METEOROLOGICAL DEPARTMENT ST.MAARTEN

Volume 10, Issue 11 November 2025

Weather & Climate

Key Points

- Rainfall and Temperatures for October 2025 were **above normal**.
- There is **high potential** for flash flooding in November.
- Temperatures are predicted to remain **above normal** throughout November.

SEASONAL OUTLOOK FOR NOVEMBER TO JANUARY (NDJ) 2025/26

Rainfall Forecast

Normal Rainfall *Nov-Dec-Jan Season*	272 mm - 321 mm | 11-13 inches 37 - 60 wet days
Nov-Dec-Jan 2025	• Likely to be normal • up to 6 (7-day) wet spells • up to 6 (7-day) dry spells

November is generally St. Maarten's wettest month, with frequent showers and occasional heavy rainfall. In December, we transition to the dry season.

Temperature Forecast

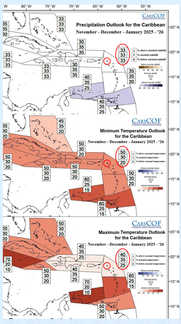
Day-time Temp. Night-time Temp.	*Above normal*

This period marks the beginning of the Caribbean cool season; comfortable temperatures are expected to prevail from December.

Flash Flood Potential

High Chance *50% - 80%*	Atleast **2** events could cause flash flooding/ flooding

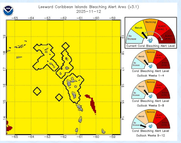
There is a high probability that at least **1** of these events could occur in November.



Coral Reef Bleaching

Sea Surface Temperatures	*Dropping below* bleaching threshold

Low thermal stress is expected for the next several weeks. As a result a watch has been issued for the region.



Sargassum Report

The total amount of Sargassum across all regions is expected to continue declining, potentially reaching its annual minimum in November. As a result, most regions are likely to remain free from significant inundations, signaling the end of the Sargassum "season." However, the Eastern Atlantic may be an exception, where Sargassum levels are projected to stay relatively high despite further decreases in November.

IMPLICATION OF FORECAST FOR SECTORS

Health

- On hot, sunny days, excessive UV exposure can cause skin damage. Stay hydrated and protect your skin.
- Proper management of water storage containers, e.g. covering with protective mesh, helps reduce the risk of potential breeding sites for mosquitoes.
- Persons with respiratory illnesses should take the necessary precautions during Saharan Dust episodes and monitor daily forecasts for more information.

Tourism

- Interruption of outdoor activities is likely.
- Monitor weather forecasts as we are in the hurricane season.

Agriculture

- The potential for flash flooding remains high.
- Schedule irrigation during dry spells.

Energy/ Water

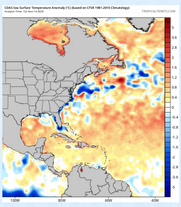
- Energy demand for cooling purposes will gradually decrease this season.

What Influences This Season's Climate ?

NOAA CPC is reporting that a La Niña is present in the equatorial Pacific where sea surface temperatures are close to average and showing a cooling trend (weak La Niña conditions). The IRI ENSO plume forecast indicates a 65% probability that the La Niña conditions could persist through early 2026 with a likelihood of a return of the Enso-Neutral phase to return thereafter.

Sea surface temperatures (SSTs) in the Caribbean Sea and the Tropical North Atlantic are 0.5°C to 1°C above normal. Forecast models suggest a 0.2°C to 1°C above normal through the Feb-Mar-Apr 2026 season.

If La Niña conditions persist accompanied by warmer-than-normal SSTs in and around the Caribbean, these conditions are often associated with increased shower activity, rainfall totals, air temperature and Atlantic Hurricane Season activity in Nov-Dec-Jan.



SHORT / LONG TERM REVIEW

October In Review

Average Temperature	**28.8°C | 84°F**
Maximum Temperature	**October 5th** *33.2°C | 92°F*
Minimum Temperature	**October 17th** *23.7°C | 75°F*

Most Sunshine Hours	**October 4th** *10hrs:54mins*
Least Sunshine Hours	**October 11th** *0hrs:00mins*

Average Wind Speed	**8 kt | 9 mph**
Windiest Day *Daily Average Wind Speed*	**October 10th** *13 kt | 15 mph*
Highest Wind Gust	**October 16th** *32 kt | 37 mph*

Warmest Day *Average Temperature*	**October 5th & 6th** *29.7°C | 86°F*
Coolest Day *Average Temperature*	**October 17th** *27.5°C | 82°F*
Hot Days *(≥ 32.2° | 90°F)*	**9 days**
Warm Nights *(≥ 27.2° | 81°F)*	**9 nights**

Total Rainfall	**176.3 mm | 6.9 in**
2025 Cumulative Rainfall	**627.2 mm | 24.7 in**
Maximum 24-hr. Rainfall	**42.6 mm | 1.7 in**
No. of Rain Days	**14 days**
No. of Heavy Rain Days	**7 days**
No. of Thunderstorm Days	**11 days**

For the month of October, rainfall was above the normal range. Additionally, temperatures remain above the normal range.

Year In Review
Nov 2024 - Oct 2025

Normal Rainfall Recorded Rainfall	**986 mm - 1231 mm** ↓ 971.5 mm | 38 inches

Seasonal Review
Aug-Sep-Oct 2025

Normal Rainfall Recorded Rainfall *Heavy Rain Days (>10 mm)*	**290 mm - 408 mm** 315.9 mm | 12 inches *10 days*

Normal November Conditions

Total Rainfall	89 - 156 mm | 4 - 6 in
Average No. of Rain Days	14 days
Daily Average Temperature	27.4°C | 81°F
Avg. Max. Temperature	30.0°C | 86°F
Avg. Min. Temperature	25.0°C | 77°F
Avg. Daily Hrs. of Sunshine	8 hrs

NEWS

2025 ATLANTIC HURRICANE SEASON UPDATE

October 2025 marked a surge in tropical activity across the Atlantic basin, with the formation of four named storms: **Jerry, Karen, Lorenzo,** and **Melissa**.

Tropical Storm Melissa strengthened to a Category 5 hurricane which made landfall in Jamaica causing widespread devastation and earning a place among the most intense hurricanes ever recorded in the Atlantic.

Tropical Storm Jerry passed approximately 90 miles north-northeast of St. Maarten on October 10. Jerry brought tropical storm-force winds, cloudy to overcast skies, rain and thunderstorms across St. Maarten.

Although the season officially ends on November 30, late-season storms are still possible, particularly in the Caribbean, where ocean temperatures remain favorable for development.

It only takes one major hurricane making landfall on our island to classify the season as active for us. Please stay informed, remain prepared, and monitor official updates as we approach the end of the 2025 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/cariicof-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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