

MINISTRY OF AGRICULTURE HYDROMETEOROLOGICAL SERVICE

WEATHER BRIEF for Sunday November 05, 2017 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00hrs Sunday November 05, 2017, were available for some of the stations.

The highest rainfall of 38.8mm was recorded at Wanna White Water in Region 1.

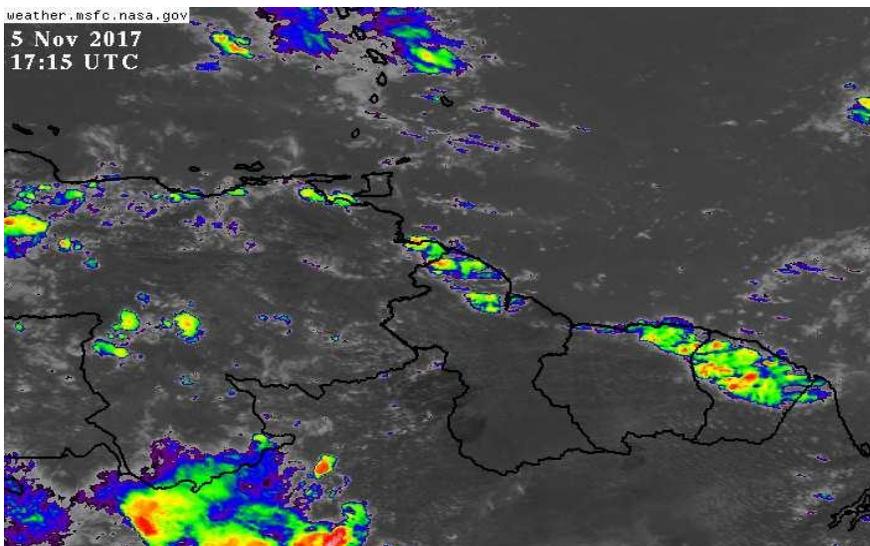
Synopsis: Weak instabilities are affecting Guyana. ITCZ will become active from Wednesday thru Friday allowing widespread precipitation.

Today's weather review: Partly cloudy to cloudy skies with few passing showers.

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

Sunday November 05, 2017 (19:00 hrs – 07:00 hrs)			Monday November 06, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions		Regions	Weather Conditions	
Regions 1 to 10	 Rainfall between: 0.0 mm to 15.0 mm.	Partly cloudy skies becoming occasionally cloudy with brief passing showers in the early morning. Isolated thunderstorms may be observed in some coastal areas. Winds: Light to breezy at times Minimum temperatures: Coast: 23 °C – 25°C Hinterland: 21 °C – 24 °C	Regions 1 to 10	 Rainfall between: 0.0 mm and 25.0 mm	Cloudy skies can be expected in coastal areas with occasional light showers. Isolated thunderstorms can be expected in inland areas in the afternoon. Winds: Breezy to windy at times Maximum temperatures: Coast: 30 °C – 32°C Hinterland: 29 °C – 33 °C

The long-term daily average rainfall for Georgetown, for the next 10 days, November 05 to November 14, 2017 is 4.0 mm per day.



Infra-red Satellite image valid 19:15 UTC (15:15hrs) Sunday November 05, 2017

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

Warnings: Above normal is in effect and will continue until Thursday November 9, 2017.

Tonight November 04, 2017)	Tomorrow Morning (November 05, 2017)	Tomorrow Afternoon (November 05, 2017)
Low Tide 23:03hrs Height 0.35m	High Tide 05:31hrs Height 3.03m Above Normal Low Tide 11:18hrs Height 0.45m	High Tide 17:18hrs Height 3.21m Above Normal
Sunrise	05:40 hrs	Sunset
		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

Tuesday thru Saturday, mostly cloudy to frequently overcast skies with moderate to heavy showers and thundershowers. High intensity rainfall is anticipated on Wednesday across coastal areas and on Thursday and Friday in Areas of Regions 6, 8, 9 and 10. Showery events may be accompanied by occasional gusty winds before and during showers with the likelihood of lightning in some areas. **Rainfall is anticipated between 0.0 mm to 50.0 mm; however, Wednesday thru Friday, rainfall values are likely between 50.0 mm**

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to 100.0 mm within 24 hours in areas of Regions 4 to 6, 9 and 10. With the anticipated rainfall, there exist the likelihood of water accumulation/ flooding in poor drainage and low lying areas. Persons are asked to exercise caution during this 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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