

**Meteorological Department  
St. Maarten**

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**Weather & Climate**

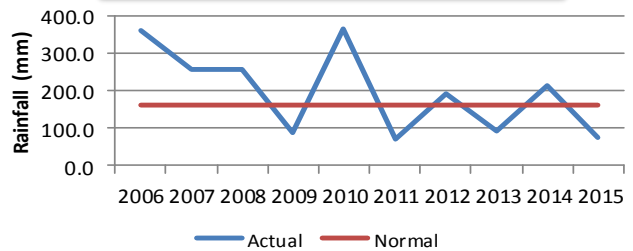
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October 2016

**NORMAL OCTOBER CONDITIONS**

Rainfall Total	99.9 mm – 180.9 mm	4– 7 in.
Avg. No. of Rain days	14 days	
Daily Average Temperature	28.2°C	83°F
Avg. Max. Temperature	31.4°C	89 °F
Avg. Min. Temperature	25.8°C	78°F
Avg. Daily Hours of Sunshine	8 hrs	

**Actual Vs Normal October Rainfall**



Rainfall for the month of October has been above-normal for 6 of the last 10 years.

**We are still in the hurricane season**

**Seasonal Outlook for October to December (OND) 2016**

According to the Caribbean Outlook Forum : <http://rcc.cimh.edu.bb/long-range-forecasts/caricof-climate-outlooks/>

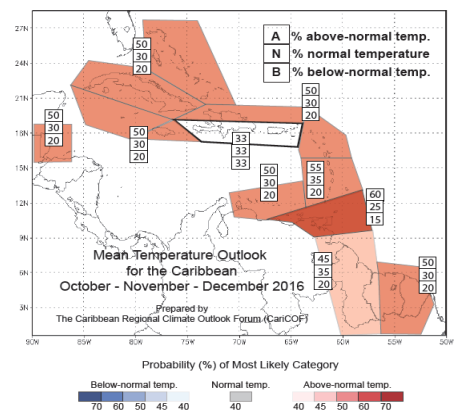
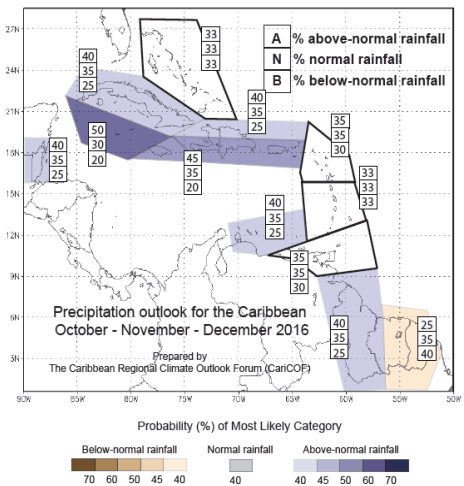
There is much uncertainty in the prediction of rainfall for much of the Lesser Antilles this season; ‘October to December 2016’. However, the forecast is that, rainfall totals are likely to be above-normal or normal. The normal rainfall for St. Maarten ranges from 307.2 mm –499.3 mm/ 12-20in.

October and November are usually the wettest months of the year, as a result, there is usually frequent showers some of which may be heavy. In December, showers begin decreasing as transition into the dry season begins. There is however high confidence that temperature for most of the Caribbean will be above normal along with high humidity. This means it may feel exceedingly hot until the end of October.

During mid-September, sea surface temperature anomalies across the Pacific Ocean remained near a weak La Nina threshold. Models indicate a weak La Nina will continue until February 2017 and then weaken further to a cool-neutral phase by March.

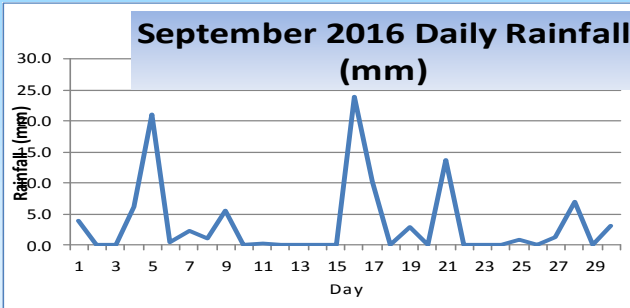
The 2016 Atlantic Hurricane Season continued with five named storms one of which became a major hurricane during the month of September: Ian, Julia, Karl, Lisa and Hurricane Matthew, which claimed many lives in Haiti.

With two months left in the hurricane season we should **NOT** let our guards down **BUT** remain vigilant and prepared.



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.

Rainfall for the month of September was within the normal range. A total of 103.6 mm/4.1 inches were recorded. There were thirteen (13) days of rainfall four (4), of which were heavy. However, rainfall for the year so far remains below-normal. A few tropical waves and tropical Depression Karl which passed more than 300 miles northeast of the area contributed to the increased rainfall in September.



The longest dry spell was 6 days.

Rainfall for 2016 remains below-normal

Rainfall from Jan. to Sept.	
Normal	662.8–813.8 mm
2015	253.3 mm
2016	484.2 mm

Total Rainfall	103.6 mm	4.1 in.
2016 Cumulative Rainfall	484.2 mm	19 in.
Max. 24-Hr. Rainfall	September 16 <sup>th</sup>	23.9 mm/ 0.9 in.
No. Rain Days (>=1.0 mm)	13 days	
No. Heavy Rain Days (>=10.0 mm)	4 day	
No. Thunderstorm Days	3 days	
Avg. Wind Speed	9 kts.	10 mph
Max. Wind Gust	Sept. 5 <sup>th</sup> & 28 <sup>th</sup>	36 kts. / 41 mph
Avg. Temperature	29.0 °C	84 °F
Max. Temperature	September 4 <sup>th</sup>	32.8 °C / 91 °F
Min. Temperature	September 5 <sup>th</sup>	23.6°C / 75 °F

The normal rainfall for September ranges from 94.9 - 132.7mm/4-5 in.

The Maximum temperature during the month of September was above-normal while minimum temperature was below-normal.

The warmest day was the 3<sup>rd</sup> with an average temperature of 29.9°C/86°F.

The days with the most sunshine hours were the 16<sup>th</sup>, 18<sup>th</sup> & 24<sup>th</sup> (10hrs :30 min).

The day with the least sunshine hours was the 5<sup>th</sup> (0 hr: 00 min). Skies were overcast for the entire day.

The windiest day was the 28<sup>th</sup>, with a daily average wind speed of 17 kts. / 20 mph.

Skies were Partly cloudy to Cloudy during the month of September.

2016 Atlantic Tropical Cyclone Names

Alex	Jan. 13th	Depression #8	Aug. 28th	Nicole	Oct. 4th	Walter
Bonnie	May 27th	Hermine	Aug. 31st	Otto		
Collin	Jun. 5th	Ian	Sept. 12th	Paula		
Danielle	Jun. 20th	Julia	Sept. 13th	Richard		
Earl	Aug. 2nd	Karl	Sept. 15th	Shary		
Fiona	Aug. 17th	Lisa	Sept. 20th	Tobias		
Gaston	Aug. 22nd	Matthew	Sept. 28th	Virginie		