

***MINISTRY OF AGRICULTURE
HYDROMETEOROLOGICAL SERVICE***

WEATHER BRIEF for Friday December 01, 2017 from the Hydrometeorological Service, Guyana



Rainfall records for the past 24 hours, measured at 08:00hrs Friday December 01, 2017, were available for some of the stations.

The highest rainfall of 39.1 mm was recorded at Bartica Forestry in Region 7.

Synopsis: *Unstable conditions are affecting Guyana.*

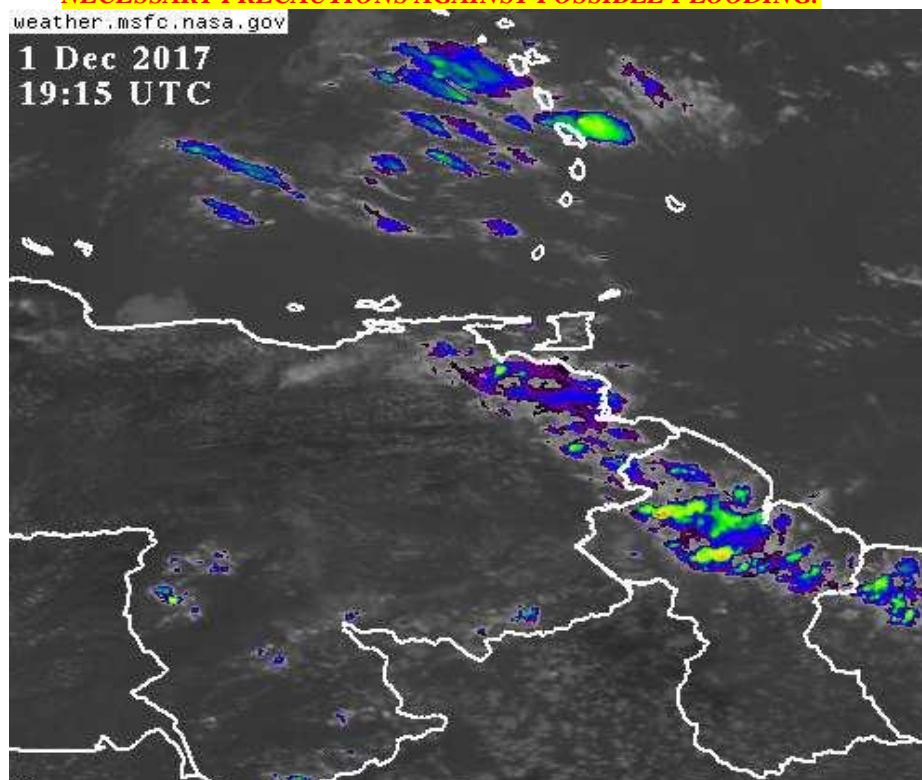
Today's weather review: *All Regions observed partly cloudy and sunny skies with scattered showers and isolated thundershowers.*

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

Friday December 01, 2017 (19:00 hrs – 07:00 hrs)			Saturday December 02, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions	Partly cloudy to cloudy skies with scattered showers can be expected throughout Guyana; some areas can expect isolated thundershowers.	Regions	Weather Conditions	Partly cloudy and sunny skies can be expected throughout Guyana; some areas can expect periods of cloudiness with scattered light to moderate showers and isolated thundershowers.
Regions 1 to 10	 <p>Rainfall between: 0.0 mm to 20.0 mm.</p> <p><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.</p> <p><u>Minimum temperatures:</u> Coast: 22 °C – 24°C Hinterland: 18 °C – 22 °C</p>		Regions 1 to 10	 <p>Rainfall between: 0.0 mm and 25.0 mm</p> <p><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.</p> <p><u>Maximum temperatures:</u> Coast: 30 °C – 33°C Hinterland: 29 °C – 34 °C</p>	

The long-term daily average rainfall for Georgetown, for the next 10 days, December 01 to December 10, 2017 is 8.8 per day.

Warnings: **CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE ADVISORY IS IN EFFECT UNTIL FRIDAY DECEMBER 08, 2017. RESIDENTS OF LOW LYING, RIVERINE, AND FLOOD PRONE AREAS ARE ADVISED TO TAKE NECESSARY PRECAUTIONS AGAINST POSSIBLE FLOODING.**



Infra-red Satellite image valid 19:15 UTC (15:15hrs) Friday December 01, 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 December 01, 2017)	Tomorrow Morning (December 02, 2017)		Tomorrow Afternoon (December 02, 2017)
Low Tide 20:27hrs Height 0.58m	High Tide 02:54hrs Height 2.91m Above Normal Low Tide 08:42hrs Height 0.57m		High Tide 14:48hrs Height 3.16m Above Normal
Sunrise	05:49hrs	Sunset	17:34hrs

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

Extended Forecast

Sunday thru' Thursday: Regions 1 to 6 and some areas in Regions 7 and 10 can expect cloudy skies with light to moderate showers and thundershowers; other Regions can expect partly cloudy and sunny skies with afternoon showers and possible isolated thundershowers. Rainfall is expected to range between 10.0 mm and 50.0 mm (0.40 in and 2.0 in) over Regions 1 to 6 and 10; other Regions can expect values between 0.0 mm and 25.0 mm (0.0 in and 1.0 in) within a 24hrs period.

Seasonal Information (UPDATED 13 November, 2017) – La Niña Watch

La Niña conditions are predicted to continue (~65-75% chance) at least through the Northern Hemisphere winter (November – March) 2017-18.

According to the ENSO update issued on Thursday 09 November, 2017, by the Climate Prediction Centre, during October, weak La Niña conditions emerged as reflected by below-average sea surface temperatures (SSTs) across most of the central and eastern equatorial Pacific Ocean. Sub-surface temperatures remained below average during October, reflecting the anomalously shallow depth of the thermocline across the central and eastern Pacific. Also, convection was suppressed near the International Date Line and slightly enhanced over parts of the Maritime Continent and the Philippines. Over the equatorial Pacific Ocean, low-level trade winds were mainly near average, but the upper-level winds were strongly anomalously westerly and the Southern Oscillation Index was positive.

For the remainder of the Northern Hemisphere fall and winter 2017-18, a weak La Niña is favoured based on several models. The consensus of forecasters is for the event to continue through approximately February-April 2018.

The latest Caribbean Climate Outlook Forum (CARICOF) precipitation outlook, for the period November-December-January 2017-18 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 November-December-January 2017-18 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, surface troughs are passing further north. These and other dynamic and thermodynamic features in the atmosphere indicate that Guyana is still in the second dry season for the year and is slowly transitioning into the secondary rainy season which is expected to start during the last week in November to the first week in December. Based on the current and expected ENSO conditions and the CARICOF precipitation outlook, Guyana can expect above normal to normal rainfall during the next three (3) months.

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

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