

# Meteorological Department

St. Maarten

www.meteosxm.com

## Weather & Climate

### APRIL 2014 IN REVIEW

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May 2014

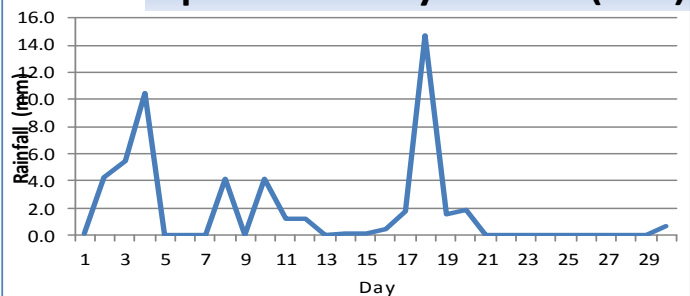
During the month of April the Atlantic High Pressure Ridge was the main influencing factor on our weather pattern. However, a weak frontal boundary was responsible for some heavy rainfall experienced on the fourth (4<sup>th</sup>) while increase moisture in the lower levels produced heavy rainfall on the 18<sup>th</sup>. Small craft advisories and cautionary notes were issued throughout the month due to above normal sea conditions.

Total Rainfall	52.3 mm	2.1 in.
2014 Cumulative Rainfall	194.3 mm	7.7 in.
Max. 24-Hr. Rainfall	18 <sup>th</sup>	14.7 mm/ 0.6 in.
No. Rain Days (>=1.0 mm)	11 days	
No. Heavy Rain Days (>=10.0 mm)	2 day	
No. Thunderstorm Days	None	
Avg. Wind Speed	9 kts.	10 mph
Max. Wind Gust	18/19 <sup>th</sup>	29 kts. / 33 mph
Avg. Temperature	26.4 °C	80 °F
Max. Temperature	30 <sup>th</sup>	30.0 °C / 86 °F
Min. Temperature	4 <sup>th</sup>	22.3 °C / 72 °F

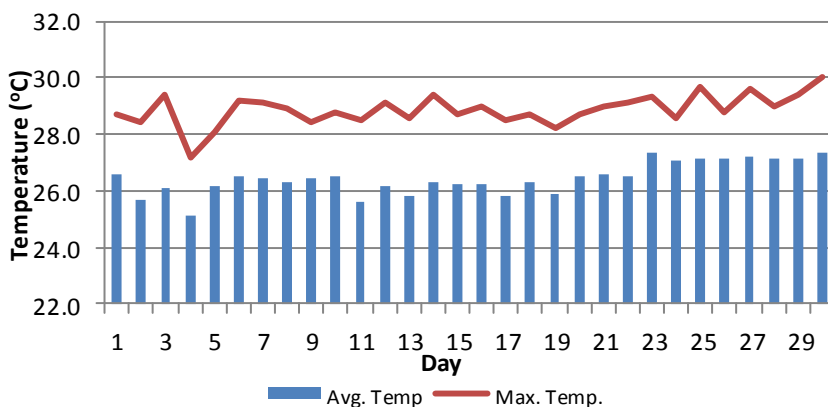
Rainfall this month was within the normal range. Normal rainfall for April ranges from 41.7-74.0 mm/ 2-3 in. The longest dry spell during the month of April was the last 10 days of the month. The day with the most rainfall was the 18<sup>th</sup> when 14.7 mm was recorded.

Rainfall for April 2014 was normal.

#### April 2014 Daily Rainfall (mm)



#### April 2014 Daily Average & Maximum Temperature (°C)



The Minimum and average daily temperatures were within the normal range for the month of April while the maximum temperature was below normal.

The warmest days were the 23<sup>rd</sup> and 30<sup>th</sup> with an average temperature of 27.3°C/81°F.

Maximum daily sunshine hours was recorded on the 28<sup>th</sup> (11hrs 24 min).

Minimum sunshine hours was recorded on the 5<sup>th</sup> (3 hrs. 54min)

The windiest day was the 18<sup>th</sup> with a daily average wind speed of 15 kts. / 17mph.

Skies were mostly fair throughout April.

## MAY AT A GLANCE

May 1974 is the driest May on record!

Normal Rainfall Total	48.1 mm – 109.2 mm	2 – 4 in.
Driest May	1974	7.4 mm/ 0.3in.
Wettest May	1969	344.8mm/ 13.6in
Normal No. of Rain days	10 days	
Normal Daily Average Temperature	27.1 °C – 27.8 °C	81 – 82 °F
Normal Max. Temperature	31.5°C – 32.4°C	89 – 90°F
Normal Min. Temperature	22.4 °C – 23.3°C	72 – 74°F
Avg. Daily Hours of Sunshine	8 hrs. 00min.	

Start of wet season in May.  
More frequent heavy rain in June & July a bit drier.

## Seasonal Outlook

Wet Season Begins!

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

- ◆ The climate outlook for the season ‘May-June-July’ is expected to begin the wet season. Some heavy rainfall is expected in May, with frequent heavy rainfall in June and July a bit drier than June.
- ◆ Overall for these 3-months rainfall is expected to be below normal while temperature is expected to be normal to above normal.
- ◆ Sea Surface Temperatures (SSTs) are presently slightly above normal and are forecasted to remain above normal throughout the season.
- ◆ Moisture in the atmosphere is expected to increase slightly during June-July.

### Impact:

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