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## Meteorological Department St. Maarten

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# Weather & Climate

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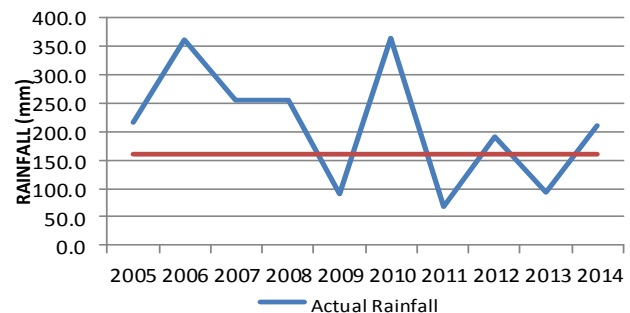
October 2015

## NORMAL OCTOBER CONDITIONS

|                              |                    |           |
|------------------------------|--------------------|-----------|
| Rainfall Total               | 99.9 mm – 180.9 mm | 4 – 7 in. |
| Avg. No. of Rain days        | 14 days            |           |
| Daily Average Temperature    | 28.2°C             | 83°F      |
| Avg. Max. Temperature        | 31.4°C             | 89°F      |
| Avg. Min. Temperature        | 25.8°C             | 78°F      |
| Avg. Daily Hours of Sunshine | 8 hrs              |           |

**We are in the  
Hurricane  
Season !.**

### Actual Vs Normal October Rainfall



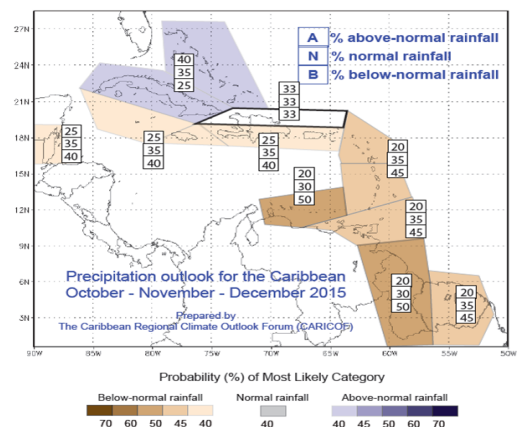
Rainfall for the month of October has been above-normal for 7 out of the last 10 years.

## Seasonal Outlook for October to December (OND)2015

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 'Oct.- Dec.' is expected to be below-normal to near-normal. Normal rainfall for this season ranges between 307.2 mm -499.3 mm/ 12-20in. For 2015 season, rainfall is most likely to be below-normal with fewer wet days and wet spells than usual.

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



NOAA's latest 2015 Atlantic Hurricane Season forecast called for a slightly below average season. About 6-10 named storms of which 1 -4 may become hurricanes and 0-1 being a major hurricane.

So far, we have had **10 named storms** and **3 hurricanes** 2 of which were major. During the months of October and November the most active development areas are the Gulf of Mexico and the western Caribbean Sea.

However, we should not let our guards down. Remember that heavy rainfall events can also have significant impacts on our lives it doesn't have to be a storm or hurricane.

### 2015 Atlantic Storms

|           |          |        |
|-----------|----------|--------|
| ANA       | HENRI    | ODETTE |
| BILL      | IDA      | PETER  |
| CLAUDETTE | JOAQUIN  | ROSE   |
| DANNY     | KATE     | SAM    |
| ERIKA     | LARRY    | TERESA |
| FRED      | MINDY    | VICTOR |
| GRACE     | NICHOLAS | WANDA  |

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.

Rainfall for the month of September was once again below normal making it the tenth consecutive month with below normal rainfall. September 2015 was the driest September since 1986 which had a total of 20.7mm/.8 in. 2015 so far has been the driest year on record with a total of 253.3mm/10in of rainfall since January. This accounts for just 34% of the normal rainfall for that period. The Caribbean Drought Monitoring Network has issued a drought warning for the Leeward Islands including St. Maarten until the end of 2015.

|   |                                  |                         |
|---|----------------------------------|-------------------------|
| <b>Total Rainfall</b>                     | <b>26.4 mm</b>                   | <b>1.0 in.</b>          |
| <b>2015 Cumulative Rainfall</b>           | <b>253.3 mm</b>                  | <b>10.0 in.</b>         |
| <b>Max. 24-Hr. Rainfall</b>               | <b>September 4th</b>             | <b>12.6 mm/ 0.5 in.</b> |
| <b>No. Rain Days<br/>(≥1.0 mm)</b>        | <b>4 days</b>                    |                         |
| <b>No. Heavy Rain Days<br/>(≥10.0 mm)</b> | <b>1 day</b>                     |                         |
| <b>No. Thunderstorm Days</b>              | <b>1 day</b>                     |                         |
| <b>Avg. Wind Speed</b>                    | <b>7 kts.</b>                    | <b>8 mph</b>            |
| <b>Max. Wind Gust</b>                     | <b>September 11<sup>th</sup></b> | <b>34 kts. / 39 mph</b> |
| <b>Avg. Temperature</b>                   | <b>29.1 °C</b>                   | <b>84 °F</b>            |
| <b>Max. Temperature</b>                   | <b>September 22<sup>nd</sup></b> | <b>32.8 °C / 91 °F</b>  |
| <b>Min. Temperature</b>                   | <b>September 22<sup>nd</sup></b> | <b>25.4°C / 78 °F</b>   |

The normal rainfall for September ranges from 94.9–132.7 mm /4-5in.

The longest dry spell was 11 days (Sept. 20 to 30<sup>th</sup>)

The temperatures recorded during the month of September varied from below normal to above normal.

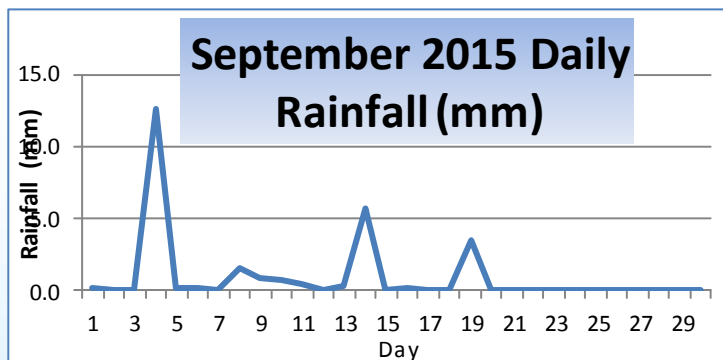
The warmest day was the 30<sup>th</sup> with an average temperature of 29.7°C/86°F.

The day with the most sunshine hours was the 29<sup>th</sup> (11hrs :18 min).

The day with the least sunshine hours was the 12<sup>th</sup> (2 hr: 30min)

The windiest day was the 11<sup>th</sup>, with a daily average wind speed of 14 kts. / 16 mph.

Skies were partly cloudy to cloudy during the month of September.



**Dry Spell in September? !**

**11 days**

#### 2015 Rainfall Deficit

#### Rainfall Total (Jan to Sept.) Princess Juliana Int'l

