

**Meteorological Department
St. Maarten**

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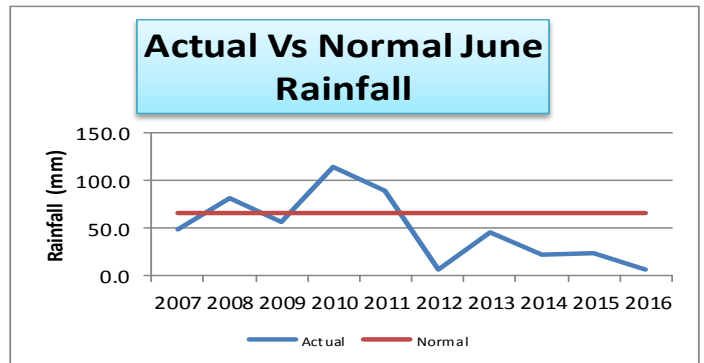
Weather & Climate

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NORMAL JUNE CONDITIONS

Rainfall Total	39.7 mm – 65.9 mm	2– 3 in.
Avg. No. of Rain days	10 days	
Daily Average Temperature	28.7°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	



As temperatures and humidity increases, it will feel increasingly hotter by August.

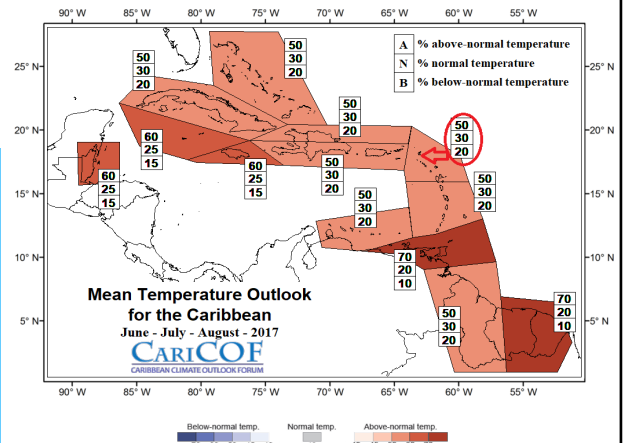
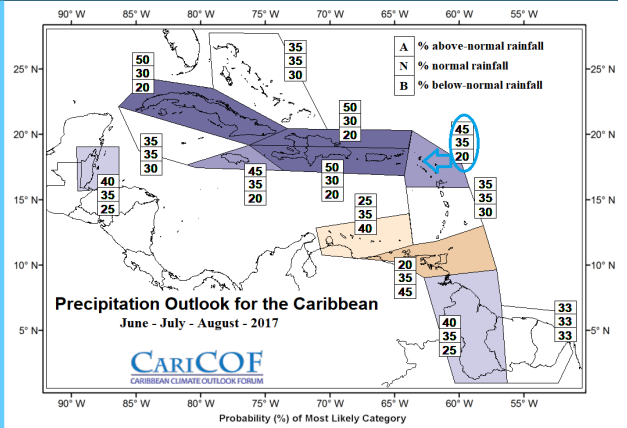
Rainfall for the month of May was below-normal for 7 out of the last 10 years.

Seasonal Outlook for June to August (JJA) 2017

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

Rainfall in the northwest and northeast Caribbean (St. Maarten) and the Greater Antilles, is forecast to be near to above normal for the season June-July-August. Below normal to normal rainfall is forecast for the ABC Islands and Trinidad.

The normal rainfall for St. Maarten ranges from 210.0 mm – 287.7 mm/ 8-11in. During June to August rainfall usually increases as the wet season begins however, in July there is usually a mid-summer dry spell. It is forecast that night time temperatures across St. Maarten and the northeast Caribbean will be above normal and as humidity increases it will become increasingly hot by August.



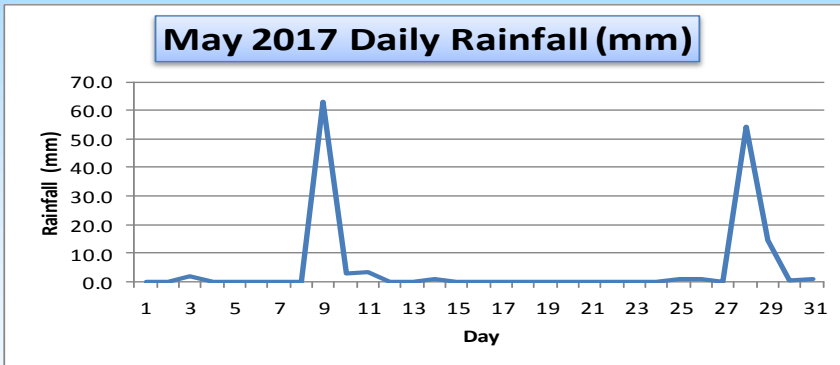
During mid-May 2017, the tropical Pacific remained in an ENSO-neutral state. Sea surface temperature were above average in the eastern Pacific Ocean and near average across the central and east-central parts.

A collection of all ENSO Predicting Models continue to indicate increasing chances of El Nino into the summer/fall of 2017. The strength of the El Nino and when it actually evolves will have an impact on hurricane activity in the Atlantic basin.

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 2017 IN REVIEW

Rainfall for the month of May was above the normal range (56.4-115.2 mm). A total of 143.5 mm/5.6 inches were recorded with only six (6) rain days. There were three (3) heavy rainfall days. During the early morning of May 29th between 2am and 8am (6 hrs) 53.8mm/2 inches of rainfall were measured at the airport. This was as a result of an upper level trough interacting with a tropical wave. An upper level trough also accounted for heavy rainfall on May 9th and 10th. The rest of the month was generally dry. The longest dry spell was 16 days from May 12th to 27th.



The longest dry spell was 16 days.

Rainfall for the year so far is 374.4mm this amount is now within the normal range (279-348mm).
There is NO drought concern at this time.

Total Rainfall	143.5 mm	5.6 in.
2017 Cumulative Rainfall	374.4 mm	14.7 in.
Max. 24-Hr. Rainfall	May 9th	63.2 mm/ 2.5 in.
No. Rain Days (>=1.0 mm)	6 days	
No. Heavy Rain Days (>=10.0 mm)	3 days	
No. Thunderstorm Days	3 days	
Avg. Wind Speed	9 kts.	10 mph
Max. Wind Gust	May 10th	32 kts. / 37 mph
Avg. Temperature	27.3 °C	81 °F
Max. Temperature	May 22nd	30.8 °C / 87 °F
Min. Temperature	May 9th	22.1°C / 72 °F

The average and maximum temperature for May were within the normal range while the minimum temperature was below-normal.

The warmest day was the 21st with an average temperature of 28.3°C/83°F.

The day with the most sunshine hours was the 13th (11hrs :48min).

The day with the least sunshine hours was the 11th (1hr: 18 min).

The windiest days was the 1st & 29th, with a daily average wind speed of 12 kts. / 14 mph.

The highest wind gust was recorded as 32kts/ 37 mph on May 10th.

Skies were mostly cloudy throughout the month with some fair days.

The 2017 Atlantic Hurricane Season began on June 1st. This year NOAA predicts a near normal to above normal season.

This forecast is on the basis that a weak or non-existent El Nino may evolve, near to above average sea surface temperatures across the Atlantic and average or weaker vertical wind shear.

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

2017 Atlantic Tropical Cyclone Names

Arlene	Franklin	Katia	Philippe
Bret	Gert	Lee	Rina
Cindy	Harvey	Maria	Sean
Don	Irma	Nate	Tammy
Emily	Jose	Ophelia	Vince
			Whitney