

***MINISTRY OF AGRICULTURE
HYDROMETEOROLOGICAL SERVICE***

WEATHER BRIEF for Sunday, September 03, 2017 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00 hrs Sunday September 03, 2017, were available for most of the stations.

The highest rainfall of 73.6mm was recorded at Wales Front W.B.D Region 3.

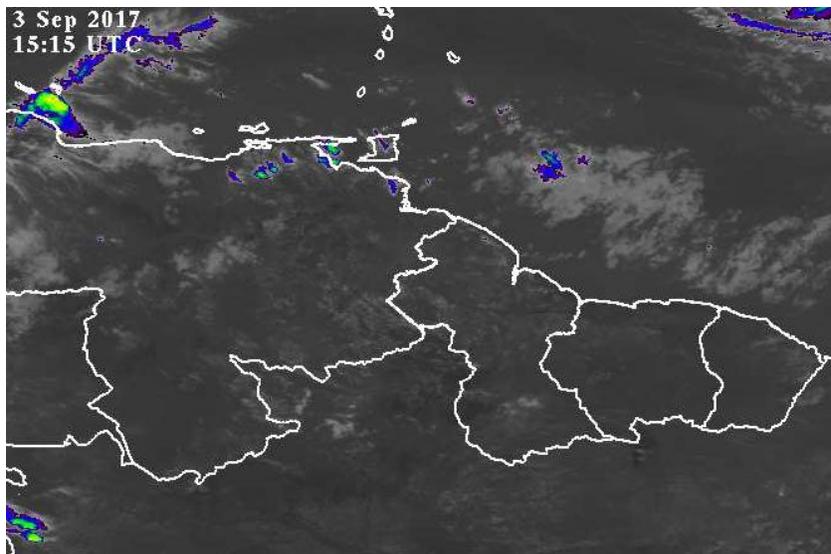
Synopsis: Weak instabilities are affecting Guyana.

Today's weather review: Fair and sunny to occasionally cloudy skies were observed across Guyana with few passing showers.

Table # 1 Weather forecast for the next Twenty-four hours.

Sunday September 03, 2017 (19:00 hrs – 07:00 hrs)			Monday September 04, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions		Regions	Weather Conditions	
Regions 1 to 10	 Rainfall between: 0.0 mm to 15.0 mm.	Partly cloudy skies will be observed across Guyana becoming cloudy at times in coastal areas with a few passing showers in the early morning. <u>Winds:</u> mostly light <u>Minimum temperatures:</u> Coast: 23 °C – 26°C Hinterland: 21 °C – 24°C	Regions 1 to 10	 Rainfall between: 0.0 mm and 25.0 mm	Cloudy skies with scattered to occasional showers can be expected across Guyana. Isolated thunderstorms may be observed in some locations. <u>Winds:</u> light to breezy at times <u>Maximum temperatures:</u> Coast: 29 °C – 31°C Hinterland: 28 °C – 32 °C

The long-term daily average rainfall for Georgetown, for the next 10 days, September 03 to September 12, 2017 is 2.9 mm per day.



Infra-red Satellite image valid 15:15 UTC (11:15 hrs) Sunday September 03, 2017

Table # 2 Occurrences of high and low tides for the next 24 hours and the times for sunrise and sunset.

Warnings: **CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE WARNING WILL BECOME EFFECTIVE FROM TOMORROW MONDAY SEPTEMBER 4, 2017 AND WILL CONTINUE UNTIL MONDAY SEPTEMBER 11, 2017.**

Tonight September 03,2017)	Tomorrow Morning (September 04, 2017)	Tomorrow Afternoon (September 04, 2017)	
Low Tide 20:35hrs Height 1.00m	High Tide 02:42hrs Height 2.84m Above normal Low Tide 08:55hrs Height 0.61m	High Tide 15:08hrs Height 2.75m Above normal	
Sunrise	05:44hrs	Sunset	17:57hrs

Sea conditions: **MODERATE SEAS WITH WAVES REACHING HEIGHTS OF 2.0 TO 2.5 METERS IN OPEN WATERS**

Extended Forecast

Tuesday, Cloudy skies with scattered to occasional showers can be expected across Guyana. Isolated thunderstorms may be observed in some locations. **Rainfall is expected between 0.0 mm to 25.0 mm**

Wednesday, generally overcast skies with frequent showers and possible rain in some areas. Showers may be accompanied by isolated thunderstorm. **Rainfall is expected between 10.0 mm to 45.0 mm.**

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Thursday and Friday, Cloudy skies with scattered to occasional showers can be expected across Guyana. Isolated thunderstorms may be observed in some locations. **Rainfall is expected between 0.0 mm to 25.0 mm.**

Saturday, generally sunny skies can be expected throughout Guyana with afternoon thundershowers in near inland and inland areas. **Rainfall is expected between 0.0 mm to 15.0 mm.**

Seasonal Information (UPDATED 10 August, 2017) – ENSO alert status: Not Active

ENSO-neutral is favored (~85% chance during Jul-Sep, decreasing to ~55% during Dec-Feb) through the Northern Hemisphere winter 2017-18.

According to the ENSO update issued on Thursday 10 August, 2017, by the Climate Prediction Centre, during July, ENSO-neutral continued, as equatorial sea surface temperatures (SSTs) were near average across most of the Pacific Ocean. The upper-ocean heat content anomaly was near average during Jul, reflecting below-average temperatures along the thermocline across the central and eastern Pacific overlain by slightly above-average temperatures. Tropical convection was near average over the eastern half of the Pacific and enhanced over the western Pacific and the Maritime Continent. The lower-level trade winds were slightly enhanced near the International dateline, and upper-level winds were near average over most of the tropical Pacific. Overall, the ocean and atmosphere system remains consistent with ENSO-neutral.

The majority of models favor ENSO-neutral through the remainder of 2017. These predictions, along with the demise of the recent Pacific warmth and continued near-average atmospheric conditions over the Pacific, lead forecasters to favor ENSO-neutral through to March 2018. However, some chance for El Niño (15-20%) or La Niña (25-30%) remains during December 2017 to March 2018. Also, ENSO-neutral conditions are predicted for the upcoming peak months (August-October) of the Atlantic hurricane season.

The latest Caribbean Climate Outlook Forum (CARICOF) precipitation outlook, for the period August-September-October indicates that Guyana has equal probability of above-normal, normal and below normal. For a Regional forecast please see the Guyana's Seasonal Climate Outlook August-September-October produced by the Climatological section of the Hydrometeorological Service. Surface analysis shows that the Inter-tropical Convergence Zone (ITCZ) is currently oscillating mostly between 06 ° North to 10 ° north. Additionally, the tropical waves are now passing further north. These and other dynamic and thermodynamic features in the atmosphere indicate that Guyana is in the second dry season of the year. Considering the present conditions and forecast conditions, Guyana is likely to experience dry conditions during the next three months. Please note that the dry seasons in not a period of no rainfall, but a period significant reduction precipitation, hence, periods of heavy downpours are still likely.

Update in the bulletin is provided daily by the Hydromet Service: www.hydromet.gov.gy
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