



MONTHLY WEATHER BULLETIN



Volume 9

Issue 2

September 2012

ANNOUNCEMENTS...

As the CAMI project comes to an end, stakeholders will discuss the way forward at a conference planned for November 5 to 7 in Jamaica... CAMI interim reports, regional and national products can be viewed at CAMI website www.cimh.edu.bb/cami... E-discussion of issues related to weather and climate influences on agriculture in the Caribbean is ongoing at <http://mail2.cimh.edu.bb/camionlineforum/>.... The Atlantic Hurricane season ends November 30, visit the National Hurricane Center www.nhc.noaa.gov for weather information and various products.

Weather Summary- September 2012

Total rainfall for September 2012, at E.T. Joshua Airport-Arnos Vale was 141.2mm (5.55 inches). This was less than the September average of 243.9mm. The highest daily rainfall was 39.8mm on the 23rd (See figure 1). Unusually dry air over the Atlantic and island chain resulted in hot dry days and warm nights. There was a six-day dry spell from the 11th to 16th. On the night of the 18th, lightning, heavy thunder, and a downpour ended that heat. Again from the evening of the 22nd to 24th another heavy rainfall event resulted in a few landslips, proving that uneven distribution of rainfall can be more damaging than the actual total.

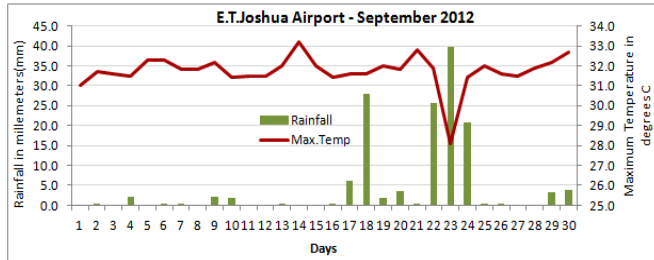


Figure 1. E.T. Joshua Airport rainfall and temperature distribution

The extreme maximum temperature recorded for September was 0.9°C higher than average (using 1981-2010 as the thirty year average.), while the extreme minimum temperature was 0.2°C lower than average. The mean relative humidity was 6.4% below average. (See Table 1)

Table 1. E.T. Joshua Airport Temperatures and Relative Humidity

Sept. 2012	Average Temperature	Extreme Temperature	Extreme Humidity
Max.	31.7 °C	33.2 °C	92%
Min.	25.5 °C	22.8 °C	51 %

October History

The '30-year averages'; rainfall is 280mm with 19 rain-days, mean R.H is 78.1%, temperatures max. and min. are 32.1°C and 23.0°C respectively.

Rainfall Outlook

Most of the Lesser Antilles and Guyana can expect normal to below normal rainfall until November.

Temperature Outlook

2m Air Temperature.... up to 0.5°C above normal
Sea Surface Temperature.... ~1.0°C above normal

As a weak El Niño is in place, trade winds are reduced. However, Caribbean SSTs are more than 0.5°C above normal for the past three months, thus increasing chances for rainfall over the Antilles.

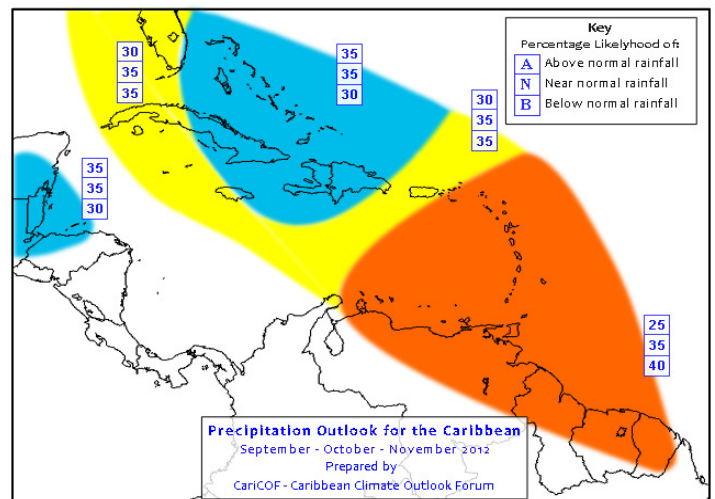


Figure 2. Precipitation Outlook September-October-November 2012

- Belize, Bahamas and some portions of the Greater Antilles... normal to above normal
- Extreme northern Caribbean, western Cuba, western Jamaica, and Hispaniola... below normal to normal
- Antilles and Guyana... below normal (See figure 2)

Moon Phases

New Moon	First Quarter	Full Moon	Last Quarter
October 15	October 21	October 29	October 8
November 13	November 20	November 28	November 13

This bulletin was prepared by the E.T. Joshua Airport- Aeronautical Meteorological staff, with support from the CAMI Project.

We welcome feedback, suggestions, and comments.

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