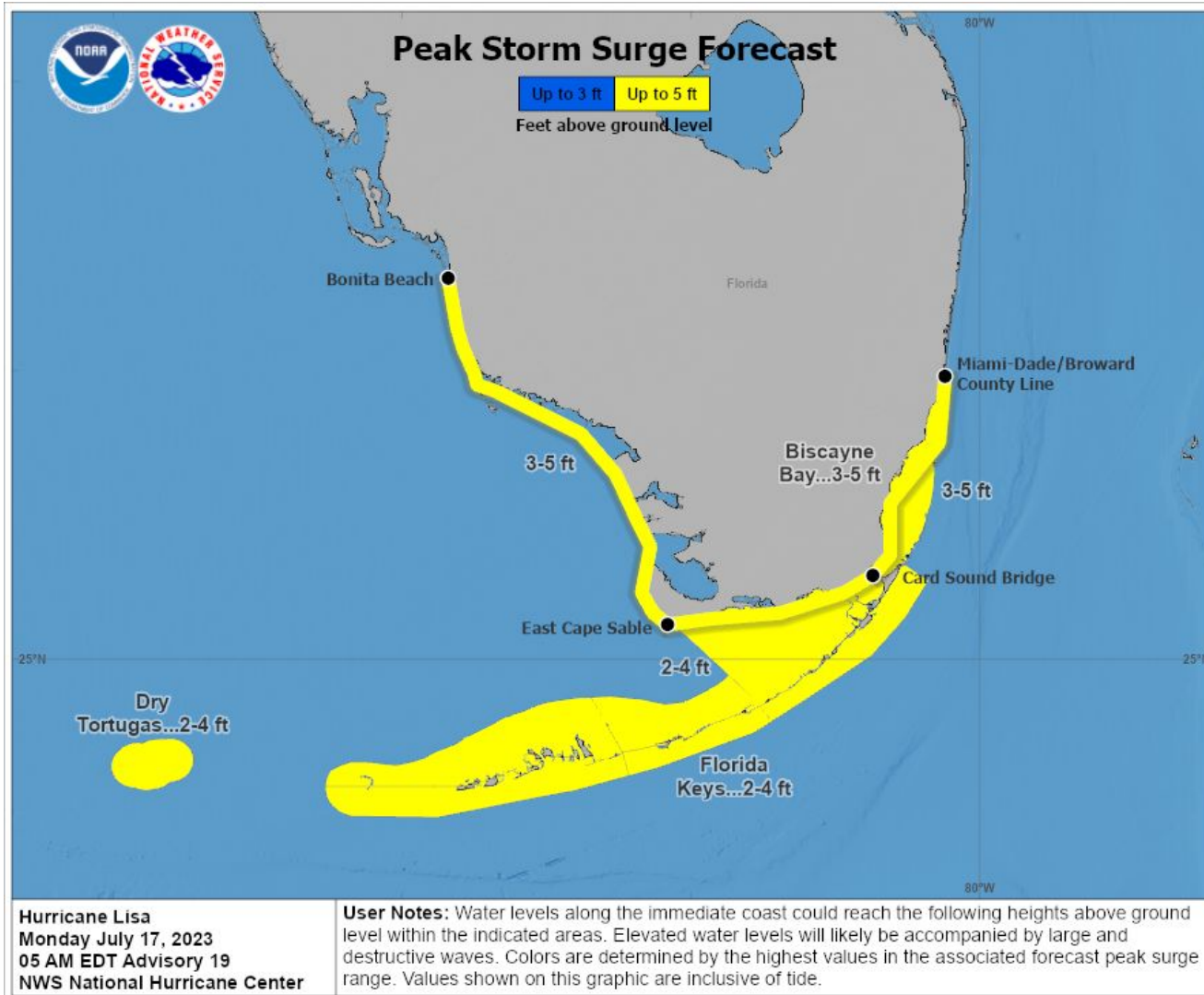
Storm Surge

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Hurricane Lisa

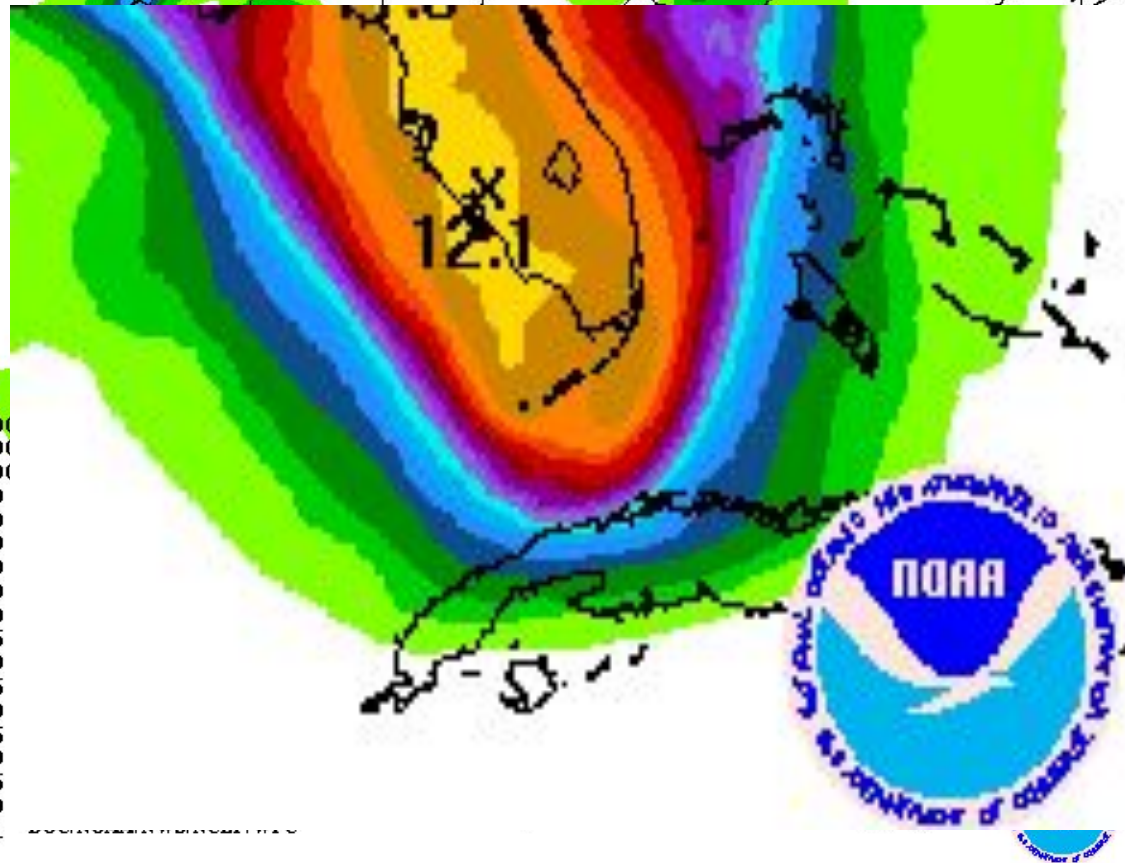


- A storm surge of 3-5 ft above ground level is forecast along coastal areas of South Florida, with 2-4 ft for portions of the Florida Keys

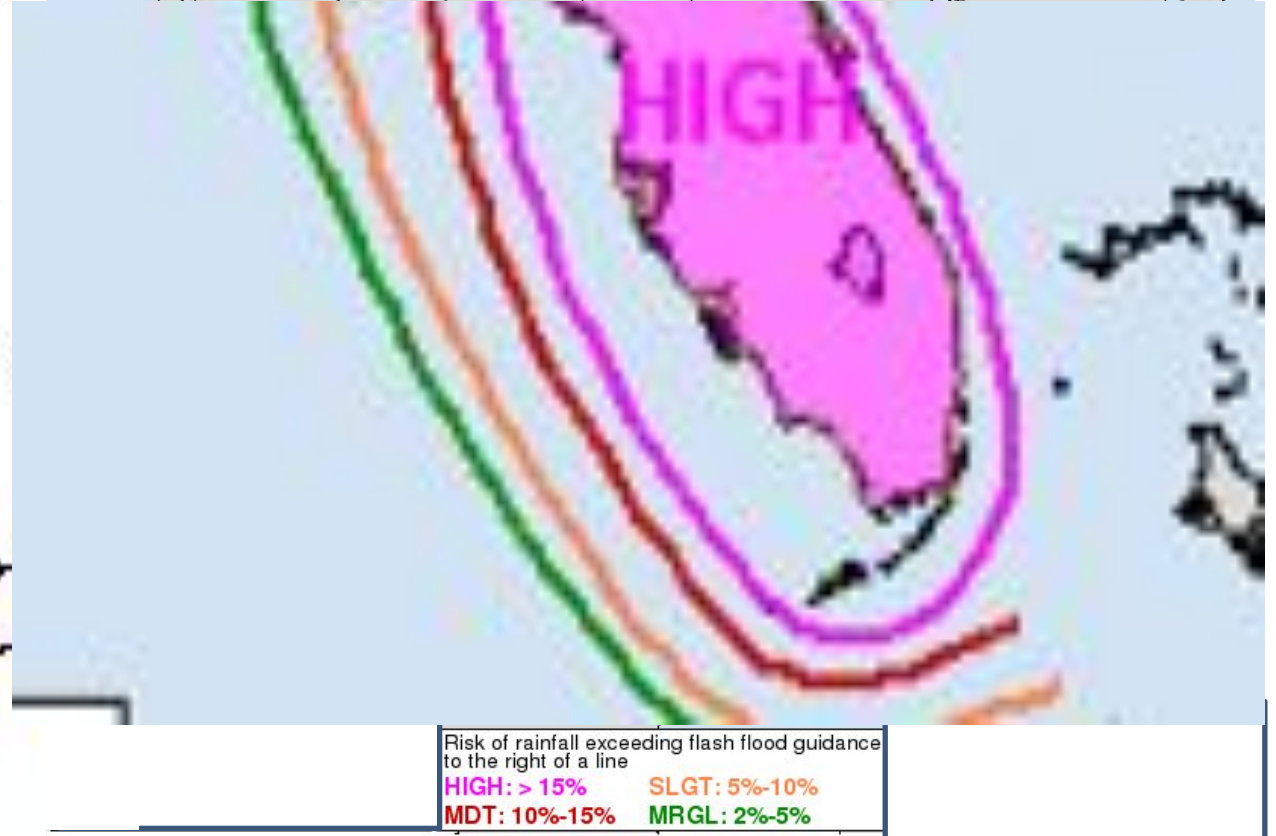
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- Total rainfall in inches over the next 3 days
- Rainfall amounts 6-12" with localized amounts of 20" possible



Risk of rainfall exceeding flash flood guidance
within 25 miles of a point

HIGH: > 50% **SLGT: 10%-20%**
MDT: 20%-50% **MRGL: 5%-10%**

Tornado Potential - Storm Prediction Center ****EXERCISE****

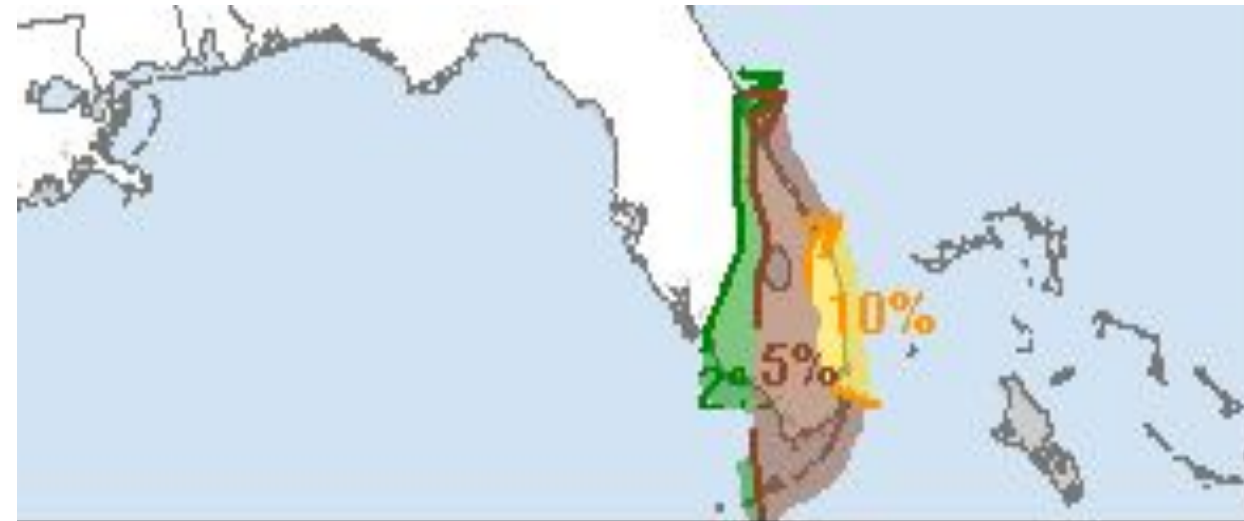
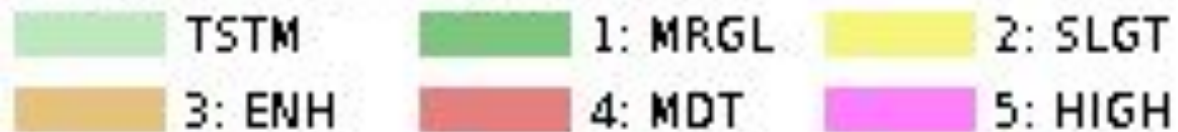
Hurricane Lisa



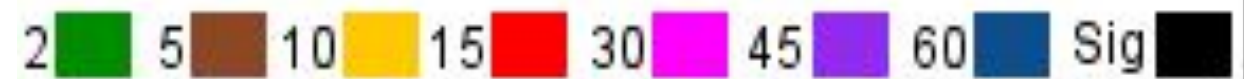
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Categorical Outlook Legend:



Tornado Probability Legend (in %):



Day 2
(Tuesday through Tuesday night)

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Marine Key Messages

****EXERCISE****



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- Large waves and hazardous surf could arrive along the Florida coast as early as tonight
- Seas could potentially range **25-30 ft** seas near South Florida if the track holds

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