

***MINISTRY OF AGRICULTURE  
HYDROMETEOROLOGICAL SERVICE***

***WEATHER BRIEF for Monday October 02, 2017 from the Hydrometeorological Service, Guyana***



Rainfall records for the past 24 hours, measured at 08:00hrs Monday October 02, 2017, were available for most of the stations.

***The highest rainfall of 50.5 mm was recorded at Richmond Hill (Leguan) in Region 3.***

***Synopsis:*** Moderate to deep convective clouds associated with the Inter Tropical Convergence Zone (ITCZ) are affecting Guyana.

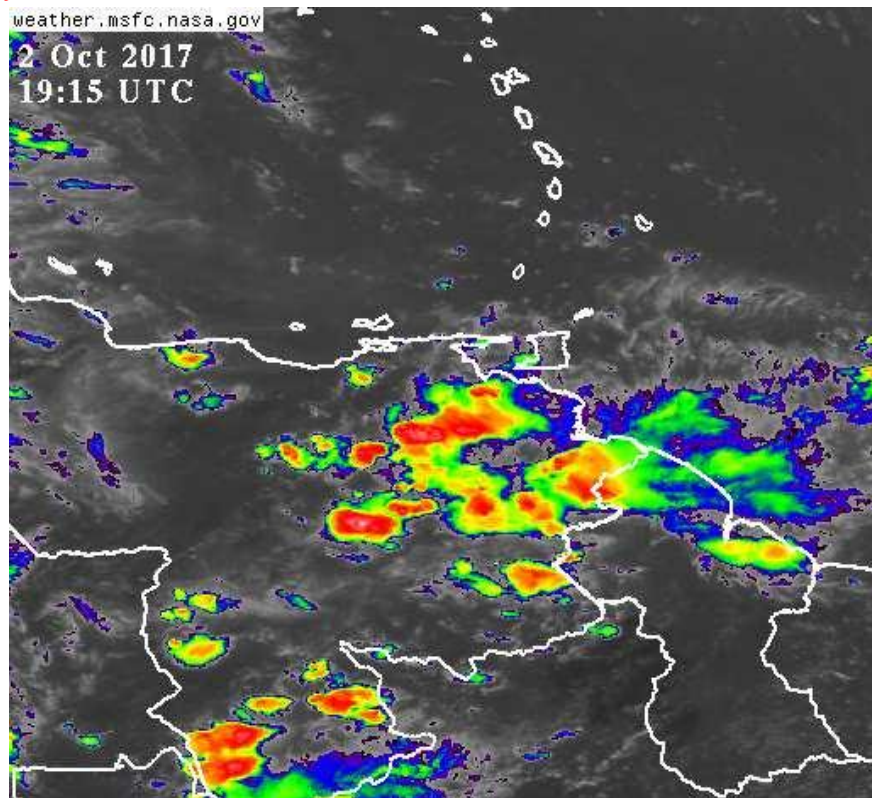
***Today's weather review:*** All Regions observed partly cloudy to cloudy skies with scattered light to moderate showers and isolated thundershowers.

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

Monday October 02, 2017 (19:00 hrs – 07:00 hrs)			Tuesday October 3, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions		Regions	Weather Conditions	
Regions 1 to 10	 <p><b><i>Rainfall between: 0.0 mm to 25.0 mm.</i></b></p>	<p>Partly cloudy to cloudy skies with scattered light to moderate showers and isolated thundershowers can be expected throughout Guyana.</p> <p><b><u>Winds:</u></b> 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><b><u>Minimum temperatures:</u></b> Coast: 22 °C – 24°C Hinterland: 18 °C – 22 °C</p>	Regions 1 to 10	 <p><b><i>Rainfall between: 0.0 mm and 20.0 mm</i></b></p>	<p>Partly cloudy and sunny skies with scattered showers can be expected throughout Guyana; some areas can expect moderate to heavy thundershowers during the afternoon.</p> <p><b><u>Winds:</u></b> 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><b><u>Maximum temperatures:</u></b> Coast: 30 °C – 33°C Hinterland: 29 °C – 34 °C</p>

The long-term daily average rainfall for Georgetown, for the next 10 days, October 02 to October 11, 2017 is 2.3 mm per day.

***Warnings:*** Above normal high tides is not in effect. The next period of above normal high tides will begin Tuesday October 03, 2017.



Infra-red Satellite image valid 19:15 UTC (15:15hrs) Monday October 02, 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 October 02,2017)	Tomorrow Morning (October 3, 2017)		Tomorrow Afternoon (October 3,2017)
Low Tide 20:05hrs Height 0.99m	<div style="background-color: yellow; display: inline-block; padding: 2px;">High Tide 02:13hrs Height 2.83hrs</div> Low Tide 08:21hrs Height 0.65m		<div style="background-color: yellow; display: inline-block; padding: 2px;">High Tide 14:35hrs Height 2.82m</div>
Sunrise	05:39 hrs	Sunset	17:42 hrs

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

**Extended Forecast**

***Wednesday thru' Sunday: Partly cloudy and sunny skies can be expected throughout Guyana; some areas can expect periods of cloudiness with scattered showers and moderate to heavy thundershowers during the afternoon. Rainfall is expected to range between 0.0 mm and 30.0 mm (0.0 in and 1.2 in) within a 24hrs period.***

**Seasonal Information (UPDATED 14 September, 2017) – La Niña Watch**

There is an increasing chance (~55-60%) of La Niña during the Northern Hemisphere fall and winter (September to March) 2017-18.

According to the ENSO update issued on Thursday 14 September, 2017, by the Climate Prediction Centre, during August, ENSO-neutral conditions were apparent in the weekly fluctuation. While temperature anomalies were variable at the surface, they became increasingly negative in the sub-surface ocean, due to the shoaling of the thermocline across the east-central and eastern Pacific. Tropical convection was suppressed over the western and central Pacific Ocean and slightly enhanced near Indonesia. The low-level trade winds were stronger than average over a small region of the far western tropical Pacific Ocean, and upper-level winds were anomalously easterly over a small area of the east-central Pacific. Overall, the ocean and atmosphere system remains consistent with ENSO-neutral.

The majority of models favor ENSO-neutral through the Northern Hemisphere 2017-18 winter. However, the most recent predictions from the NCEP Climate Forecast System and the North American Multi-Model Ensemble (NMME) indicate the formation of La Niña as soon as the Northern Hemisphere fall (September to December)2017. Forecasters favor these predictions in part because of the recent cooling of surface and sub-surface temperature anomalies, and also because of the higher degree of forecast skill at this time of year.

The latest Caribbean Climate Outlook Forum (CARICOF) precipitation outlook, for the period September-October-November indicates that Guyana can expect a 40% probability of below-normal, 35% normal and 25% above-normal. For a Regional forecast please see the Guyana's Seasonal Climate Outlook September-October-November 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 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](http://www.hydromet.gov.gy)

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