

***MINISTRY OF AGRICULTURE
HYDROMETEOROLOGICAL SERVICE***

WEATHER BRIEF for Tuesday November 14, 2017 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00hrs Tuesday November 14, 2017, were available for most of the stations.

The highest rainfall of 13.6 was recorded at Cane Grove Back E.C.D in Region 2.

Synopsis: A weak Saharan Air Layer and subsidence in the mid to upper levels continue to produce a stable atmosphere over the forecast area. Diurnal heating produced some instability over some locations during the afternoon hours.

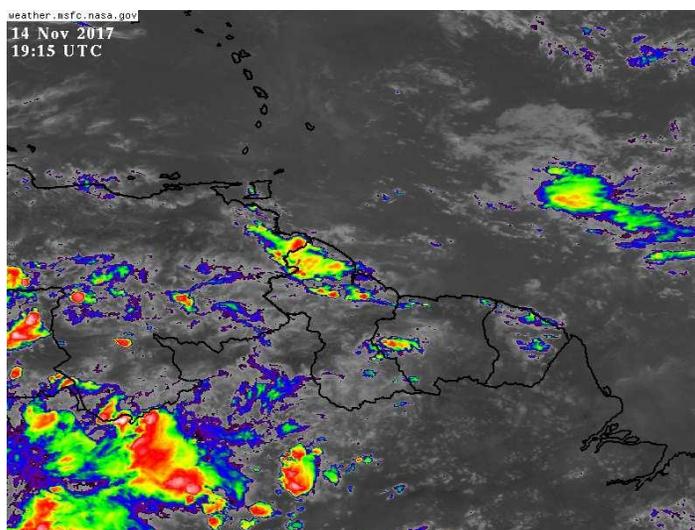
Today's weather review: Partly cloudy to cloudy skies with brief showers were experienced throughout Guyana today. Parts of Regions 1 and 7 experienced brief overcast spells with moderate showers during the afternoon hours.

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

Tuesday November 14, 2017 (19:00 hrs – 07:00 hrs)			Wednesday November 15, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions	Parts of Regions 1, 7 and 10 can expect cloudy spells with moderate showers, mostly during the evening hours. All other locations can expect fair to partly cloudy skies with brief early morning showers.	Regions	Weather Conditions	Partly cloudy and sunny skies with isolated showers can be expected throughout Guyana during the morning. Parts of Regions 1 and 7 can expect cloudy spells with moderate showers during the afternoon hours.
Regions 1, 7 and 10	 Rainfall between: 5.0 mm to 20.0 mm.	Winds: North-easterly between 1 m/s and 3 m/s.	Regions 1 and 7	 Rainfall between: 5.0 mm and 20.0 mm	Winds: North-easterly to easterly between 4 m/s and 8 m/s.
All other locations	 Rainfall between: 0.0 mm to 5.0 mm.	Minimum temperatures: Coast: 23 °C – 25°C Hinterland: 18 °C – 22 °C	All other locations	 Rainfall between: 0.0 mm to 5.0 mm.	Maximum temperatures: Coast: 31 °C – 34°C Hinterland: 30 °C – 36 °C

The long-term daily average rainfall for Georgetown, for the next 10 days, November 14 to November 23, 2017 is 5.8 mm per day.

Warnings: *CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE ADVISORY IS IN EFFECT UNTIL TUESDAY 21 NOVEMBER, 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) Tuesday November 14, 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 November 14, 2017)	Tomorrow Morning (November 15, 2017)		Tomorrow Afternoon (November 15, 2017)
	<i>High Tide 01:44hrs Height 2.70m</i> <i>Low Tide 08:01hrs Height 0.85m</i>		<i>High Tide 14:26hrs Height 2.95m</i> <i>Low Tide 20:12hrs Height 0.66m</i>
<i>Sunrise</i>	<i>05:42 hrs</i>	<i>Sunset</i>	<i>17:31 hrs</i>

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

Extended Forecast

Thursday thru' Monday: Partly cloudy to cloudy skies with a few light showers are expected throughout Guyana during the morning hours. Parts of Regions 1, 7 and 10 can expect cloudy spells with moderate showers during the afternoon and early evening hours. All other locations can expect generally fair skies as the day processes. Rainfall is forecast to range between **10 mm and 30 mm** over Regions 1, 7 and 10 and between **0 mm and 10 mm** elsewhere.

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

Meteorologist: L. Alves

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