

**Meteorological Department  
St. Maarten**

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**Weather & Climate**

**MAY 2014 IN REVIEW**

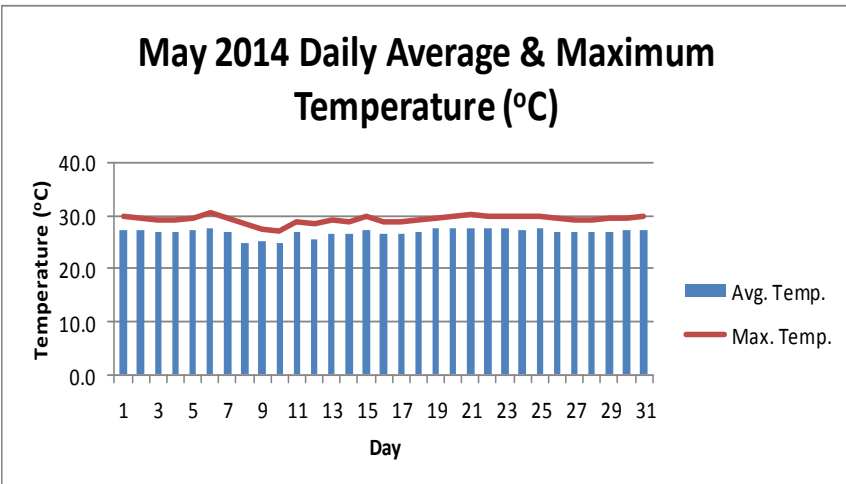
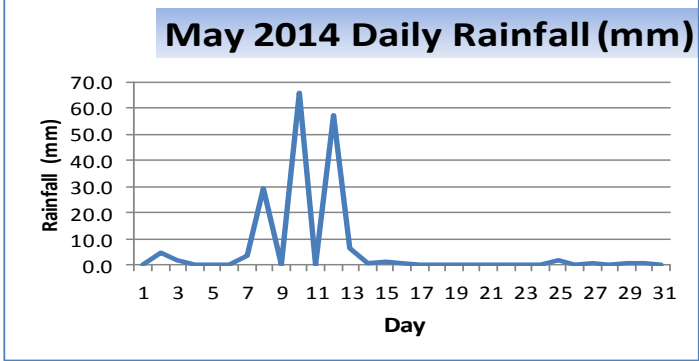
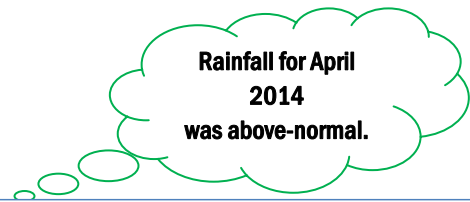
Volume 2, Issue 5

June 2014

During the second week of May an upper level disturbance (trough) brought some instability across the northern portion of the Region. This produced heavy rainfall and thunderstorms over St. Maarten from the 8<sup>th</sup> through 12<sup>th</sup> May. Thereafter, mainly dry conditions persisted as the Atlantic High Pressure Ridge re-established itself across the area. Small craft advisories and cautionary notes were issued throughout the month due to above normal sea conditions.

<b>Total Rainfall</b>	<b>175.1 mm</b>	<b>6.9 in.</b>
<b>2014 Cumulative Rainfall</b>	<b>369.4 mm</b>	<b>2.6 in.</b>
<b>Max. 24-Hr. Rainfall</b>	<b>10<sup>th</sup></b>	<b>65.9 mm/ 2.6 in.</b>
<b>No. Rain Days (&gt;=1.0 mm)</b>	<b>9 days</b>	
<b>No. Heavy Rain Days (&gt;=10.0 mm)</b>	<b>3 day</b>	
<b>No. Thunderstorm Days</b>	<b>4 days</b>	
<b>Avg. Wind Speed</b>	<b>9 kts.</b>	<b>10 mph</b>
<b>Max. Wind Gust</b>	<b>30<sup>th</sup></b>	<b>31 kts. / 36 mph</b>
<b>Avg. Temperature</b>	<b>26.8 °C</b>	<b>80 °F</b>
<b>Max. Temperature</b>	<b>6<sup>th</sup></b>	<b>30.5 °C / 87 °F</b>
<b>Min. Temperature</b>	<b>10<sup>th</sup></b>	<b>21.2 °C / 70 °F</b>

Rainfall this month was above normal. Normal rainfall for May ranges from 48.1-109.2 mm/ 2-4 in. The day with the most rainfall was the 10<sup>th</sup> when 65.9 mm /2.6in. was recorded. The longest dry spell during the month of May was 9 days from the 16<sup>th</sup> to 23<sup>rd</sup>.



The temperatures recorded during the month of May were below normal.

The warmest days were the 6<sup>th</sup> and 22<sup>nd</sup> with an average temperature of 27.7°C/82°F.

Maximum daily sunshine hours was recorded on the 6<sup>th</sup> (11hrs 42 min).

Minimum sunshine hours was recorded on the 9<sup>th</sup> (0 hrs. 06min)

The windiest days were the 13<sup>th</sup> , 15<sup>th</sup> and 23<sup>rd</sup> with a daily average wind speed of 11 kts. / 13mph.

Skies were mostly cloudy throughout May.

Please note that all data was recorded at the Princess Juliana International Airport and may not necessarily reflect conditions at other points on country Sint Maarten.

## JUNE AT A GLANCE

June 2012 is the driest  
June on record!

Normal Rainfall Total	43.0 mm – 72.1 mm	2 – 3 in.
Driest June	2012	3.1 mm/ 0.1in.
Wettest June	1956	220.0mm/ 8.7in
Normal No. of Rain days	9 days	
Normal Daily Average Temperature	28.1 °C – 28.6 °C	83 – 84 °F
Normal Max. Temperature	32.3°C – 32.9°C	90 – 91°F
Normal Min. Temperature	23.2 °C – 24.0°C	74 – 75°F
Avg. Daily Hours of Sunshine	8 hrs. 00min.	

Hurricane Season:  
June 1<sup>st</sup> to November 30<sup>th</sup>.

### Seasonal Outlook

Wet Season  
Begins!

It is predicted that this year we will have an average to below-average Atlantic Hurricane Season. 8-13 named storms, 3-6 hurricanes with 1-2 major hurricanes (NOAA).

Remember, that it takes only one major hurricane to make landfall on our island to make it an active season for us. We must also reiterate that other hydro-meteorological features such as heavy rainfall events can have impacts on our lives.

#### The Names for the storms for 2014 are:

Arthur	Hanna	Omar
Bertha	Isaias	Paulette
Cristobal	Josephine	Rene
Dolly	Kyle	Sally
Edouard	Laura	Teddy
Fay	Marco	Vicky
Gonzalo	Nana	Wilfred

For more information on the 2014 Hurricane Season go to <http://www.meteosxm.com/2014-tropical-atlantic-hurricane-season/>

#### According to the Caribbean Outlook Forum : [www.cimh.edu.bb/?p=precipoutlook](http://www.cimh.edu.bb/?p=precipoutlook)

The precipitation outlook for the season ‘June-July-August’ indicates that there is expected to be a delayed start of the wet season in the Eastern Caribbean. Some heavy rainfall is expected in June, with July drier than June and August even drier.

However, there is an increased risk of tropical storms in the month of August (peak of season). Overall for the next 3-months rainfall is expected to be below normal while temperature is expected to be near normal to above normal.

Sea Surface Temperatures (SSTs) are presently above normal around the northern island but below normal east of the Lesser Antilles. Above normal SSTs expected to remain in the north.

It is likely that El Nino conditions will begin by the end of August.

#### Impact:

Risk of flooding, pests & vector borne diseases during heavy rainfall events.