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Eastern Atlantic Tropical Wave Threatens Caribbean Islands as Development Likely

Upper-level winds are expected to become favorable for a tropical depression to form by midweek, as the system moves westward toward the Caribbean

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NHC's 7-day graphical tropical weather outlook

A tropical wave located several hundred miles south-southeast of the Cabo Verde Islands is currently producing limited shower and thunderstorm activity, according to the National Hurricane Center (NHC). However, forecasters predict that upper-level winds will become more favorable for development over the coming days, potentially leading to the formation of a tropical depression by the middle or latter part of this week. The system is expected to move slowly westward or west-northwestward across the eastern tropical Atlantic.

Currently, the NHC assigns the tropical wave a low chance of development within the next 48 hours, at 20 percent. However, the system's chance of formation over the next seven days is rated at 60 percent, indicating that there is a moderate likelihood of it becoming a more organized system later this week.

Low Pressure in the Western Caribbean Monitored for Potential Development

In addition to the eastern tropical Atlantic disturbance, a broad area of low pressure in the western Caribbean Sea is also being closely monitored. The system is currently producing disorganized showers and thunderstorms. Environmental conditions in the region are expected to become more conducive for gradual development, and the NHC states that a tropical depression could form by the middle of this week.

The disturbance is projected to move slowly west-northwestward initially, before turning northwestward into the Gulf of Mexico later in the week. Coastal areas in the northwestern Caribbean Sea and along the U.S. Gulf Coast are advised to monitor the progress of this system. Currently, the chance of development within the next 48 hours remains low, near 0 percent, but the probability of formation over the next seven days is higher, at 50 percent.

Active Systems in the Atlantic

The National Hurricane Center is also issuing advisories on three active systems in the Atlantic: Tropical Storm Isaac, located several hundred miles northwest of the Azores; Tropical Depression Joyce, situated in the central Atlantic; and Tropical Depression Twelve, which is positioned over the eastern tropical Atlantic.

All residents and those with interests in the Caribbean, Gulf of Mexico, and the eastern Atlantic are encouraged to stay updated on these systems as they continue to evolve over the coming days.