



# MONTHLY WEATHER BULLETIN



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## ANNOUNCEMENTS....

The formation of a tripartite (meteorologists, farmers and agricultural extension officers) committee at the national level has been recommended and is being pursued.... An e-discussion of issues related to weather and climate influences on agriculture in the Caribbean began on <http://mail2.cimh.edu.bb/camionlineforum/>....

Effective 15th May 2012, the Saffir-Simpson Hurricane Wind Scale (SSHWS) broadens the **Category 4** wind speed range; this means Category 3 is now 111-129 mph, category 4 is now 130-156 mph, and Category 5 is now 157 mph or higher.

## Weather Summary- April 2012

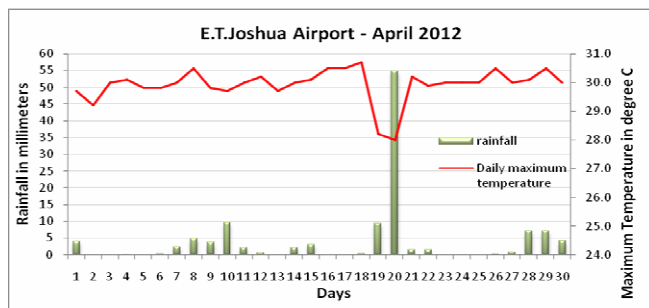


Figure 1. E.T. Joshua Airport April 2012 rainfall distribution

Total rainfall for April 2012 at E.T. Joshua Airport-Arnos Vale, was 120.6 millimeters or 4.74 inches. This was more than the April average of 97mm. The longest consecutive days with rainfall less than 1mm was five days (See figure 1).

A trough and a frontal boundary combined to produce cloudiness and shower activity, which lingered across the area from the 18th to the 21<sup>st</sup>. On the 20<sup>th</sup> April, the highest daily rainfall was recorded, 54.8 mm (over 2 inches). On the last day of the month, we experienced a trough system with cloudiness, showers and thunderstorm activity.

Maximum temperature was 0.5 less, while minimum temperature was 0.9 higher; than the thirty year average (See Table 1).

Table 1. Temperatures and Relative Humidity for April 2012

	Average Temperature	Temperature	Humidity
Max.	29.9 °C	30.7 °C	93%
Min.	24.2 °C	22.8 °C	56 %

## May History

On average, rainfall for May is 114.4mm with 16 rain-days. The average maximum temperature is 31.6°C, and average minimum temperature is 23°C. (Using the period 1981-2010 as a thirty year average.)

## Temperature Outlook

- Expect near normal air temperatures and Sea Surface Temperatures (SST) until June 2012.
- Beyond June, expect above normal air temperatures of about 0.5 °C. This may have negative implications, such as flower abscission. (Abscission process-a plant drops one or more of its parts).

## Rainfall Outlook

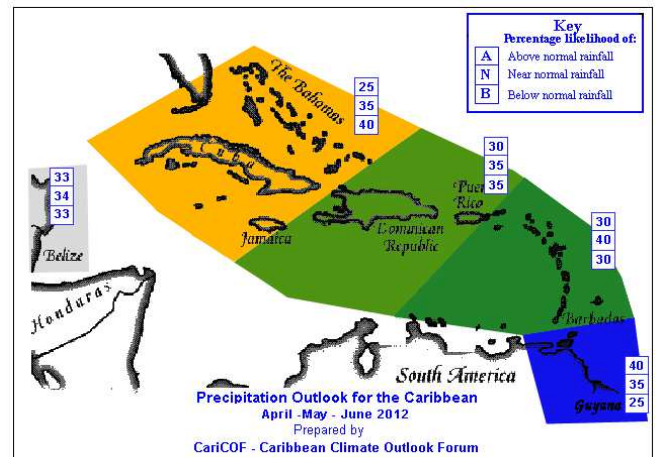


Figure 2. Precipitation Outlook April-May-June 2012

- Northwestern Caribbean ☐ dryer than normal.
- Puerto Rico southeastward to the Windward Islands, and Barbados ☐ normal rainfall.
- Extreme southeastern Caribbean ☐ above normal rainfall (See figure 2).

## Moon Phases

New Moon	First Quarter	Full Moon	Last Quarter
May 20	March 28	March 5	March 12
June 19	June 26	June 4	June 11

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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