

MINISTRY OF AGRICULTURE HYDROMETEOROLOGICAL SERVICE

WEATHER BRIEF for Monday October 09, 2017 from the Hydrometeorological Service, Guyana



Rainfall records for the past 24 hours, measured at 08:00hrs Monday October 09, 2017, were available for some of the stations.

The highest rainfall of 38.3mm was recorded at Ituni in Region 10.

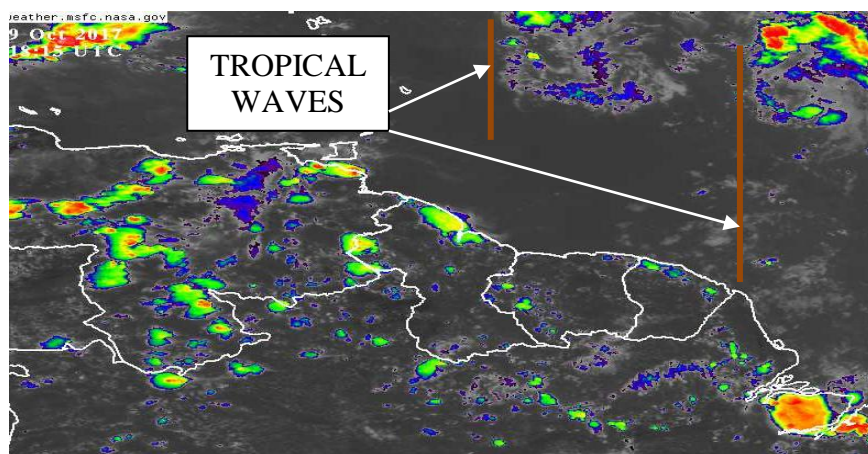
Synopsis: Apart from the dominant surface ridging, localised heating was the controlling factor affecting Guyana.

Today's weather review: All Regions observed partly cloudy and sunny skies; some areas observed periods of cloudiness with scattered showers and isolated thundershowers.

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

Monday October 09, 2017 (19:00 hrs – 07:00 hrs)			Tuesday October 10, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions		Regions	Weather Conditions	
Regions 1 to 10	 Rainfall between: 0.0 mm to 20.0 mm.	Partly cloudy skies becoming cloudy across Guyana with few passing showers; some coastal areas may observe isolated outburst of thunder. Winds: Mostly light Minimum temperatures: Coast: 21 °C – 23°C Hinterland: 18 °C – 22 °C	Regions 1 to 10	 Rainfall between: 0.0 mm and 30.0 mm	Cloudy to occasionally overcast skies throughout Guyana with scattered to occasional light to at times moderate showers and isolated thundershowers Winds: Light to at times breezy Maximum temperatures: Coast: 28 °C – 30°C Hinterland: 28 °C – 31 °C

The long-term daily average rainfall for Georgetown, for the next 10 days, October 09 to October 18, 2017 is 2.7 mm per day.



Infra-red Satellite image valid 18:15 UTC (14:15hrs) Monday October 09, 2017

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

Warnings: Above normal high tides is in effect until Tuesday October 10, 2017.

Tonight October 09,2017)	Tomorrow Morning (October 10, 2017)	Tomorrow Afternoon (October 10,2017)	
High Tide 18:18hrs Height 3.06m Above normal	Low Tide 00:51hr Height 0.60m High Tide 07:21hrs Height 2.74m Above normal	Low Tide 13:06hrs Height 0.74m	
Sunrise	05:39 hrs	Sunset	17:39 hrs

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

Extended Forecast

Wednesday: Partly cloudy to cloudy skies with scattered showers and isolated thundershowers can be expected throughout Guyana; conditions are expected to improve over some coastal areas during the afternoon. **Rainfall is expected to range between 5.0 mm and 20.0 mm.**

Thursday, Friday & Sunday: Mostly overcast skies occasional to frequent showers and thundershowers throughout Guyana. **Rainfall is expected to range between 20.0 mm and 60.0 mm within a 24hrs period.**

Saturday: Partly cloudy to cloudy skies with scattered showers and isolated thundershowers can be expected throughout Guyana; conditions are expected to improve over some coastal areas during the afternoon. **Rainfall is expected to range between 5.0 mm and 25.0 mm**

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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
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