



MONTHLY WEATHER BULLETIN



Volume 5

Issue 2

May 2012

ANNOUNCEMENTS...

Local meteorologists, farmers and agricultural extension officers to form committee soon...Workshop in crop water use and irrigation management to be held from 4 to 8 June 2012...A second round of farmer's forum are scheduled for July 2012...E-discussion of issues related to weather and climate influences on agriculture in the Caribbean is ongoing at <http://mail2.cimh.edu.bb/camionlineforum/>... Results from a Caribbean Climate Change Indices workshop held in early May will be published soon...**New Saffir-Simpson Hurricane wind speed range: Category 3 is 111-129 mph, category 4 is 130-156 mph, and Category 5 is 157 mph or higher. Historically, June to November is our rainy-season/ Hurricane Season for the Atlantic and Caribbean Basin...Be prepared!!!**

Weather Summary- May 2012

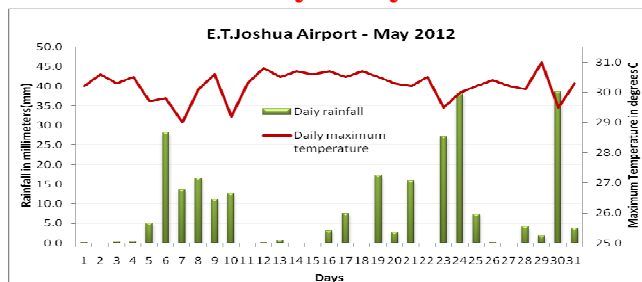


Figure 1. E.T. Joshua Airport rainfall and temperature distribution

Total rainfall for May 2012 at E.T. Joshua Airport-Arnos Vale, was 257.3 mm (10.11 inches). This was more than two times the May average of 114.4mm. A trough system interacting with the ITCZ resulted in flooding and landslides on the northeastern side of mainland St. Vincent on the 10th. (See figure 1). Then a tropical wave with moderate to isolated strong convection interacted with an upper level trough on the 23rd and 24th, resulted in small scale flooding and landslides in vulnerable areas. On the 30th, a weak tropical wave passed SVG with more showers. Maximum and minimum temperatures were lower than average 0.6 and 0.2 °C respectively. (See Table 1). Occasionally, Saharan dust haze reduced visibility.

Table 1. Temperatures and Relative Humidity for May 2012

	Average Temperature	Temperature	Humidity
Max.	30.2 °C	31.0 °C	93%
Min.	24.4 °C	23.0 °C	64 %

(Using 1981-2010 as a thirty year average.).

June History

On average, rainfall for June is 202.6mm with 19 rain-days. The average maximum temperature is 31.5°C, and average minimum temperature is 23°C. June marks the start of our rainy/hurricane season.

National Oceanic and Atmospheric Administration forecast a near normal hurricane season with 9 to 15 storms; 4 to 8 becoming hurricanes, and 1 to 3 major hurricanes. Two storms (Alberto, Beryl) already named, were no threat to our islands.

Temperature Outlook

- Beyond June, expect an increase in 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

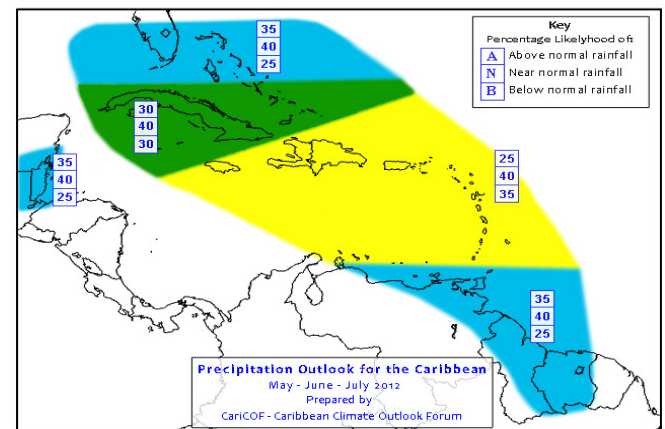


Figure 2. Precipitation Outlook May-June-July 2012

- Extreme northern and western Caribbean, as well as Trinidad and Tobago, Guyana and Suriname...normal to above normal. (See figure 2)
- Cuba normal rainfall.
- Jamaica, Hispaniola, southeastward to the Lesser Antilles...normal to below normal.

Moon Phases

New Moon	First Quarter	Full Moon	Last Quarter
June 19	June 26	June 4	June 11
July 19	July 26	July 3	July 10

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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