METEOROLOGICAL DEPARTMENT ST.MAARTEN

Volume 10, Issue 07 July 2025

Weather & Climate

Key Points

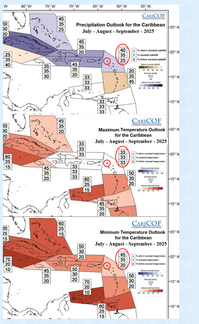
- June 2025 was the **driest June** in seven (7) years.
- Rainfall for the Jul-Aug-Sep season is expected to be **above normal.**
- Temperatures are predicted to be **normal to above normal**.

SEASONAL OUTLOOK FOR JULY TO SEPTEMBER (JAS) 2025

Rainfall Forecast

Normal Rainfall *Jul-Aug-Sep Season*	250 mm - 349 mm | 10-14 inches 37 - 45 wet days
Jul-Aug-Sep 2025	• Likely to be above normal • up to 6 (7-day) wet spells • up to 5 (7-day) dry spells

The wet season continues through July and August, typically interrupted by a mid-summer dry spell. In September, rainfall usually becomes more frequent again.



Temperature Forecast

Day-time Temp. **Night-time Temp.**	Normal *Above normal*

Twenty-five or more hot-spell days are possible this season. Recurrent excessive heat likely to peak in September.

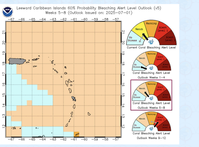
Flash Flood Potential

Moderate Chance *20% - 50%*	Atleast 1 event could cause flash flooding/ flooding *(July)*

Coral Reef Bleaching

Sea Surface Temperatures	*Currently below* bleaching threshold

It is expected that by the end of July a Bleaching Watch will be issued for the area.



Sargassum Report

Sargassum inundation, with varying intensity, is expected to continue across most Caribbean nations and islands. However, the amount of Sargassum that accumulates on a specific beach or small area largely depends on local factors — such as wind patterns and ocean currents — which are difficult to predict.

IMPLICATION OF FORECAST FOR SECTORS

Health

- UV radiation will continue to increase this season.
- Keep hydrated, wear protective clothing, and limit outdoor activities.
- Frequent Saharan Dust incursions is likely to continue; persons with allergies/respiratory illnesses should be vigilant.

Tourism

- Increased disruptions to outdoor activities.
- Potential for coral reef bleaching.
- Monitor weather forecasts as we are in the hurricane season.

Agriculture

- Schedule irrigation during dry spells.
- Pests and diseases are likely to increase with increasing moisture levels.
- Increased cooling and ventilation needed to mitigate heat stress in small and large livestock.

Energy/ Water

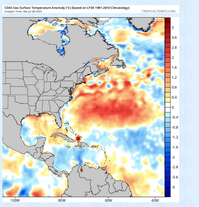
- A significant increase in energy demand/consumption for cooling is anticipated.

What Influences This Season's Climate ?

As of mid-June 2025, the equatorial Pacific remains in an ENSO-neutral state. Forecast models indicate that ENSO-neutral conditions will continue through this season (Jul-Sep) and is likely to persist through the end of 2025.

Sea surface temperatures (SSTs) in the Tropical North Atlantic have cooled significantly compared to the same time in 2024. Whereas SST to the north of the Caribbean are unusually warm. Forecast models suggest that above-average SSTs, ranging from 0.2°C to 0.5°C, will likely persist across these areas through the Oct-Nov-Dec 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 still anticipated, they are projected to be less extreme than those experienced during 2024.



LONG / SHORT TERM REVIEW

June In Review

Average Temperature	**28.4°C | 83°F**
Maximum Temperature	**June 1st, 6th & 21st** *31.7°C | 89°F*
Minimum Temperature	**June 4th** *25.9°C | 79°F*

Most Sunshine Hours	**June 3rd** *11hrs:30mins*
Least Sunshine Hours	**June 15th** *01hr:48mins*

Warmest Day *Average Temperature*	**June 24th** *29.8°C | 86°F*
Coolest Day *Average Temperature*	**June 4th & 17th** *27.8°C | 82°F*
Longest Dry Spell	**12 days** June 11th - 22nd
Warm Nights *(> 27.2° | 81°F)*	**7 nights**

Average Wind Speed	**11 kt | 13 mph**
Windiest Day *Daily Average Wind Speed*	**June 10th** *15 kt | 17 mph*
Highest Wind Gust	**June 25th** *27 kt | 31 mph*

Total Rainfall	**12.8 mm | 0.5 in**
2025 Cumulative Rainfall	**271.5 mm | 10.7 in**
Maximum 24-hr. Rainfall	**2.8 mm | 0.1 in**
No. of Rain Days	**5 days**
No. of Heavy Rain Days	-
No. of Thunderstorm Days	-

For the month of June, rainfall was below the normal range. It was the driest June since 2018. Additionally, temperatures were normal to slightly above the range.

Year In Review
Jul 2024 - Jun 2025

Normal Rainfall Recorded Rainfall	**970 mm - 1188 mm** 1087.2 mm | 43 inches

Seasonal Review
Apr-May-Jun 2025

Normal Rainfall Recorded Rainfall *Heavy Rain Days (>10 mm)*	**148 mm - 252 mm** 165.1 mm | 6.5 inches *5 days*

Normal July Conditions

Total Rainfall	65 - 115 mm | 3 - 5 in
Average No. of Rain Days	13 days
Daily Average Temperature	28.6°C | 84°F
Avg. Max. Temperature	31.5°C | 89°F
Avg. Min. Temperature	26.3°C | 79°F
Avg. Daily Hrs. of Sunshine	9 hrs

NEWS

2025 ATLANTIC TROPICAL CYCLONES NAMES

For the month of June, two (2) tropical cyclones formed, both of which intensified into a named storm.

Tropical Storm Andrea formed in the central Atlantic on June 24th and disintegrated into a remnant low the following day.

Tropical Storm Barry, also short-lived, formed onJune 29th over the Yucatan Peninsula.

Atlantic hurricane activity typically increases as the season progresses towards September, with potential upticks in August — especially when intrusions of the dudly Saharan Air Layer (SAL) are limited across and east of the Caribbean.

In contrast, when Saharan dust episodes are more frequent and winds are weaker, the result is often hot, humid conditions with reduced air quality. These conditions tend to suppress the development of intense showers and tropical cyclones.

Remember, that it takes only one major hurricane to make landfall on our island to make it an active season for us.

~~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

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