



HURRICANE IAN BRIEFING

6:00 PM ET

Monday, September 26, 2022



Situation Overview

Hurricane IAN

- A Tropical Storm Warning is in effect for the Lower Florida Keys, from the west end of the Seven Mile Bridge through Key West, and west through the Dry Tortugas. A Tropical Storm Watch is in effect for the Middle Florida Keys from the Seven Mile Bridge east to the Channel 5 Bridge.
 - Tropical storm force winds may begin as early as Tuesday morning.
 - Severe rain squalls with damaging wind gusts are expected especially in the Lower Florida Keys, and possible for the Middle Florida Keys.
- A Storm Surge Watch remains in effect for all of the Florida Keys from Key West to Ocean Reef.
 - There is the potential for storm surge flooding 1 to 3 feet above normal high tides.
 - Note that the highest storm surge is likely to occur well AFTER the center of Hurricane Ian passes west of the Florida Keys Tuesday night over the Gulf and Bayside of the Florida Keys. The Bayside of the Upper Keys possibly could have coastal flooding persisting through Friday.
- A Hurricane Warning is in effect for the Dry Tortugas only.
- Hurricane Ian is expected to intensify rapidly for the next day or so, and forecast to become a major hurricane tonight when it is near western Cuba, and well before passing west of the Florida Keys late Tuesday.
- Other potential weather hazards include:
 - Locally flooding rainfall of 4 to 6 inches with isolated maximum amounts near 8 inches, falling mainly from later today through Thursday morning.
 - The threat of a few tornadoes in rain squalls, mainly from late tonight through at least Wednesday
- Preparedness actions should be completed by late this evening.



Situation Overview

Hurricane IAN



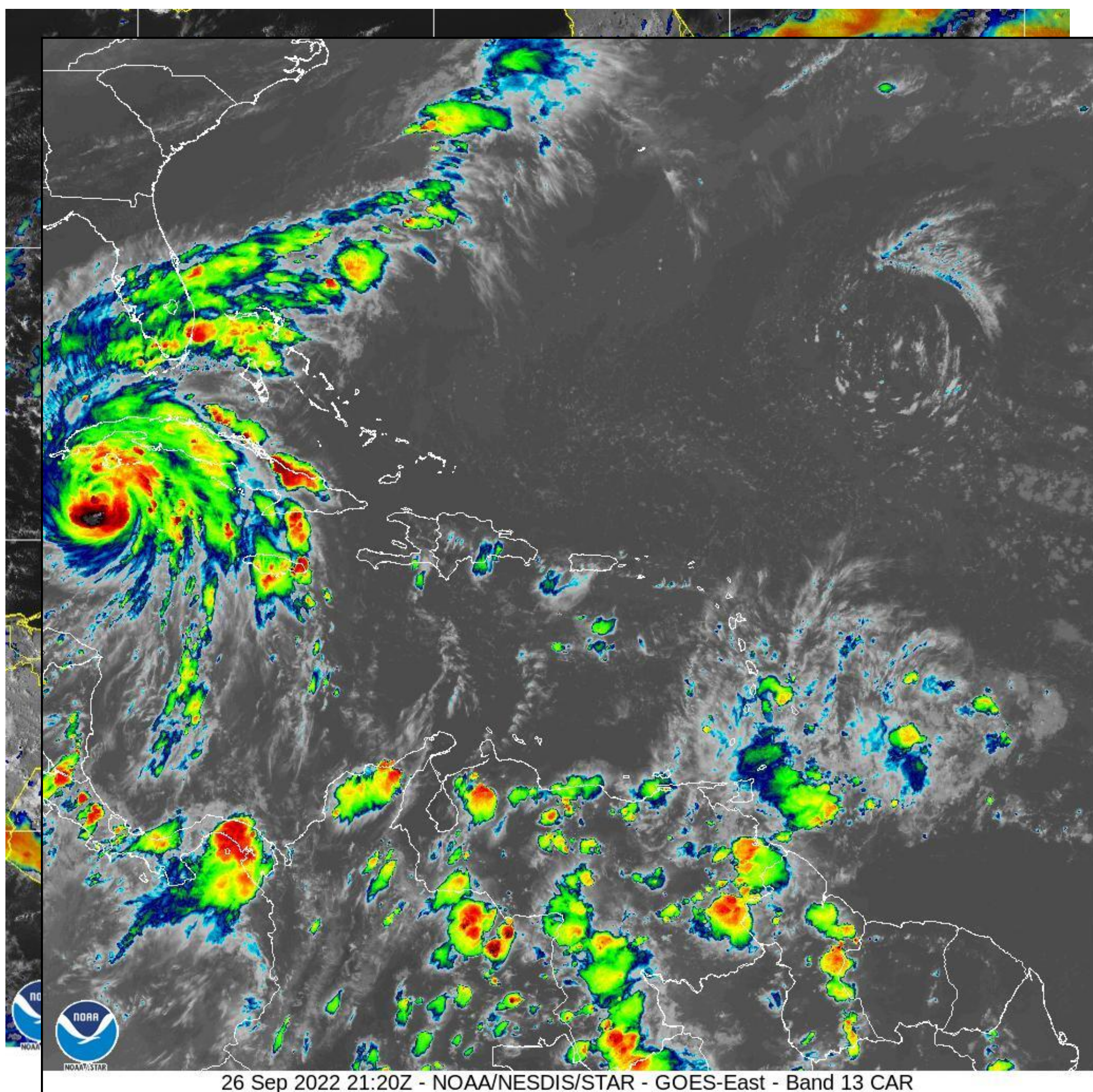
- Hurricane Ian is forecast to turn toward the north with a slight slower forward speed on Tuesday. The center of Ian is expected to pass near or over western Cuba tonight and early Tuesday. Ian will pass west of the Florida Keys late Tuesday.
- Rapid strengthening is expected during the next day or so, with Ian forecast to become a major hurricane tonight or early Tuesday when it is near western Cuba. Ian will remain a major hurricane over the southeastern Gulf of Mexico on Wednesday.
- Remember that the cone represents a 2/3 chance that the **CENTER** of the forecast hurricane tracks within the cone, and naturally becomes narrower in time as the tropical cyclone event becomes closer in time. It **DOES NOT** represent the area of any damaging weather hazards or impacts!

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



Current Satellite View

Hurricane IAN



As of 5 pm ET, the center of Category 2 Hurricane Ian was located about 155 miles southeast of the western tip of Cuba. This position is also about:

- 375 miles SSW of Key Largo
- 330 miles SSW of Marathon
- 305 miles SSW of Key West

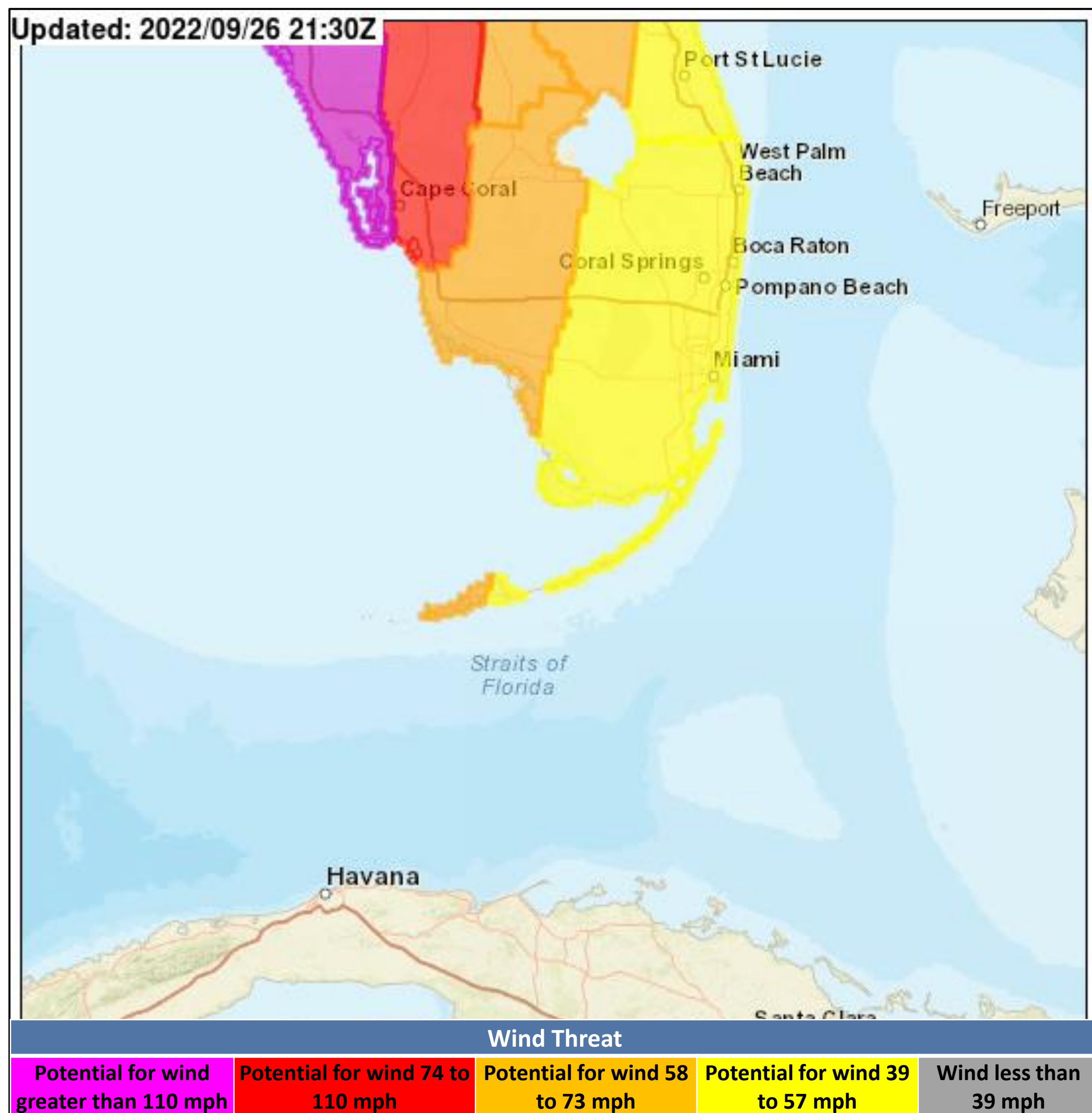
Moving toward the north northwest at 13 mph

Maximum sustained winds near 100 mph



Wind Threat / Potential Impact

Hurricane IAN



For much of the Lower Florida Keys including Key West, prepare for the potential of significant wind impacts from strong tropical storm force wind gusts, especially from severe rain squalls. The most likely time frame for such impacts is from Tuesday afternoon through Wednesday.

Potential damage may include:

- Damage to porches, awnings, carports, sheds, and unanchored mobile homes.
- Power and communication utility outages affecting neighborhoods or an island or two may result.
- Several large tree limbs broken off. A few trees may be snapped or uprooted. Some fences and roadway signs blown over.
- Loose outdoor objects on decks, patios and yards may be blown about.

For the remainder of the Florida Keys, limited impacts from winds near or just below tropical storm force are possible. However, gusts to tropical storm force in strong rain squalls may produce local power and communications outages affecting several neighborhoods, with loose objects from decks, patio and yards blown about.



Hurricane IAN



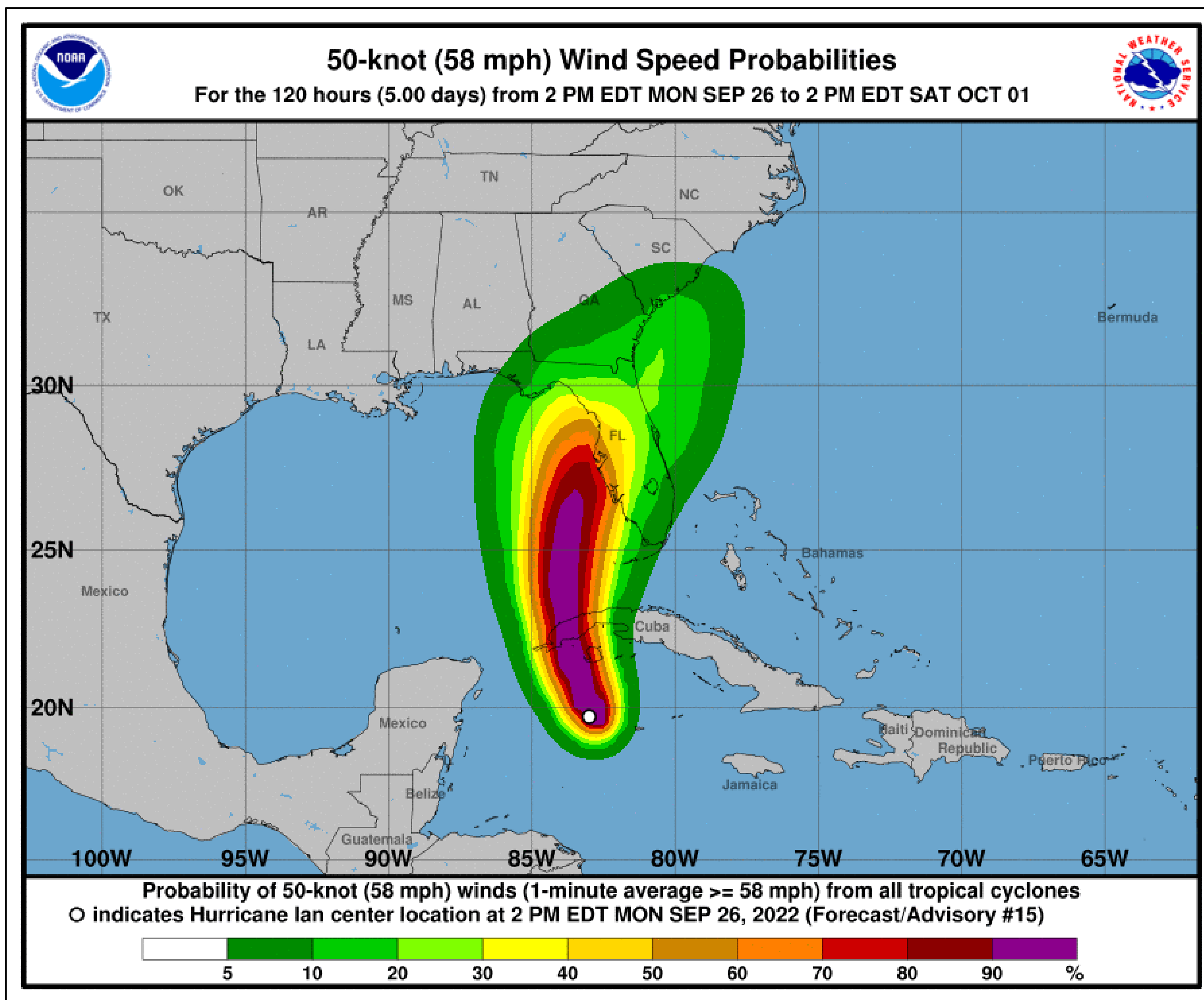
Community ³	Chance of Sustained Tropical Storm Force Wind (34+ knots / 39+ mph)
Key West	73
Marathon/Key Colony Beach	51
Layton	45
Islamorada	42
Key Largo	36
Ocean Reef	33

- Sustained tropical storm force winds are likely in the lower Keys and Key West, with even chances at Marathon, and around 1-in-3 at Key Largo & Ocean Reef.
- Chances for sustained 50-knot winds are were about 1-in-7 at Key West, 1-in-20 at Marathon and Layton, and less than 5% from Islamorada through Ocean Reef.



50kt (58mph) Wind Speed Probabilities

Hurricane IAN



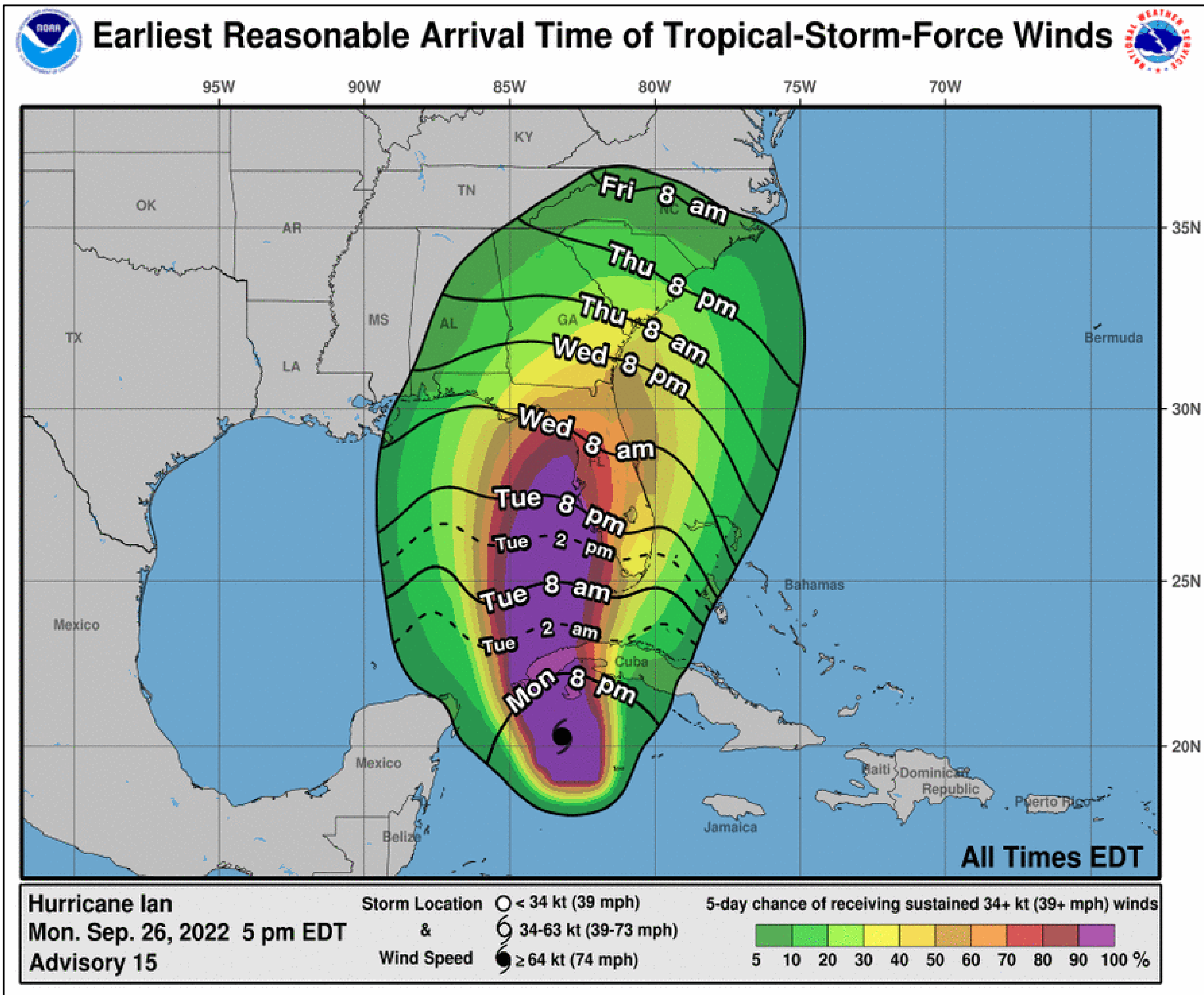
Community	Chance of Sustained 50-knot (Destructive Force) Wind (50+ knots / 58+ mph)
Key West	15
Marathon/Key Colony Beach	6
Layton	5
Islamorada	4
Key Largo	3
Ocean Reef	3

- Sustained tropical storm force winds are likely in the lower Keys and Key West, with even chances at Marathon, and around 1-in-3 at Key Largo & Ocean Reef.
- Chances for sustained 50-knot winds are were about 1-in-7 at Key West, 1-in-20 at Marathon and Layton, and less than 5% from Islamorada through Ocean Reef.



Earliest Reasonable Time of Arrival

Hurricane IAN



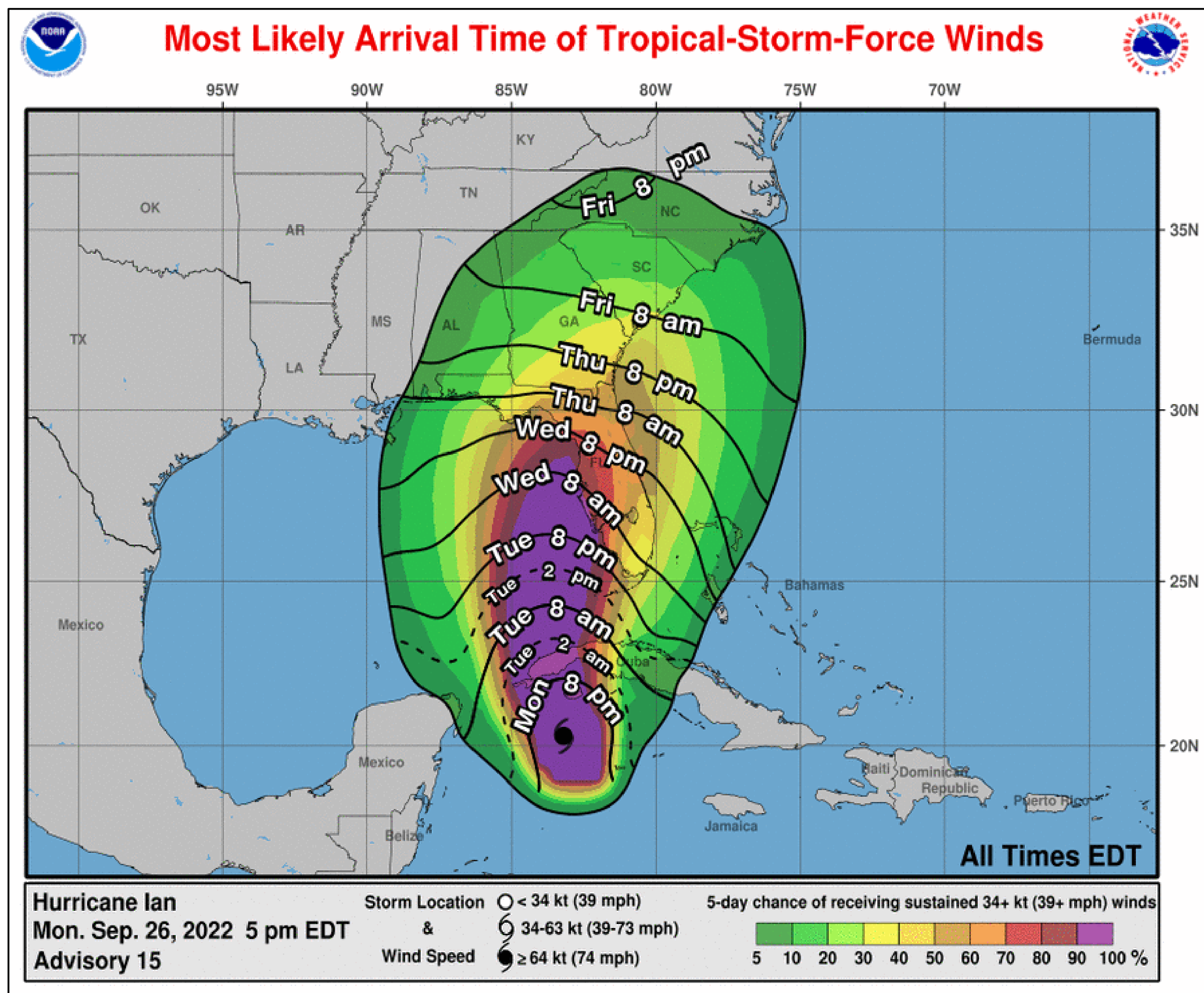
In the Florida Keys

- The earliest reasonable time of arrival of Tropical Storm Force winds would be Tuesday morning.
- However, the most likely time of arrival of Tropical Storm Force winds would be Tuesday afternoon.
- Remember – the most-likely arrival time may fluctuate earlier and later with every new advisory. Have your preparations complete by late Monday evening.



Most Likely Time of Arrival

Hurricane IAN



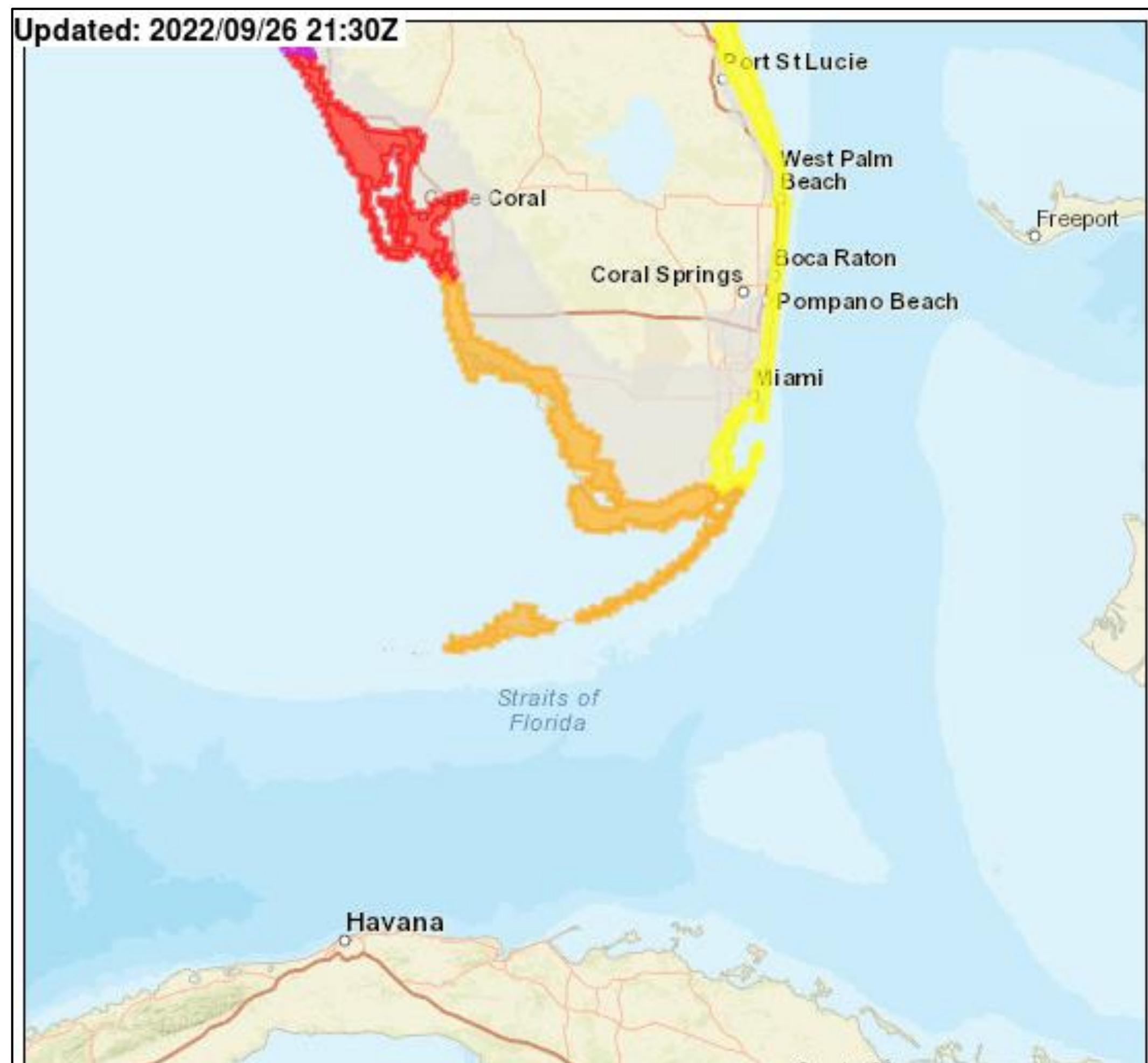
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Potential Storm Surge Impacts

Hurricane IAN



Storm Surge Threat

Potential for storm surge flooding greater than 9 ft above ground

Potential for storm surge flooding greater than 6 ft above ground

Potential for storm surge flooding greater than 3 ft above ground

Potential for storm surge flooding greater than 1 ft above ground

Little to no storm surge flooding

Storm Surge Watch remains in effect for all of the Florida Keys.

Prepare for the potential for significant storm surge impacts from storm surge 1 to 3 feet above normal high tides. This equates to 2 to 4 feet above ground level right at the immediate coast. The highest storm surge will occur **after** Ian has passed the Florida Keys.

Timing:

- Gulfside/Bayside of the Lower and Middle Keys – Wednesday
- Bayside of the Upper Keys – Thursday through Friday

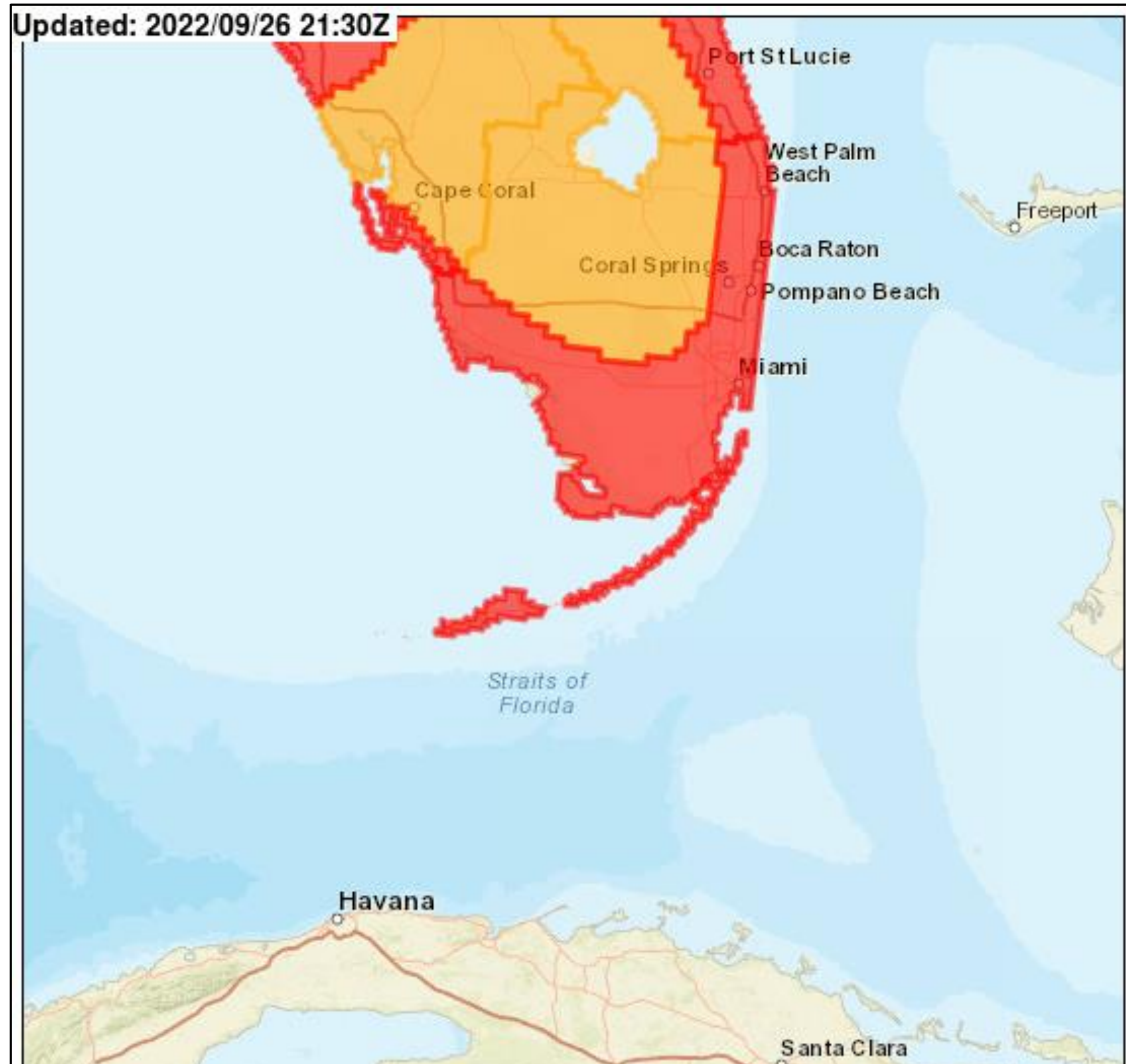
Potential impacts include:

- Flooding compounded by wave action, including damage to unelevated (ground slab) homes and businesses. Low-lying coastal streets and roads may be impassable for a few blocks in from shore.
- Major beach erosion.
- Damage to marinas, docks, boardwalks, and piers. Several small craft may break away from moorings, especially where exposed directly to wind and wave action.



Rainfall Flooding Impacts

Hurricane IAN



Flooding Rain Threat

Potential for extreme flooding rain	Potential for major flooding rain	Potential for moderate flooding rain	Potential for localized flooding rain	Little to no potential for flooding rain
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Prepare for potential major rainfall flooding impacts in the Florida Keys. Storm total rainfall 4 to 6 inches with isolated maximum amounts near 8 inches is forecast for the Florida Keys from now through Thursday morning.

Potential impacts include:

- Widespread street and yard flooding with several streets possibly becoming impassable to vehicles. Water may enter numerous ground floor slab homes and businesses, especially where drainage is normally poor.
- Some neighborhoods with poor drainage access roads may temporarily be cut off from the Overseas Highway or city arterials.
- Flooding potential may be worst when coastal flooding is occurring, especially from Tuesday evening through Wednesday.



Potential Tornado Impacts

Hurricane IAN



Tornado Threat

- | | | | | |
|-------------------------------------|------------------------------|---------------------------------|-------------------------------|------------------------|
| Potential for outbreak of tornadoes | Potential for many tornadoes | Potential for several tornadoes | Potential for a few tornadoes | Tornadoes not expected |
|-------------------------------------|------------------------------|---------------------------------|-------------------------------|------------------------|

A few tornadoes are possible in association with rain squalls, from late tonight through at least Wednesday.

Potential impacts include:

- A few places may experience tornado damage, along with power and communications disruptions.
- Roofing damage to homes and businesses, mobile homes pushed off foundations or overturned
- Large tree tops and branches snapped off and shallow-rooted trees may be blown down.
- Moving vehicles may be blown off roads, and small boats may be pulled from moorings or knocked off lifts.



Key Points

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Next Briefing: Monday 11:45 PM ET


or sooner if there are significant changes to the expected impacts in the Florida Keys


https://www.weather.gov/media/key/DSS/dssbrief_land.pdf


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For the latest graphics and information go to: www.hurricanes.gov or weather.gov/key/tropical