



Weather & Climate

Key Points

- Temperatures remain **above normal** since April 2023.
- April 2025 was the **wettest** April since 2017.
- Rainfall for the May-Jun-Jul season is expected to be **below normal**.

SEASONAL OUTLOOK FOR MAY TO JULY (MJJ) 2025

Rainfall Forecast



Normal Rainfall
May-Jun-Jul Season | 167 mm - 295 mm | 7 -12 inches
28 - 36 wet days

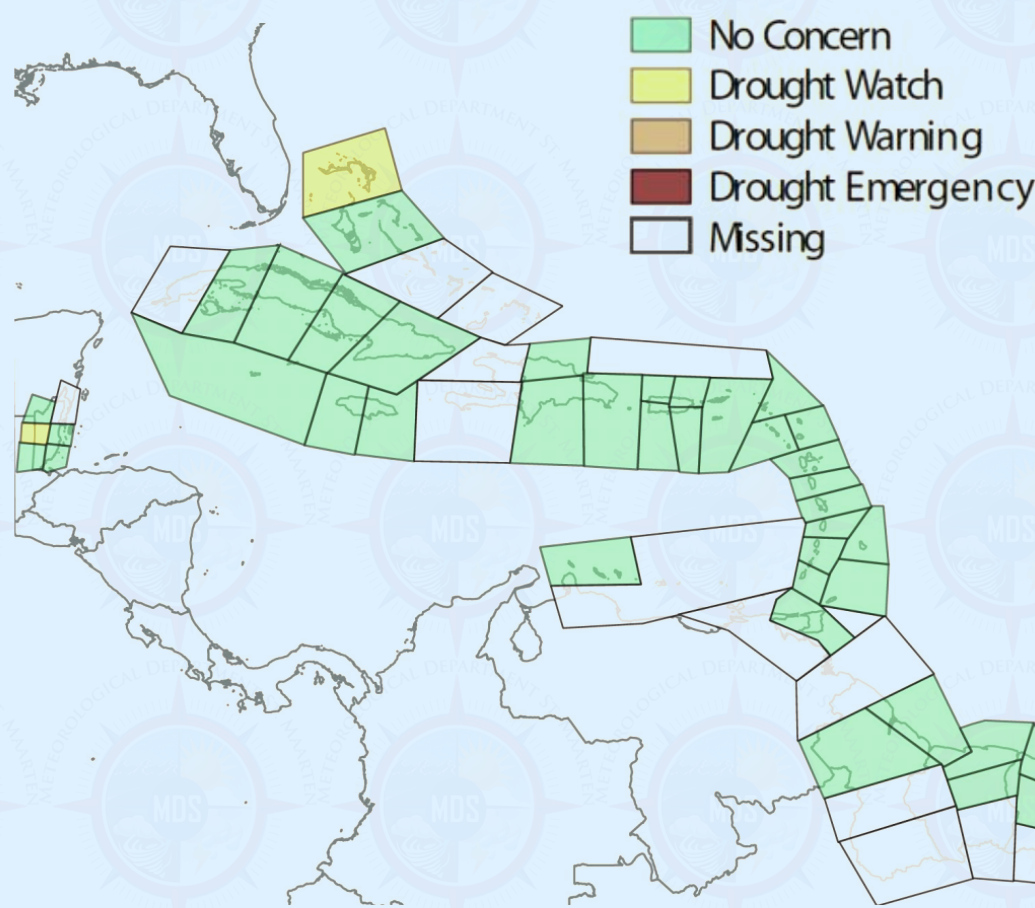


May-Jun-Jul 2025
• Likely to be below normal
• up to 4 (7-day) wet spells
• up to 8 (7-day) dry spells

As we transition to the wet season, during May and June there is usually frequent showers while in July there is often a mid summer dry spell.

Drought Alert

There is no drought concern for St.Maarten and most places by the end of July 2025. However, it is advised to monitor resources and monthly updates, and upgrade infrastructure and management plans.



Short term drought alert levels at the end of July 2025

Flash Flood Potential



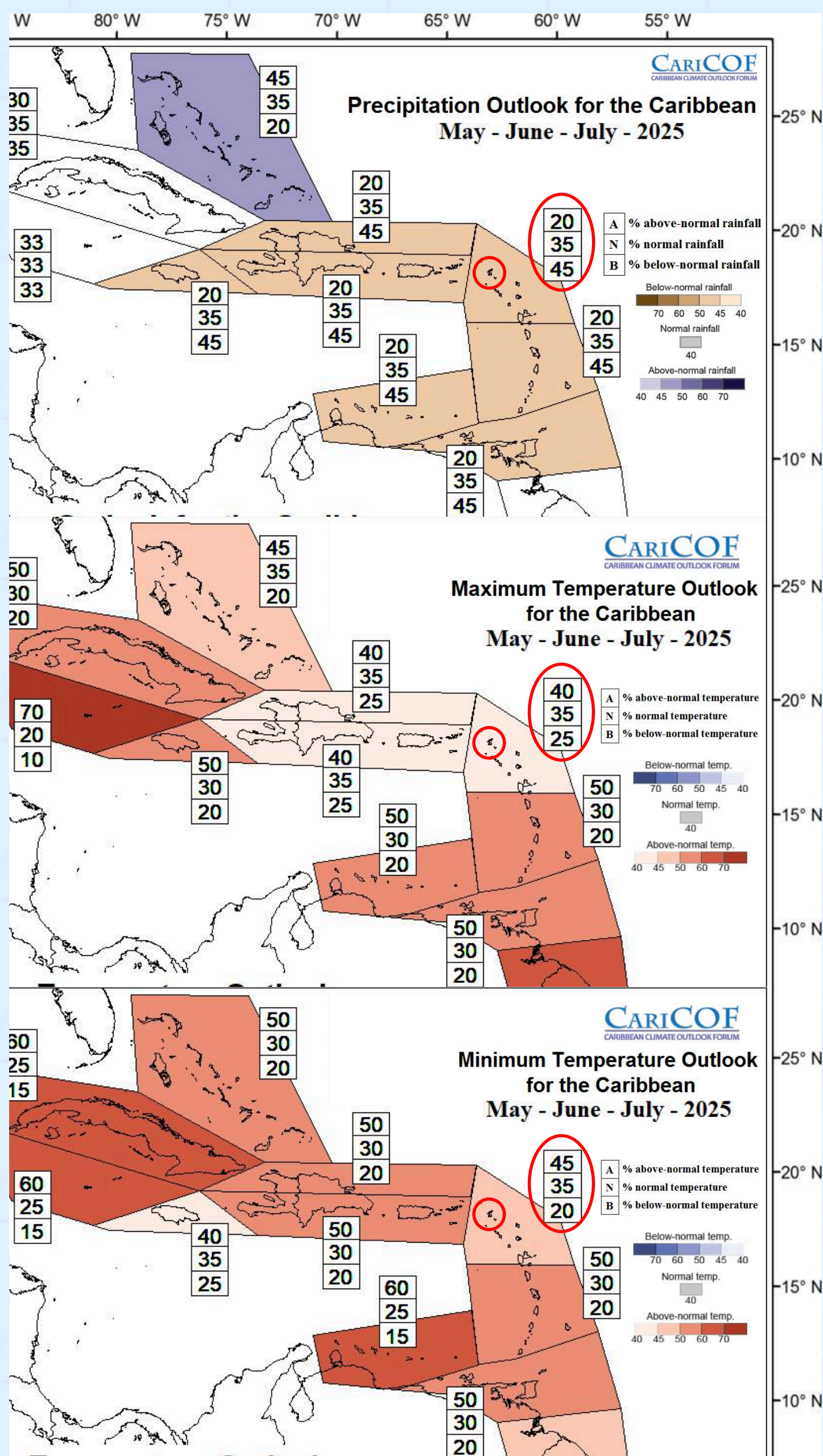
Moderate Chance
20% - 50% | Atleast 1 event could cause flash flooding/ flooding

Temperature Forecast



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

Episodes of hazardous heat, extreme heat with heatwaves, could increase by July particularly when the air is dusty and humid.



IMPLICATION OF FORECAST FOR SECTORS

Health

- UV radiation will continue to increase this season. Excessive UV exposure can cause skin damage across the population on sunny days.
- Keep hydrated and limit outdoor activity between 11am and 3pm.
- An increase in Saharan Dust incursion is likely; persons with respiratory illnesses should be vigilant.

Energy/ Water

- Energy demand for cooling purposes will continue to increase.

Tourism

- On hot days, there will be an increase demand for cooling & hydration.
- Some interruptions for outdoor activities.

Agriculture

- Schedule irrigation during dry spells.
- Increase cooling and ventilation for livestock.

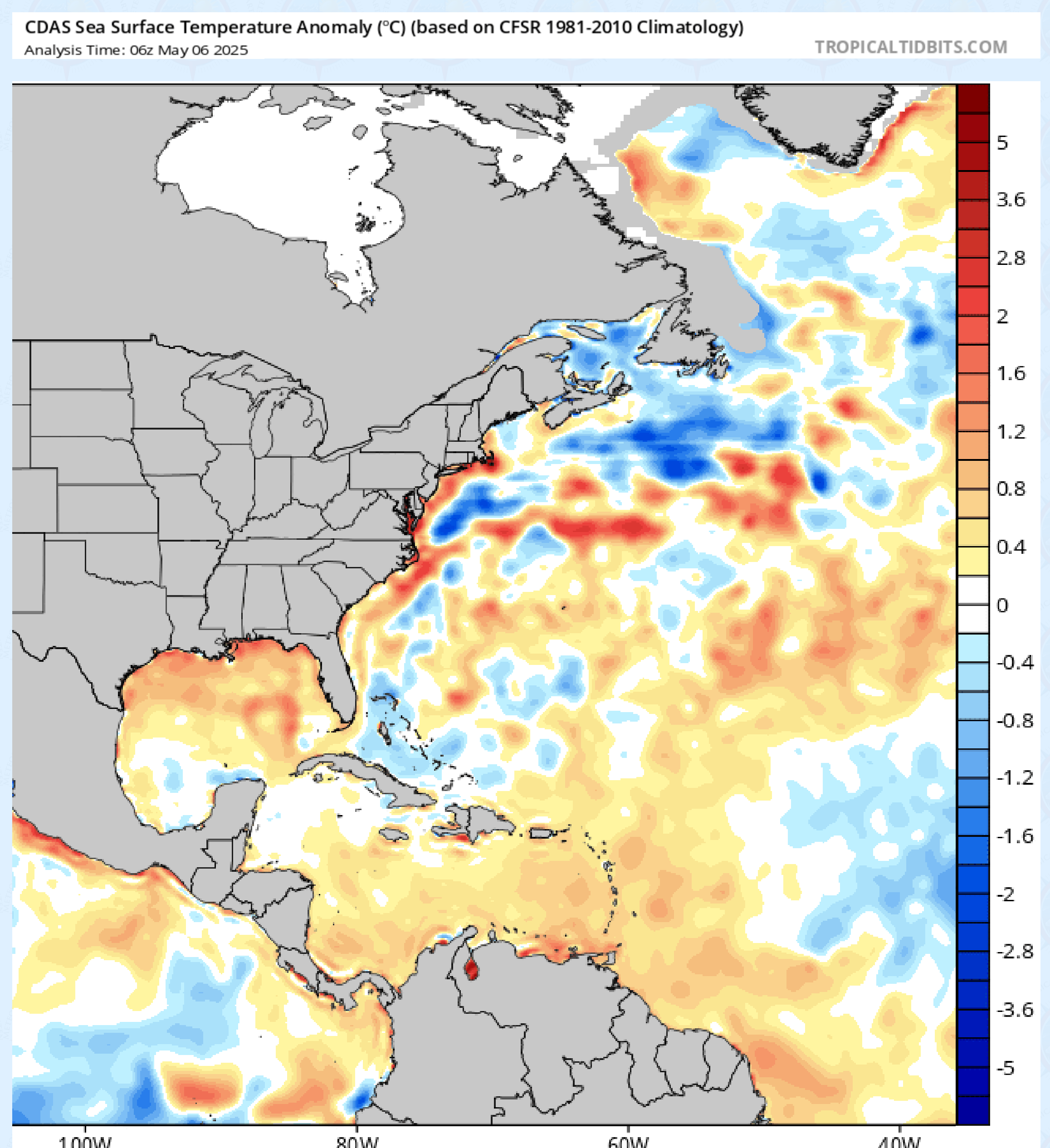
What Influences This Season's Climate ?

As of mid-April the equatorial Pacific is in an ENSO-neutral state. The IRI ENSO Plume forecast indicates a high probability (80%) for ENSO neutral conditions from May to July 2025.

ENSO-neutral phase is favored through the Aug-Sep-Oct 2025 season with probabilities of 50% and above followed by slightly lower probabilities of ENSO-neutral sticking around till the end of 2025.

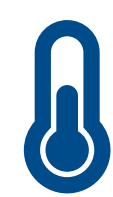
Sea Surface Temperatures (SSTs) in the Caribbean Sea and the Tropical North Atlantic have cooled to around 0.5°C above normal. Models are confidently forecasting above average SSTs of about 0.2 - 0.5°C across the Caribbean Sea and the Tropical North Atlantic to persist through the Aug-Sep-Oct 2025 season.

Warm SSTs in and around the Caribbean contribute to higher air temperatures with above-average humidity, seasonal rainfall totals, and increased frequency of severe weather. The likelihood of intense heatwaves is slightly higher than usual but less than 2023 and 2024.





April In Review



Average Temperature	26.8°C 80°F
Maximum Temperature	April 29th 30.9°C 88°F
Minimum Temperature	April 22nd 22.8°C 73°F



Most Sunshine Hours	April 16th & 22nd 11hrs:36mins
Least Sunshine Hours	April 26th 02hrs:36mins



Warmest Day Average Temperature	April 29th & 30th 27.8°C 82°F
Coollest Day Average Temperature	April 3rd 25.6°C 78°F
Longest Dry Spell	5 days April 20th - 24th



Average Wind Speed	9 kt 10 mph
Windyest Day Daily Average Wind Speed	April 4th 15 kt 17 mph
Highest Wind Gust	April 3rd 31 kt 36 mph



Total Rainfall	93.4 mm 3.7 in
2025 Cumulative Rainfall	199.8 mm 7.9 in
Maximum 24-hr. Rainfall	29.3 mm 1.2 in
No. of Rain Days	11 days
No. of Heavy Rain Days	3 days
No. of Thunderstorm Days	-

For the month of April, rainfall was above the normal range. This was the wettest April since 2017. Temperatures continue to be above the normal range since April 2023.

LONG / SHORT TERM SEASONAL REVIEW

Year In Review May 2024 - Apr 2025



Normal Rainfall	956 mm - 1181 mm
Recorded Rainfall	↑ 1207 mm 48 inches

Seasonal Review Feb-Mar-Apr 2025



Normal Rainfall	132 mm - 168 mm
Recorded Rainfall Heavy Rain Days (>10 mm)	164 mm 7 inches 3 days



Normal May Conditions



Total Rainfall

49 - 121 mm | 2 - 5 in

Average No. of Rain Days

10 days

Daily Average Temperature

27.5°C | 82°F

Avg. Max. Temperature

30.4°C | 87°F

Avg. Min. Temperature

25.3°C | 78°F

Avg. Daily Hrs. of Sunshine

8 hrs

NEWS

First Climate Outlook Forum

The Meteorological Department St. Maarten is pleased to invite all stakeholders to its first **Climate Outlook Forum**, carded for

**Friday, May 9, 2025,
at 9:00 AM
at the Government Building Conference Room.**

This forum will serve as a platform for identifying Climate seasonality hazards for St. Maarten, presenting the three-month climate forecast, guiding stakeholders on the interpretation and application of climate outlooks, and introducing upcoming programs focused on long-term climate projections for St. Maarten. The event will bring together key stakeholders from various sectors to discuss climate-related impacts and enhance preparedness and resilience.

