

***MINISTRY OF AGRICULTURE
HYDROMETEOROLOGICAL SERVICE***

WEATHER BRIEF for Tuesday November 07, 2017 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00hrs Tuesday November 07, 2017, were available for most of the stations.

The highest rainfall of 145.0 mm was recorded at Kaieteur in Region 8.

Synopsis: A surface trough is affecting Guyana.

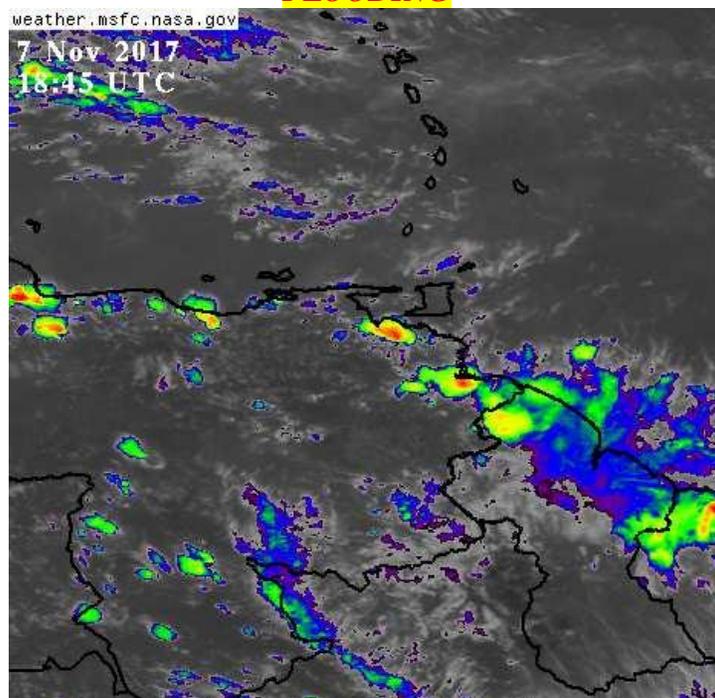
Today's weather review: All Regions observed cloudy to overcast skies with moderate to heavy showers, light intermittent rain and isolated thundershowers.

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

Tuesday November 07, 2017 (19:00 hrs – 07:00 hrs)			Wednesday November 08, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions		Regions	Weather Conditions	
Regions 1 to 10	 Rainfall between: 5.0 mm to 40.0 mm.	Cloudy to overcast skies with light to moderate showers and intermittent rain can be expected throughout Guyana; some areas can expect isolated thundershowers. <u>Winds:</u> Coast: North-easterly between 2 m/s and 4 m/s. Strong winds can be expected before and during heavy downpours. Hinterland: Light to calm. Strong winds can be expected before and during heavy downpours. <u>Minimum temperatures:</u> Coast: 22 °C – 24°C Hinterland: 18 °C – 22 °C	Regions 1 to 10	 Rainfall between: 0.0 mm and 30.0 mm	Cloudy skies with light to moderate showers and isolated thundershowers can be expected throughout Guyana; conditions are likely to improve over some coastal areas during the afternoon. <u>Winds:</u> Coast: North-easterly to south-easterly between 4 m/s and 8 m/s. Strong winds can be expected before and during heavy downpours. Hinterland: North-easterly to easterly between 2 m/s and 4 m/s. Strong winds can be expected before and during heavy downpours. <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, November 07 to November 16, 2017 is 4.4 mm per day.

Warnings: **CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE ADVISORY IS IN EFFECT UNTIL THURSDAY NOVEMBER 09, 2017. RESIDENTS OF LOW LYING, RIVERINE, AND FLOOD PRONE AREAS ARE ADVISED TO TAKE NECESSARY PRECAUTIONS AGAINST POSSIBLE FLOODING**



Infra-red Satellite image valid 18:45 UTC (14:45hrs) Tuesday November 07, 2017

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

Tonight November 07, 2017)	Tomorrow Morning (November 08, 2017)		Tomorrow Afternoon (November 08, 2017)
--:--	Low Tide 00:39hrs Height 0.54m <b style="background-color: yellow;">High Tide 07:13hrs <b style="background-color: yellow;">Height 2.77m		Low Tide 12:54hrs Height 0.75m <b style="background-color: yellow;">High Tide 18:55hrs <b style="background-color: yellow;">Height 2.93m
<i>Sunrise</i>	05:40 hrs	<i>Sunset</i>	17:31 hrs

Sea conditions: MODERATE TO ROUGH SEAS WITH WAVES REACHING HEIGHTS OF 2.5 TO 3.0 METERS IN OPEN WATERS

Extended Forecast

Thursday: Partly cloudy to cloudy skies with scattered light to moderate showers and isolated thundershowers can be expected throughout Guyana; conditions are likely to improve over some coastal areas during the afternoon. ***Rainfall is expected to range between 5.0 mm and 30.0 mm (0.20 in and 1.6 in) within a 24hrs period.***

Friday thru' Monday: Partly cloudy and sunny skies with scattered showers can be expected throughout Guyana; some areas can expect isolated thundershowers during the afternoon. ***Rainfall is expected to range between 0.0 mm and 25.0 mm (0.0 in and 1.0 in) within a 24hrs period.***

Seasonal Information (UPDATED 12 October, 2017) – La Niña Watch

La Niña conditions are favored (~55-65%) during the Northern Hemisphere fall and winter (September to March) 2017-18.

According to the ENSO update issued on Thursday 12 October, 2017, by the Climate Prediction Centre, during September, ENSO-neutral conditions were reflected in near-to-below average sea surface temperatures (SSTs) across most of the central and eastern Pacific Ocean. The sub-surface temperature anomalies were increasingly negative during September, reflecting the shallow depth of the thermocline across the central and eastern Pacific. Tropical convection was suppressed near the International Date Line and enhanced near Indonesia. Over the western equatorial Pacific Ocean, low-level trade winds were anomalously easterly and upper-level winds were anomalously westerly. Overall, the ocean and atmosphere system remains consistent with ENSO-neutral, although edging closer to La Niña conditions.

For the upcoming Northern Hemisphere fall and winter 2017-18, a weak La Niña is favoured, several models indicate a period of near-average Niño-3.4 values in the upcoming weeks, but then predict reinvigorated growth of negative SST anomalies across the equatorial Pacific Ocean. These forecasts are supported by the on-going easterly wind anomalies across portions of the Pacific Ocean and the reservoir of below-average subsurface temperatures.

The latest Caribbean Climate Outlook Forum (CARICOF) precipitation outlook, for the period October-November-December indicates that Guyana can expect a 45% probability of above-normal, 35% normal and 20% below-normal. For a Regional forecast please see the Guyana's Seasonal Climate Outlook October-November-December 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 passing further north. These and other dynamic and thermodynamic features in the atmosphere indicate that Guyana is still in the second dry season of the year. Considering the present conditions and forecast conditions, Guyana is likely to experience moderately dry conditions during the next three months. Please note that the dry season is not a period of any rainfall, but a period significant reduction precipitation, hence, periods of heavy downpours is still likely.

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

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