

Meteorological Department St. Maarten

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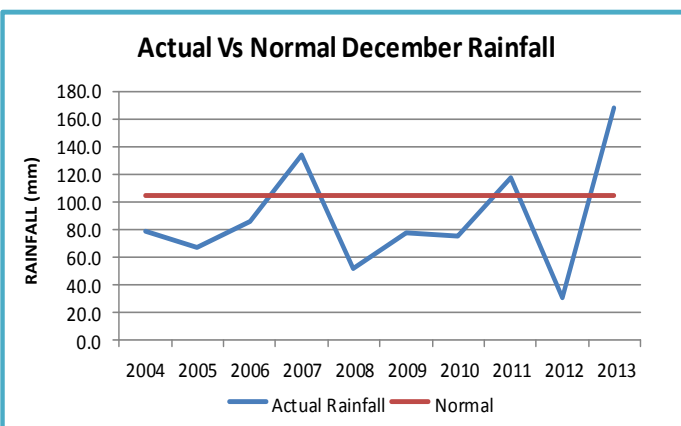
Weather & Climate

Volume 2, Issue 11

December 2014

NORMAL DECEMBER CONDITIONS

Rainfall Total	76.1 mm – 109.7 mm	3 – 4 in.
No. of Rain days	14 days	
Daily Average Temperature	25.8°C – 26.4 °C	78 –80 °F
Max. Temperature	29°C	85 °F
Min. Temperature	25 °C	77°F
Avg. Daily Hours of Sunshine	8 hrs	



We are beginning the dry season !.

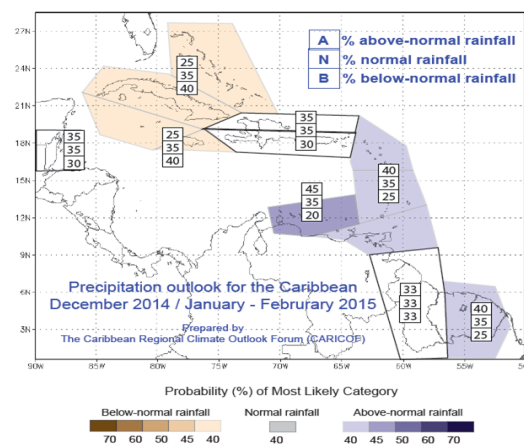
Rainfall for the month of December over the past 10 years had been below-normal 7 out of 10 years.

Seasonal Outlook for December to February 2015

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

The precipitation outlook for the season ‘December – February’ is likely to be above normal to normal. Normal rainfall for this season between 172.0—260.0 mm/7-10 in.

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 nearly 0.8°C above average. Models are indicating that temperatures will continue to rise and forecast a weak El Nino will develop this season.

El Nino is associated with drier conditions across the Caribbean.

Drought conditions are evolving over E. Jamaica, Puerto Rico and portions of the Leeward and Windward Islands.

These areas should be prepared and keep updated throughout the season.

NEGATIVE IMPACTS:

This season:

- ◆ Increase risks of bush fires & heat stress during drier periods.
- ◆ Risk of vector borne diseases since some mosquitos thrive in warm temperatures.

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.

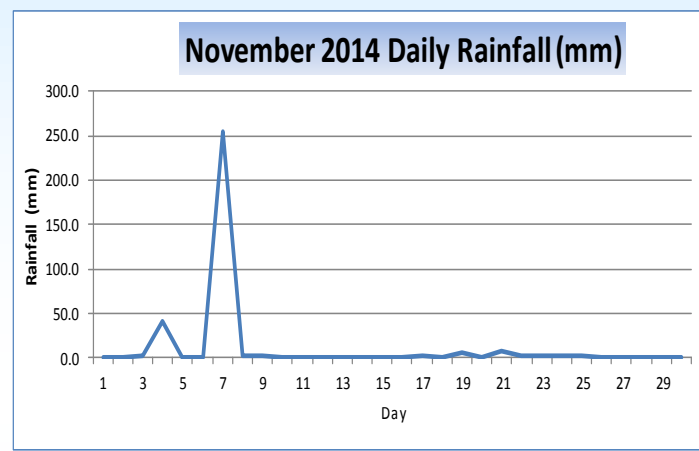
NOVEMBER 2014 IN REVIEW

Rainfall amount for November was almost 2 times the normal monthly total due to heavy rainfall on November 7th. The island experienced severe flooding and 255mm / 10 inches of rainfall was recorded at the airport in a 24-hr period. This broke the record of the highest 24-hour rainfall total; the previous record was November 18th 1999 during Hurricane Lenny (254.2 mm).

Total Rainfall	327.8 mm	12.9 in.
2014 Cumulative Rainfall	1120.3 mm	44.1 in.
Max. 24-Hr. Rainfall	Nov. 7th	255.0 mm/ 10 in.
No. Rain Days (>=1.0 mm)	14 days	
No. Heavy Rain Days (>=10.0 mm)	2 day	
No. Thunderstorm Days	5 days	
Avg. Wind Speed	10 kts.	12 mph
Max. Wind Gust	Nov. 19th	32 kts. / 37 mph
Avg. Temperature	27.7 °C	82 °F
Max. Temperature	Nov. 1st	31.1 °C / 88 °F
Min. Temperature	Nov. 8th	22.1 °C / 72 °F

No Tropical Storms or hurricanes were formed in November !

The normal rainfall for November ranges from 93.8– 174.4 mm/ 4-7 in. The day with the most rainfall was the 7th (255.0mm/10.0in.) The longest dry spell during the month of November was 5 days.



The 2014 Atlantic Hurricane Season came to an end on November 30th. NOAA's latest prediction was for a below-average season with 7-12 named storms, 3-6 hurricanes with 0-2 major hurricanes. Actually, there were 8 named storms, 6 hurricanes with 2 major hurricanes.

The temperatures recorded during the month of October varied from below normal to above normal. The warmest day was the 3rd with an average temperature of 28.9°C/84°F.

- The storms/hurricanes for 2014:**
- Arthur* - hurricane
 - Bertha* - hurricane
 - Cristobal* - hurricane
 - Dolly* - Tropical Storm
 - Edouard* - Major hurricane
 - Fay* - hurricane
 - Gonzalo* - Major hurricane
 - Hanna* - Tropical Storm

St. Marten was threaten by **TS Bertha** at the beginning of August with no significant effects felt. In October **TS Gonzalo** passed approximately 20 miles away leaving the island with minimal infrastructural damage.

The days with the most sunshine hours were the 5th & 10th (10hrs 12 min). The day with the least sunshine hours was the 7th (0 hrs. 06min) The windiest days were the 23rd & 25th, with a daily average wind speed of 14 kts. / 16 mph. Skies were mostly cloudy during the month of November.

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