

***MINISTRY OF AGRICULTURE
HYDROMETEOROLOGICAL SERVICE***

WEATHER BRIEF for Wednesday October 11, 2017 from the Hydrometeorological Service, Guyana





Rainfall records for the past 24 hours, measured at 08:00hrs Wednesday October 11, 2017, were available for some of the stations.

The highest rainfall of 41.9mm was recorded at Parika in Region 3.

Synopsis: *Confluencing ahead of an approaching tropical wave affected the forecast area today. As the wave nears Guyana the confluencing is expected to move over the western Regions.*

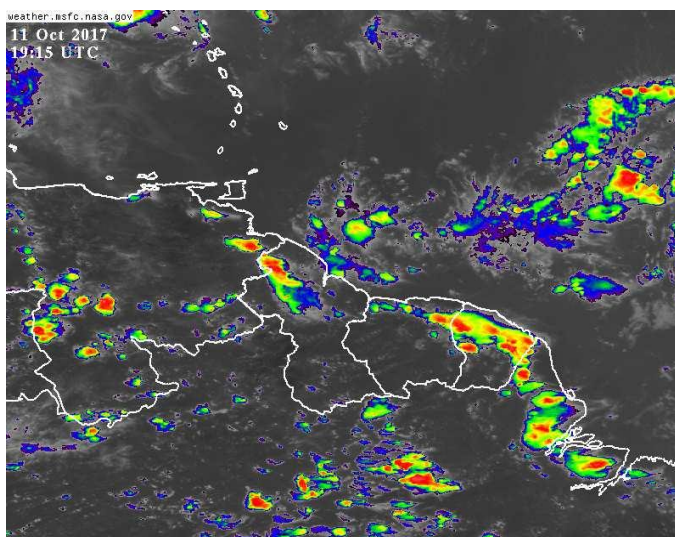
Today's weather review: *Varying cloudiness and scattered showers affected all Regions today. Some locations also experienced isolated thundershowers.*

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

Wednesday October 11, 2017 (19:00 hrs – 07:00 hrs)			Thursday October 12, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions	Cloudy skies with scattered showers are expected over Regions 1 to 7 and 10. Parts of Regions 1 and 7 may also experience isolated thundershowers. Regions 8 and 9 can expect partly cloudy skies with possible isolated showers.	Regions	Weather Conditions	Regions 1 to 3 may experience cloudy skies with light to moderate showers, with Region 1 experience isolated thundershowers during the afternoon hours. Regions 4 to 7 and 9 can expect partly cloudy and sunny skies with isolated morning showers. All other locations can expect partly cloudy to cloudy skies during the morning hours and mostly cloudy skies with isolated thundershowers during the afternoon hours.
Regions 1 to 7 and 10	 Rainfall between: 5.0 mm to 25.0 mm, with the maximum over Regions 1 and 7	Winds: North-easterly between 1 m/s and 3 m/s. Strong winds can be expected before and during heavy downpours. Minimum temperatures:	Regions 4 to 7 and 9	 Rainfall between: 0.0 mm and 5.0 mm	Winds: North-easterly to south-easterly between 3 m/s and 6 m/s. Strong winds can be expected before and during heavy downpours. Maximum temperatures:
Regions 8 and 9	 Rainfall between: 0.0 mm to 5.0 mm.	Coast: 22 °C – 25°C Hinterland: 18 °C – 22 °C	All other locations	 Rainfall between: 5.0 mm to 25.0 mm.	Coast: 29 °C – 33°C Hinterland: 29 °C – 35 °C

The long-term daily average rainfall for Georgetown, for the next 10 days, October 11 to October 20, 2017 is 2.8 mm per day.

Warnings: NIL



Infra-red Satellite image valid 19:15 UTC (15:15hrs) Wednesday October 11, 2017

Our Mission: To Observe, archive and understand Guyana's weather, and Climate and provide meteorological, hydrological and oceanographic service in support of Guyana's national needs and international obligation.

***MINISTRY OF AGRICULTURE
HYDROMETEOROLOGICAL SERVICE***

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

Tonight October 11,2017)	Tomorrow Morning (October 12, 2017)		Tomorrow Afternoon (October 12,2017)
High Tide 20:05 hrs Height 2.43hrs ABOVE NORMAL	Low Tide 02:51hrs Height 0.91m High Tide 09:41hrs Height 2.43hrs ABOVE NORMAL		Low Tide 15:15hrs Height 1.11m
<i>Sunrise</i>	<i>05:38 hrs</i>	<i>Sunset</i>	<i>17:38 hrs</i>

Sea conditions: SLIGHT TO MODERATE SEAS WITH WAVES REACHING HEIGHTS OF 1.5 TO 2.0 METERS IN OPEN WATERS

Extended Forecast

Friday thru' Tuesday: Partly cloudy and sunny skies are likely over Regions 3 to 6, 8 and 9. These areas may also experience brief light showers. Twenty-four hours accumulated rainfall is likely to range between **0 mm and 5 mm**. All other locations can expect partly cloudy to cloudy skies with scattered light showers. Parts of Regions 1, 7 and 10 may also experience overcast spells with isolated thundershowers during the afternoon and early evening hours. Rainfall is likely to range between **10 mm and 35 mm** during a twenty-four hours 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

Meteorologist: L. Alves

Our Mission: To Observe, archive and understand Guyana's weather, and Climate and provide meteorological, hydrological and oceanographic service in support of Guyana's national needs and international obligation.