



Key Points

- Jun-Jul-Aug 2025 was the **driest** since 2015.
- August 12th 2025 was the **warmest day** of 2025 so far.
- Temperatures are predicted to be **above normal**, heatwaves are possible through October.

SEASONAL OUTLOOK FOR SEPTEMBER TO NOVEMBER (SON) 2025

Rainfall Forecast

Normal Rainfall | 320 mm - 466 mm | 13-18 inches
Sep-Oct-Nov Season | 37 - 45 wet days

Sep-Oct-Nov 2025 | • Likely to be normal
• up to 7 (7-day) wet spells
• up to 5 (7-day) dry spells

Sep-Oct-Nov is the wettest season on St. Maarten; expect more frequent showers this season.

Coral Reef Bleaching

Sea Surface Temperatures | Above bleaching threshold

A warning has been issued for the region. An Alert Level 1 will come into effect by next week followed by an Alert Level 2 by mid September as widespread bleaching and mortality are expected.

Sargassum Report

Total sargassum amounts in the Atlantic decreased slightly partially due to the passage of Erin. This decline is expected to continue in the coming months. However, because the absolute amount is still higher than any previous August, Sargassum inundation of variable degree will continue to occur in most of the Caribbean islands. (*USF August 31st 2025 Outlook*)

Temperature Forecast

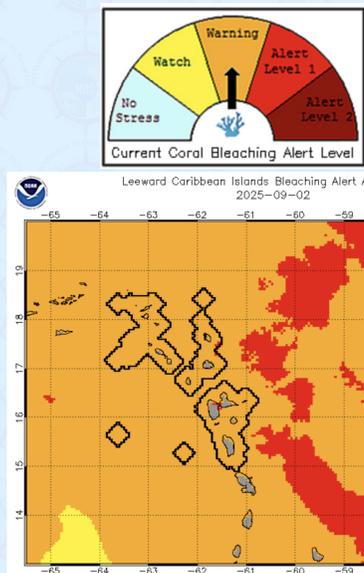
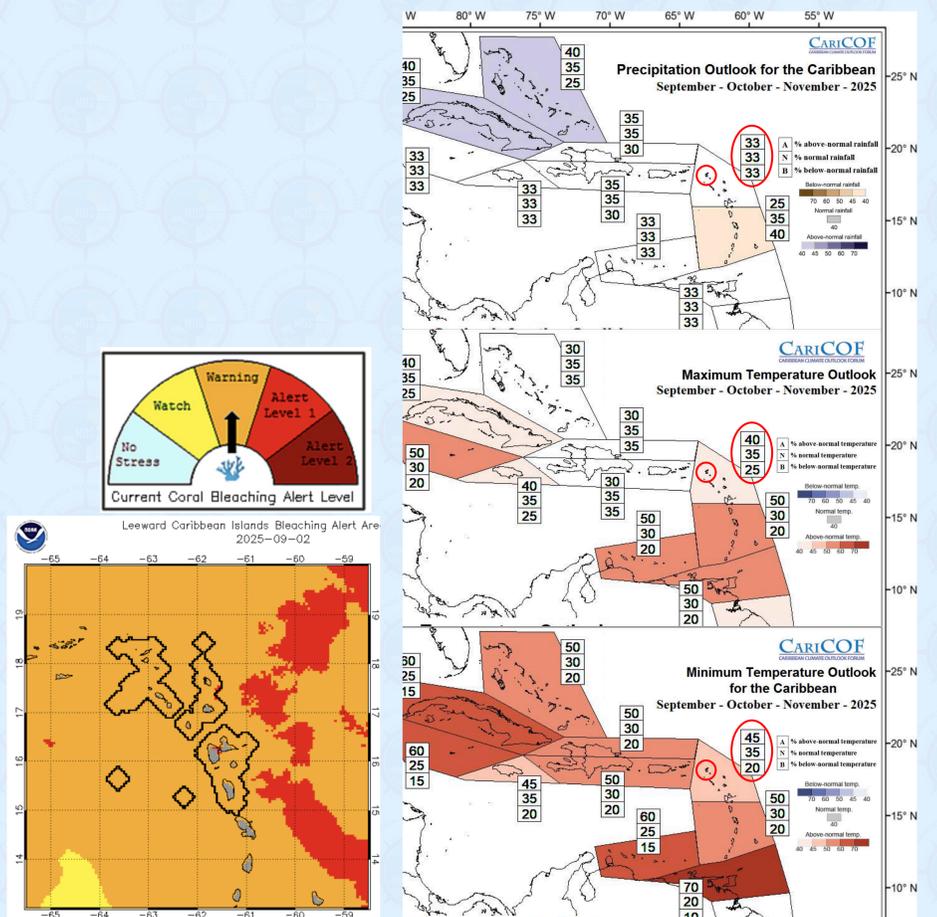
Day-time Temp. | Above normal
Night-time Temp. | Above normal

Temperatures are expected to become more comfortable towards the end of November.

Flash Flood Potential

Extremely High Chance | At least 3-4 events could cause flash flooding/ flooding
 > 80%

High Chance (50-80%) for September. At least 1 event could cause flash flooding/ flooding.





IMPLICATION OF FORECAST FOR SECTORS

Health

- UV radiation will continue to increase this season.
- Keep hydrated, wear protective clothing, and limit outdoor activities during peak hours (11am to 3pm).
- Increase in Saharan Dust incursion is likely; persons with allergies/respiratory illnesses should be vigilant.

Tourism

- Some disruptions to outdoor activities likely.
- Widespread coral reef bleaching are likely.
- Monitor weather forecasts as we are in the hurricane season.

Agriculture

- Schedule irrigation during dry spells.
- Increased cooling and ventilation needed to mitigate heat stress in small and large livestock.

Energy/ Water

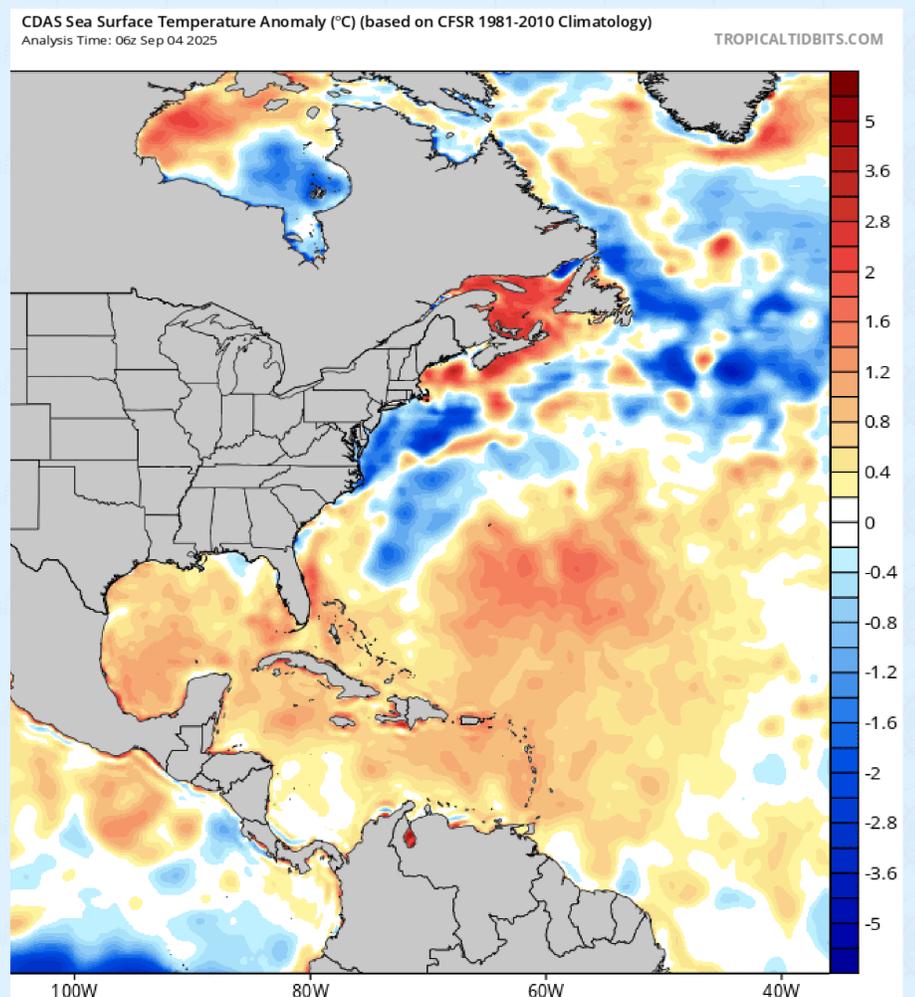
- Increase in energy demand and consumption for cooling purposes is anticipated.

What Influences This Season's Climate ?

As of mid-August 2025, the equatorial Pacific remains in an ENSO-neutral state. The IRI ENSO plume forecast indicates a 57% probability that the neutral phase will continue through November 2025. Thereafter the probabilities for neutral conditions to persist, gradually increases towards the end of 2025.

Sea surface temperatures (SSTs) in the Caribbean Sea and the Tropical North Atlantic have warmed slightly approximately 1°C to 2°C above normal. Forecast models suggest that above-average SSTs will persist across these regions through the Sept–Oct–Nov 2025 season.

These warmer-than-normal SSTs in and around the Caribbean are expected to contribute to higher air temperatures, increased humidity, and above-normal seasonal rainfall totals. They also raise the likelihood of more frequent severe weather events, including tropical cyclones. While intense heatwaves are anticipated, they are projected to be less extreme than those experienced during 2024.





SHORT / LONG TERM REVIEW

August In Review

Average Temperature 29.4°C | 85°F

Maximum Temperature August 12th
34.2°C | 94°F

Minimum Temperature August 17th
25.0°C | 77°F

Most Sunshine Hours August 22nd
11hrs:24mins

Least Sunshine Hours August 16th
0hr:00mins

Warmest Day August 12th
Average Temperature 30.2°C | 86°F

Coolest Day August 16th
Average Temperature 27.3°C | 81°F

Hot Days ($\geq 32.2^\circ$ | 90°F) 22 days

Warm Nights ($\geq 27.2^\circ$ | 81°F) 21 nights

Average Wind Speed 9 kt | 10 mph

Windiest Day August 16th
Daily Average Wind Speed 13 kt | 15 mph

Highest Wind Gust August 16th
35 kt | 40 mph

For the month of August, rainfall was within the normal range, it was the driest Jun-Jul-Aug since 2015. Temperatures were generally above the normal range.

Total Rainfall 83.6 mm | 3.3 in

2025 Cumulative Rainfall 394.6 mm | 15.6 in

Maximum 24-hr. Rainfall 51.5 mm | 2.0 in

No. of Rain Days 10 days

No. of Heavy Rain Days 1 day

No. of Thunderstorm Days 7 days

Year In Review

Sep 2024 - Aug 2025

Normal Rainfall 957 mm - 1216 mm

Recorded Rainfall 962.2mm | 38 inches

Seasonal Review

Jun-Jul-Aug 2025

Normal Rainfall 201 mm - 267 mm

Recorded Rainfall ↓ 136.2 mm | 5 inches

Heavy Rain Days (>10 mm) 2 days



Normal September Conditions



Total Rainfall	82 - 120 mm 3 - 5 in
Average No. of Rain Days	12 days
Daily Average Temperature	28.8°C 84°F
Avg. Max. Temperature	31.7°C 89°F
Avg. Min. Temperature	26.4°C 80°F
Avg. Daily Hrs. of Sunshine	8 hrs

NEWS

2025 ATLANTIC HURRICANE SEASON UPDATE

As we approach the climatological peak of the Atlantic hurricane season on September 10, tropical cyclone activity is expected to increase across the basin. Rising sea surface temperatures and atmospheric moisture in the coming weeks are likely to further support the development of tropical storms and hurricanes.

During August, the Atlantic produced three (3) named storms: **Dexter, Erin, and Fernand**.

Tropical Storm Erin formed in the eastern Atlantic on August 11 and strengthened into the first hurricane of the 2025 season on August 15. Erin passed approximately 107 miles northeast of St. Maarten on August 16, prompting the issuance of a Tropical Storm Watch for the island. The system brought just over 2 inches of rainfall and produced a maximum wind gust of 40 mph on August 16, 2025.

Looking ahead, continued Saharan dust outbreaks could help to suppress the formation of stronger tropical systems. However, these same conditions may also contribute to hotter, drier, and more humid weather across our region.

The Meteorological Department reminds the public to remain vigilant and prepared throughout the season.

Remember, it only takes one storm or hurricane making landfall on our island to make it an active and impactful season.

ANDREA	HUMBERTO	OLGA
BARRY	IMELDA	PABLO
CHANTAL	JERRY	REBEKAH
DEXTER	KAREN	SEBASTIEN
ERIN	LORENZO	TANYA
FERNAND	MELISSA	VAN
GABRIELLE	NESTOR	WENDY



This newsletter is produced by the **Meteorological Department of St. Maarten**. We would appreciate your comments and feedback.

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For more information on other Caribbean Outlooks go to <http://rcc.cimh.edu.bb/long-range-forecasts/caricof-climate-outlooks>

Please note that all data was recorded at the *Princess Juliana International Airport* and may not necessarily reflect conditions at other points on country St Maarten.

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