

Meteorological Department St. Maarten

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Weather & Climate

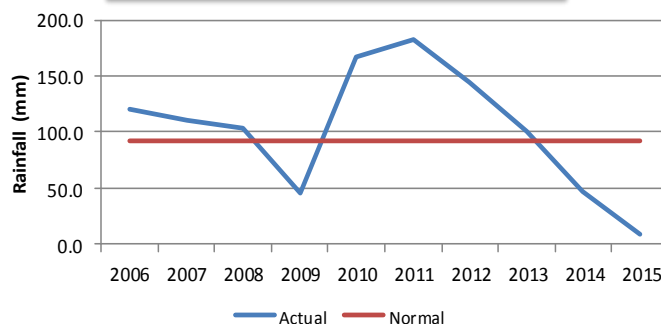
Volume 2, Issue 28

July 2016

NORMAL JULY CONDITIONS

Rainfall Total	63.4 mm – 106.4 mm	3– 4 in.
Avg. No. of Rain days	13 days	
Daily Average Temperature	28.6°C	85°F
Avg. Max. Temperature	31.7°C	89 °F
Avg. Min. Temperature	26.2°C	79°F
Avg. Daily Hours of Sunshine	8 hrs	

Actual Vs Normal July Rainfall



Rainfall for the month of July has been above-normal for 7 out of the last 10 years.

We are still experiencing Drought conditions!

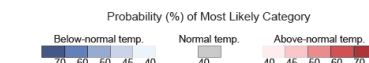
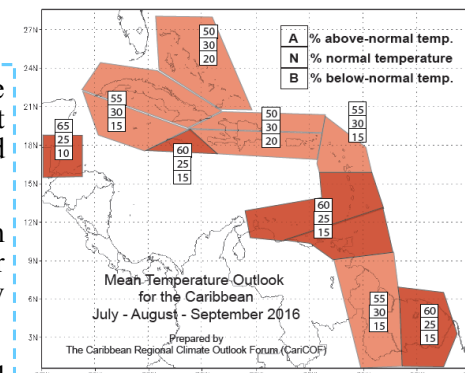
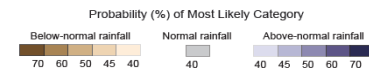
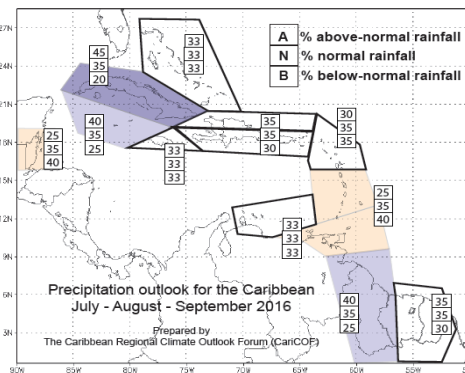
Seasonal Outlook for July to September (JAS) 2016

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 below normal for the season; ‘Jul-September 2016’. It must be noted that there is low predictability in this season’s forecast. Normal rainfall for St. Maarten ranges from 264.2 mm – 348.5 mm/ 10-14in.

In July & August is usually with a mid-summer dry spell while September usually more frequent showers.

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



During mid-June, sea surface temperature anomalies across the Pacific Ocean were near 0 indicating ENSO neutral conditions. Most models indicate a weak La Nina to evolve by late July or August and continuing through March 2017.

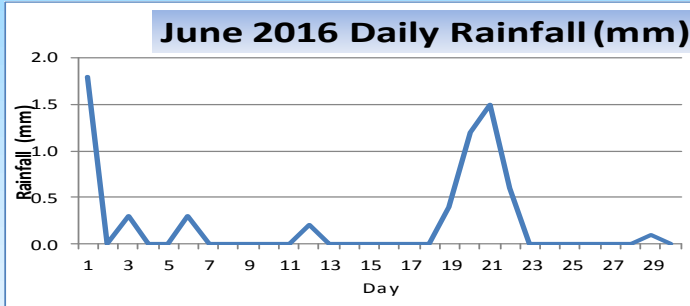
The 2016 Atlantic Hurricane Season continue with two storms forming in June.; Collin and Danielle. NOAA predicts a near normal season. However we could see more storm activity than the last 3 years which were all below -normal.

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

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.

JUNE 2016 IN REVIEW

Rainfall for the month of June was merely 10% of the normal range. A total of 6.4 mm/0.3 inches were recorded. There were only three days of rainfall none of them were heavy. This was the second driest June on record. The driest June was in 2012 when 5.2 mm/0.2 inches were recorded. These dry conditions were influenced by the Atlantic High Pressure System and the presence of Saharan Dust in the atmosphere.



The longest dry spell was 18 days.

Rainfall from Jan. to June	
Normal	362.8–463.1 mm
2015	157.1 mm
2016	224.8 mm

Total Rainfall	6.4 mm	0.3 in.
2016 Cumulative Rainfall	224.8 mm	8.9 in.
Max. 24-Hr. Rainfall	June 1 st	1.8 mm/ 0.1 in.
No. Rain Days (>=1.0 mm)	3 days	
No. Heavy Rain Days (>=10.0 mm)	0 day	
No. Thunderstorm Days	1 day	
Avg. Wind Speed	10 kts.	11 mph
Max. Wind Gust	June 19 th	38 kts. / 44 mph
Avg. Temperature	28.5 °C	83 °F
Max. Temperature	June 18 th	31.7 °C / 89 °F
Min. Temperature	June 19 th	25.0°C / 77 °F

The normal rainfall for June ranges from 37.9 - 65.9 mm /2-3 in.

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

The warmest day was the 18th with an average temperature of 29.0°C/84°F.

The day with the most sunshine hours was the 11th (11hrs :00 min).

The day with the least sunshine hours was the 25th (0 hr: 48 min)

The windiest day was the 19th, with a daily average wind speed of 13 kts. / 15 mph.

Skies were mostly Cloudy during the month of June.

2016 Atlantic Tropical Cyclone Names

Alex: Jan.13 th	Hermine	Otto
Bonnie: May 27 th	Ian	Paula
Colin: Jun. 5 th	Julia	Richard
Danielle: Jun. 20 th	Karl	Shary
Earl	Lisa	Tobias
Fiona	Matthew	Virginie
Gaston	Nicole	Walter