

**Meteorological Department
St. Maarten**

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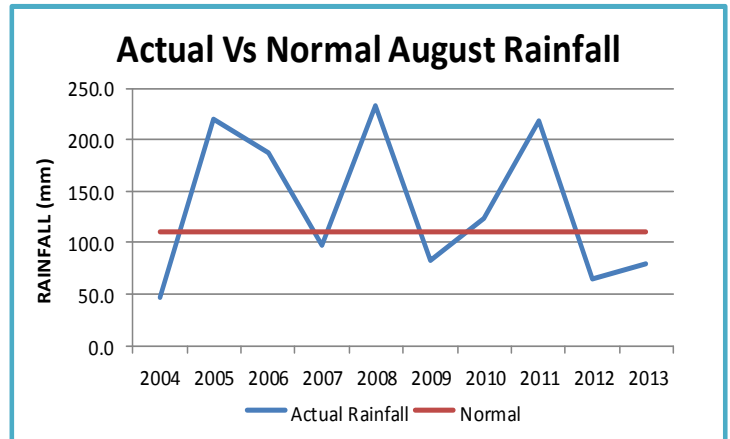
Weather & Climate

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August 2014

NORMAL AUGUST CONDITIONS

Rainfall Total	78.1 mm – 121.6 mm	3 – 5 in.
No. of Rain days	15 days	
Daily Average Temperature	28.5°C – 28.7 °C	83 – 84 °F
Max. Temperature	32 °C	90 °F
Min. Temperature	26 °C	79°F
Avg. Daily Hours of Sunshine	9 hrs	



We are in the Hurricane Season!.

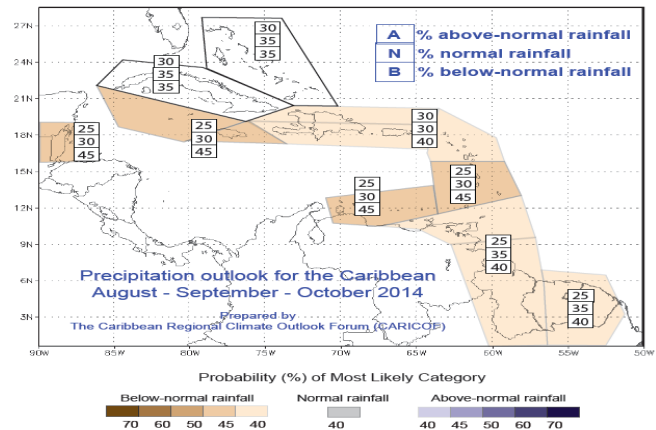
Rainfall pattern for the month of August over the past ten years.

Seasonal Outlook for August to October

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

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

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



IMPACTS:

This season:

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

Present observations are indicating that the sea surface temperatures in the Eastern Pacific continue to warm.

Forecasts show that a weak to moderate El Nino may develop this season.

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

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

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.

JULY 2014 IN REVIEW

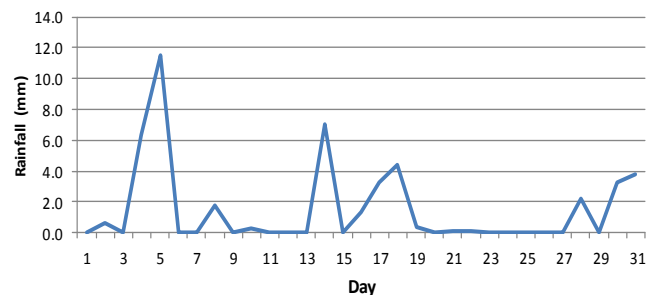
The dry trend continued in the month of July. Saharan Dust influenced hazy conditions and a few tropical waves passed through the area however no significant rainfall was recorded. Tropical Storm Bertha formed on July 31st east of the Lesser Antilles with no significant impact on St. Maarten.

Total Rainfall	46.4 mm	1.8 in.
2014 Cumulative Rainfall	437.9 mm	17.2 in.
Max. 24-Hr. Rainfall	Jul. 5th	11.5 mm/ 0.5 in.
No. Rain Days (>=1.0 mm)	10 days	
No. Heavy Rain Days (>=10.0 mm)	1 days	
No. Thunderstorm Days	0 days	
Avg. Wind Speed	10 kts.	12 mph
Max. Wind Gust	Jul. 5th	34 kts. / 39 mph
Avg. Temperature	28.3 °C	83 °F
Max. Temperature	Jul. 27th	31.6 °C / 89 °F
Min. Temperature	Jul. 5th	23.7 °C / 75 °F

Tropical Storms Arthur & Bertha formed in July!

Rainfall total was 48% below the normal July total. Normal rainfall for July ranges from 61.7– 105.6 mm/ 2-4 in. The day with the most rainfall was the 5th when 11.5 mm/0.5in. was recorded. The longest dry spell during the month of July was 9 days from the 19th to 27th.

July 2014 Daily Rainfall (mm)



Updated predictions from NOAA increases the likelihood of a below-average 2014 Atlantic Hurricane Season. 7-12 named storms, 3-6 hurricanes and 0-2 major hurricanes are predicted.

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

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

The warmest days were the 26th and 27th with an average temperature of 28.9°C/84°F.

Maximum daily sunshine hours was recorded on the 29th (11hrs 06 min).

Minimum sunshine hours was recorded on the 26th (5 hrs. 06min)

The windiest day was the 24th ,with a daily average wind speed of 13 kts. / 15mph.

Skies were mostly cloudy throughout the month of July.

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