

**Meteorological Department
St. Maarten**

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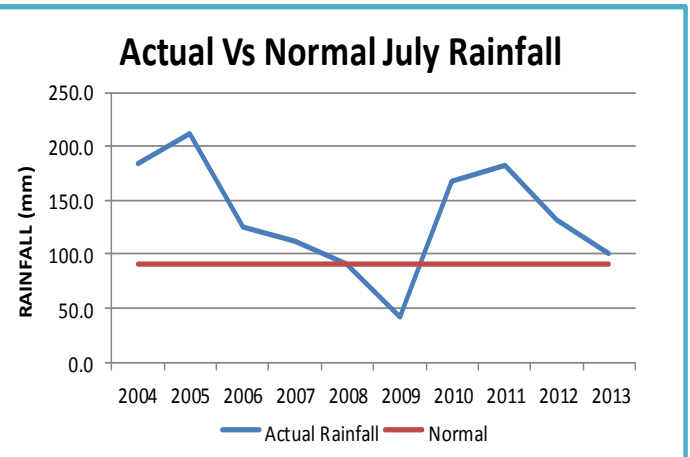
Weather & Climate

Volume 2, Issue 6

July 2014

NORMAL JULY CONDITIONS

Rainfall Total	61.7 mm – 105.6 mm	2 – 4 in.
No. of Rain days	13 days	
Daily Average Temperature	28.3°C – 28.6 °C	83 – 84 °F
Max. Temperature	32 °C	90 °F
Min. Temperature	26 °C	79°F
Avg. Daily Hours of Sunshine	8 hrs	



We are in the Hurricane Season!.

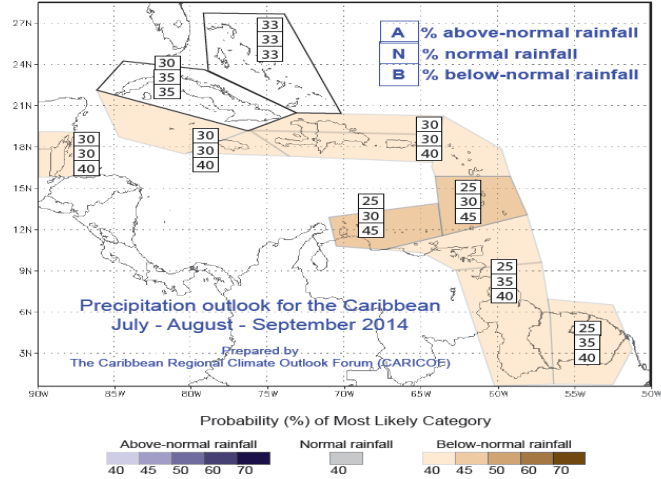
Rainfall for the month of July has been trending to near-normal to below-normal over the past ten years.

Seasonal Outlook for July to September

According to the Caribbean Outlook Forum : www.cimh.edu.bb/?p=precipoutlook

The precipitation outlook for the season ‘July-August -September’ which is normally the ‘wet season’ is expected to drier than normal.

Temperature for most of the Caribbean is forecast to be near-normal to above-normal for the same period.



Present observations are indicating that the sea surface temperatures in the Eastern Pacific are warming. Forecasts show that El Nino conditions may develop this season.

El Nino is associated with drier conditions and less frequency of storms across the Caribbean.

However, as we approach August and September (peak of season) the threat of tropical storms & hurricanes increases.

IMPACTS:

This season:

- ◆ Increase risks of bush fires.
- ◆ Heat stress.
- ◆ Less available Soil moisture.
- ◆ Risks of storms/hurricanes

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 2014 IN REVIEW

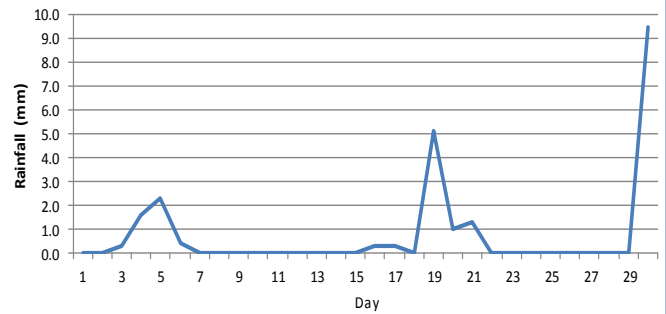
June 2014 was very dry. Saharan Dust influenced hazy conditions throughout the month restricting rainfall activity. However on the last day of June (30th) a weak tropical wave passing through the Antilles contributed the majority of this month's total.

**No Tropical Cyclones
were formed in June!**

Total Rainfall	22.1 mm	0.9 in.
2014 Cumulative Rainfall	391.5 mm	15.4 in.
Max. 24-Hr. Rainfall	30th	9.5 mm/ 0.4 in.
No. Rain Days (>=1.0 mm)	6 days	
No. Heavy Rain Days (>=10.0 mm)	0 days	
No. Thunderstorm Days	1 days	
Avg. Wind Speed	10 kts.	12 mph
Max. Wind Gust	30th	36 kts. / 41 mph
Avg. Temperature	27.9 °C	82 °F
Max. Temperature	26th	31.7 °C / 89 °F
Min. Temperature	30th	23.8 °C / 75 °F

Rainfall this month was below-normal (68%). Normal rainfall for June ranges from 43.0– 72.1 mm/ 2-3 in. The day with the most rainfall was the 30th when 9.5 mm/0.4in. was recorded. The longest dry spell during the month of June was 13 days from the 6th to 18th.

June 2014 Daily Rainfall (mm)



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:

- | | | |
|------------------|------------------|-----------------|
| <i>Arthur</i> | <i>Hanna</i> | <i>Omar</i> |
| <i>Bertha</i> | <i>Isaias</i> | <i>Paulette</i> |
| <i>Cristobal</i> | <i>Josephine</i> | <i>Rene</i> |
| <i>Dolly</i> | <i>Kyle</i> | <i>Sally</i> |
| <i>Edouard</i> | <i>Laura</i> | <i>Teddy</i> |
| <i>Fay</i> | <i>Marco</i> | <i>Vicky</i> |
| <i>Gonzalo</i> | <i>Nana</i> | <i>Wilfred</i> |

The temperatures recorded during the month of June were near-normal to below normal.

The warmest days were the 26th with an average temperature of 28.7°C/84°F.

Maximum daily sunshine hours was recorded on the 24th (11hrs 30 min).

Minimum sunshine hours was recorded on the 29th (2 hrs. 12min)

The windiest days were the 6th ,with a daily average wind speed of 12 kts. / 14mph.

Skies were mostly cloudy throughout the month of June.

**Be Prepared! Be Alert!
Ready to take Action!**