

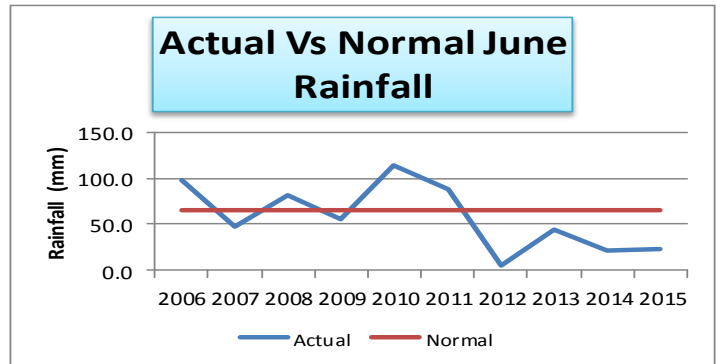
# Weather & Climate

Volume 2, Issue 27

June 2016

## NORMAL JUNE CONDITIONS

Rainfall Total	39.7 mm – 65.9 mm	2– 3 in.
Avg. No. of Rain days	10 days	
Daily Average Temperature	28.4°C	83°F
Avg. Max. Temperature	31.5°C	89 °F
Avg. Min. Temperature	26.1°C	79°F
Avg. Daily Hours of Sunshine	8 hrs	



Rainfall for the month of June has been below-normal for 6 out of the last 10 years.

**Drought conditions will be alleviated for most countries.**

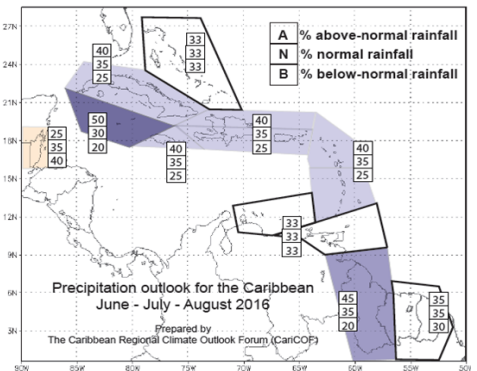
## Seasonal Outlook for June to August (JJA) 2016

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

Rainfall for most of the islands in the Eastern Caribbean is predicted to be near normal to above normal for the season; 'Jul-Aug. 2016'. Normal rainfall for St. Maarten ranges from 210.0 mm –287.7 mm/ 8- 11 in.

In June there is usually frequent showers while July & August are wet with a mid-summer dry spell.

Temperature for most of the Caribbean is forecast to be normal to above-normal. Heat waves are likely throughout this period.



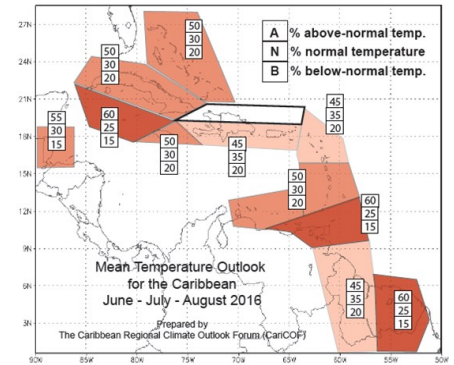
Probability (%) of Most Likely Category  
Below-normal rainfall Normal rainfall Above-normal rainfall  
70 60 50 45 40 40 40 45 50 60 70

During mid-May, sea surface temperature anomalies across the Pacific Ocean continued to weaken and were less than 1°C above normal. Most models indicate that La Nina conditions will evolve by the end of August.

The 2016 Atlantic Hurricane Season began on June 1<sup>st</sup>. This year NOAA predicts a near normal season. However we could see more storm activity than the last 3 years which were all below -normal.

Increasing temperatures mean more evaporation and more cloud formation increasing the potential for increased rainfall activity. La Nina in the Pacific triggers increased rainfall for the Eastern Caribbean Region.

Irrespective of what the predictions are we should be prepared and protected life and property this Hurricane Season.

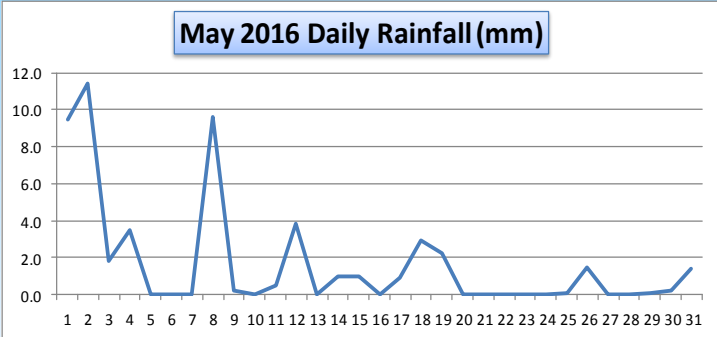


Probability (%) of Most Likely Category  
Below-normal temp. Normal temp. Above-normal temp.  
70 60 50 45 40 40 40 45 50 60 70

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.

**MAY 2016 IN REVIEW**

Rainfall for the month of May was below the normal range once again. A total of 51.6 mm/2.0 inches were recorded. There was only one day with heavy rainfall due to instability and increased moisture across the area. The longest dry spell was about six days. Rainfall for the year so far remains below the normal range but above what was recorded in 2015.



The longest dry spell was 6 days.

Rainfall from Jan. to May	
Normal	279-348 mm
2015	134.2 mm
2016	218.4 mm

Total Rainfall	51.6 mm	2.0 in.
2016 Cumulative Rainfall	218.4 mm	8.6 in.
Max. 24-Hr. Rainfall	May 2 <sup>nd</sup>	11.4 mm/ 0.5 in.
No. Rain Days (>=1.0 mm)	12 days	
No. Heavy Rain Days (>=10.0 mm)	1 day	
No. Thunderstorm Days	1 day	
Avg. Wind Speed	10 kts.	11 mph
Max. Wind Gust	May 4 <sup>th</sup>	27 kts. / 31 mph
Avg. Temperature	27.6 °C	82 °F
Max. Temperature	May 25 <sup>th</sup>	30.9 °C / 88 °F
Min. Temperature	May 2 <sup>nd</sup>	22.7°C / 73 °F

The normal rainfall for May ranges from 56.4 - 115.2 mm /2-5 in.

The temperatures recorded during the month of May varied from normal to below-normal.

The warmest day was the 23<sup>rd</sup> with an average temperature of 28.5°C/83°F.

The days with the most sunshine hours were the 6<sup>th</sup> & 15<sup>th</sup> (10hrs :48 min).

The day with the least sunshine hours was the 28<sup>th</sup> (0 hr: 00 min)

The windiest day was the 7th, with a daily average wind speed of 12 kts. / 14 mph.

Skies were mostly Cloudy during the month of May.

## 2016 Atlantic Tropical Cyclone Names

<b>Alex:</b> Jan.13 <sup>th</sup>	<b>Hermine</b>	<b>Otto</b>
<b>Bonnie:</b> May 27 <sup>th</sup>	<b>Ian</b>	<b>Paula</b>
<b>Colin:</b> Jun. 5 <sup>th</sup>	<b>Julia</b>	<b>Richard</b>
<b>Danielle</b>	<b>Karl</b>	<b>Shary</b>
<b>Earl</b>	<b>Lisa</b>	<b>Tobias</b>
<b>Fiona</b>	<b>Matthew</b>	<b>Virginie</b>
<b>Gaston</b>	<b>Nicole</b>	<b>Walter</b>