

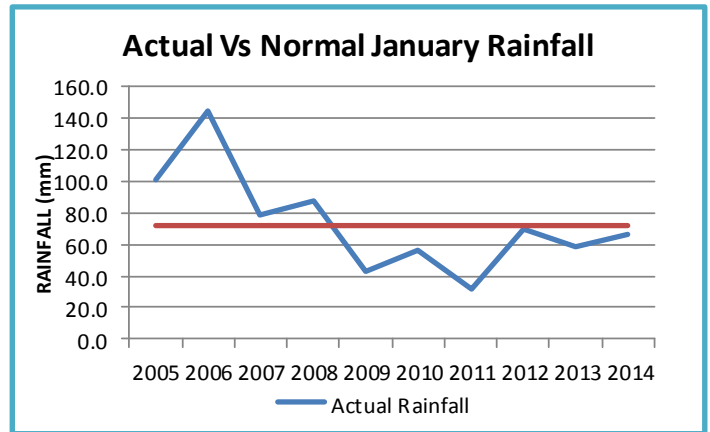
# Weather & Climate

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January 2015

## NORMAL JANUARY CONDITIONS

|                              |                   |           |
|------------------------------|-------------------|-----------|
| Rainfall Total               | 58.1 mm – 81.2 mm | 2 – 3 in. |
| No. of Rain days             | 12 days           |           |
| Daily Average Temperature    | 25.4°C – 25.9 °C  | 78 – 79°F |
| Max. Temperature             | 29°C              | 85 °F     |
| Min. Temperature             | 23°C              | 73°F      |
| Avg. Daily Hours of Sunshine | 8 hrs             |           |



**We are in the the dry season !.**

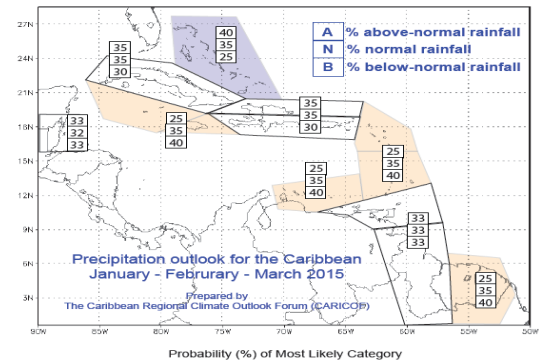
Rainfall for the month of January over the past 10 years had been below-normal 6 out of 10 years.

## Seasonal Outlook for January to March 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 ‘January –March’ is likely to be below-normal to normal. Normal rainfall for this season between 148.9—198.9 mm/6-8 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 0.9°C above average. Models are indicating that temperatures will continue to rise and forecast a weak El Nino by the end of this season.

El Nino is associated with drier conditions across the Caribbean.

Cayman Islands, Jamaica and Haiti have already experienced water shortages. Drought conditions are evolving over portions of the Antilles and Guianas.

### **NEGATIVE IMPACTS:**

**This season:**

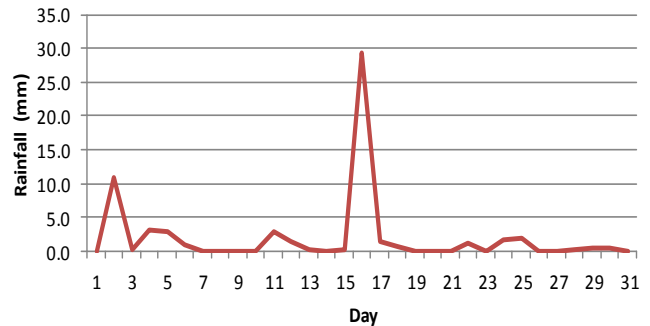
- ◆ Increase risks of bush fires & heat stress during drier periods.
- ◆ Limited risk of vector borne diseases.

## DECEMBER 2014 IN REVIEW

Rainfall amount for December was 42% below the normal monthly total. The passage of a frontal boundary on the 16<sup>th</sup> accounted for almost half of the month's total rainfall.

|                                           |                             |                         |
|-------------------------------------------|-----------------------------|-------------------------|
| <b>Total Rainfall</b>                     | <b>60.5 mm</b>              | <b>2.4 in.</b>          |
| <b>2014 Cumulative Rainfall</b>           | <b>1180.8 mm</b>            | <b>46.5 in.</b>         |
| <b>Max. 24-Hr. Rainfall</b>               | <b>Dec. 16<sup>th</sup></b> | <b>29.4 mm/ 1.2 in.</b> |
| <b>No. Rain Days (&gt;=1.0 mm)</b>        | <b>11 days</b>              |                         |
| <b>No. Heavy Rain Days (&gt;=10.0 mm)</b> | <b>2 day</b>                |                         |
| <b>No. Thunderstorm Days</b>              | <b>0 days</b>               |                         |
| <b>Avg. Wind Speed</b>                    | <b>8 kts.</b>               | <b>9 mph</b>            |
| <b>Max. Wind Gust</b>                     | <b>Dec. 23<sup>rd</sup></b> | <b>28 kts. / 32 mph</b> |
| <b>Avg. Temperature</b>                   | <b>26.4 °C</b>              | <b>80 °F</b>            |
| <b>Max. Temperature</b>                   | <b>Dec. 1<sup>st</sup></b>  | <b>30.2 °C / 86 °F</b>  |
| <b>Min. Temperature</b>                   | <b>Dec. 18<sup>th</sup></b> | <b>22.2 °C / 72 °F</b>  |

### December 2014 Daily rainfall (mm)



The normal rainfall for December ranges from 76.1– 109.7 mm/ 3-4 in. The day with the most rainfall was the 16<sup>th</sup> (29.4mm/1.2in.) The longest dry spell during the month of December was 6 days.

**Extensive Flooding November 7th !**

### 2014 Summary

**Rainfall Total:** 1180.6mm / 46.5 in.

**Wettest month:** November ;327.8mm/ 12.9 in. (Wettest November since 2003)

**Driest month:** March ;10.1mm /0.4 in. (Driest March since 2000)

**Wettest Day:** November 7th; 255.0mm /10 in. (Wettest day since 1999)

**Most # of rainy days:** January; 16 days

**Least # of rainy days:** March & June, 6 days

**Warmest month:** September; 28.8°C/84°F

**Coollest month:** February; 25.6°C/78°F

**Highest Temperature:** August 19<sup>th</sup>; 32.7°C/91°C

**Lowest Temperature:** February 22<sup>nd</sup> & November 8<sup>th</sup> ; 22.1°C/ 72°F

**Most sunshine hours:** March; 296 hrs. 30 min

**Least sunshine hours:** May; 224 hrs. 06 min.

**Windiest month:** January

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

The warmest day was the 14<sup>th</sup> with an average temperature of 27.3°C/81°F.

The days with the most sunshine hours were the 22<sup>nd</sup> & 29<sup>th</sup> (10hrs 24 min).

The day with the least sunshine hours was the 15<sup>th</sup> (1 hr. 12min)

The windiest day was the 30<sup>th</sup>, with a daily average wind speed of 13 kts. / 15 mph.

Skies were mostly fair during the month of December.

**Hurricane Gonzalo grazed  
the island on October  
13th!**