

Monroe County Florida Keys Weather Briefing

Windy and Squally Conditions This Weekend

Issued: August 1, 2024 – 3:00 p.m. EDT

This weather briefing is for emergency management and critical infrastructure core partners serving the Florida Keys of Monroe County.

Bottom Line:

Windy and squally conditions are expected this weekend, and any preparations should be completed on Friday. A threat for heavy, flooding rainfall and strong squalls with gusty winds will develop Friday night through Sunday morning as a well-defined tropical wave approaches and transits the region.

Situation Overview:

A well-defined tropical wave (“Invest AL97”) is producing a large area of showers and thunderstorms over Hispaniola, Puerto Rico, the Southeastern Bahamas, and the adjacent coastal waters. This system will move west-northwestward over Cuba tonight and Friday, and across the Straits of Florida, southeastern Gulf of Mexico, and portions of South Florida, including the Keys, on Saturday and Saturday night. Environmental conditions are forecast to be more conducive for development into a tropical depression or tropical storm over the weekend into early next week. Subsequently, a tropical depression is likely to form (70% chance) as the tropical wave moves away from the Florida Keys.

As the well-defined tropical wave approaches and transits our area, increasingly rich and deep moisture and accelerating low-level wind fields will increase the chance for flooding rainfall, strong squalls, and locally gusty winds.

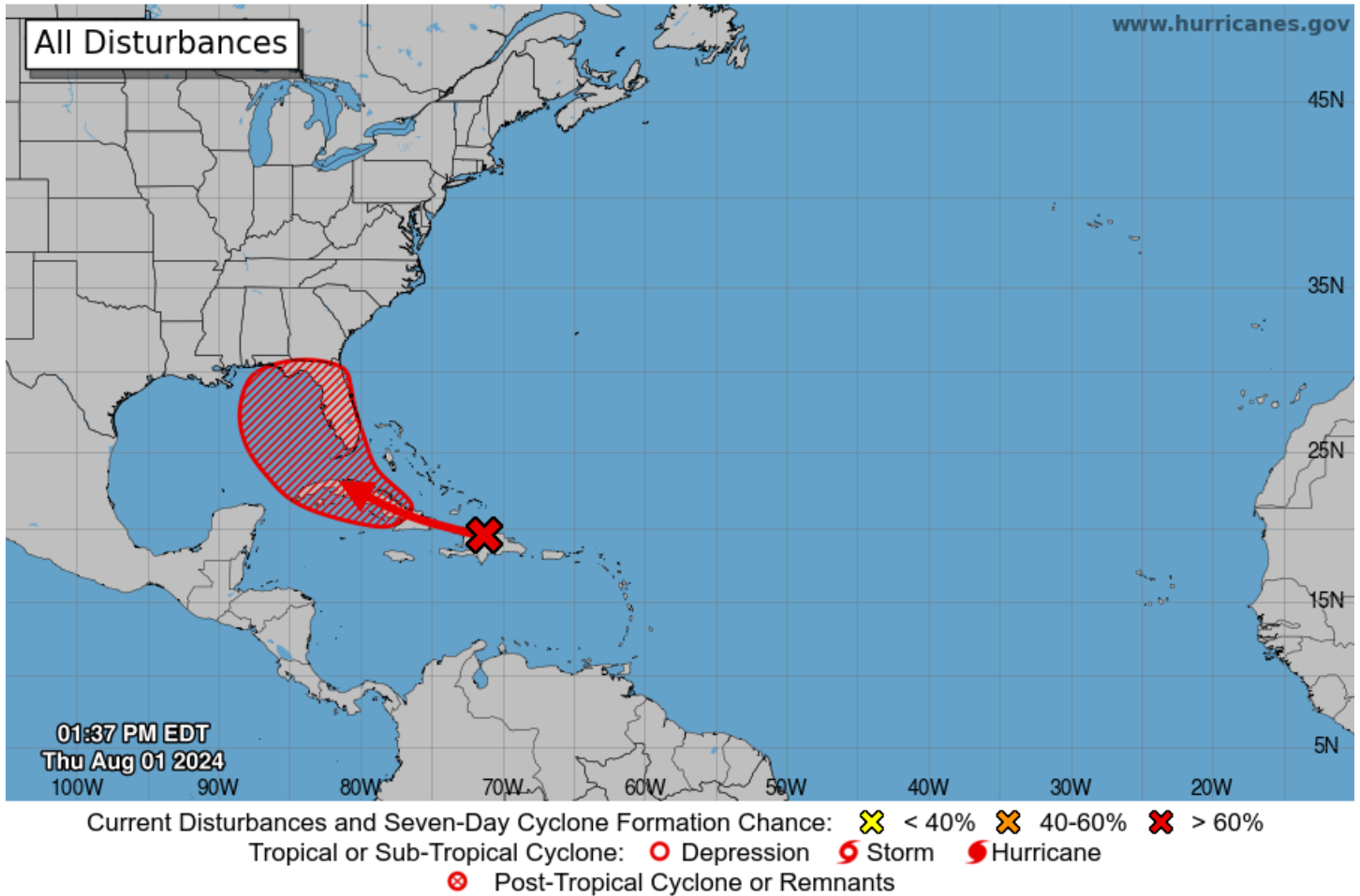
A Marginal Risk (5%) for excessive rainfall has been outlooked for the Florida Keys for Saturday and Saturday night. Isolated, mainly localized flooding of streets, poor drainage areas, and areas where drainage is reduced around the times of high tide is possible. Those in areas subject to rainfall and king tide flooding in the past should monitor future weather forecasts closely. At this time, specific rainfall totals in the Florida Keys will be highly uncertain until rainfall begins later Friday night or early Saturday.

There is a potential for hazardous marine conditions, including Small Craft Advisories between Friday night and Sunday. Above normal tides and strong southerly breezes will lead to the potential for minor overwash of Atlantic side beaches and seawalls Saturday night and early Sunday.



Seven-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



Next Update

The next update to the weather brief is expected by noon Friday, or sooner if changing conditions warrant.

You may contact the NWS Key West at (305) 295-1316 extension 3 to speak with a meteorologist 24/7. Please contact us anytime if you need specific information (as best as the science allows) for critical hazardous weather information for decision support in your department's activities.

For additional information,

visit our webpage: <http://www.weather.gov/key>

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