

# MINISTRY OF AGRICULTURE HYDROMETEOROLOGICAL SERVICE

**WEATHER BRIEF for Sunday December 03, 2017 from the Hydrometeorological Service, Guyana**

Rainfall records for the past 24 hours, measured at 08:00hrs Sunday December 03, 2017, were available for some of the stations.

**The highest rainfall of 25.9mm was recorded at Capoey Lake in Region 2.**

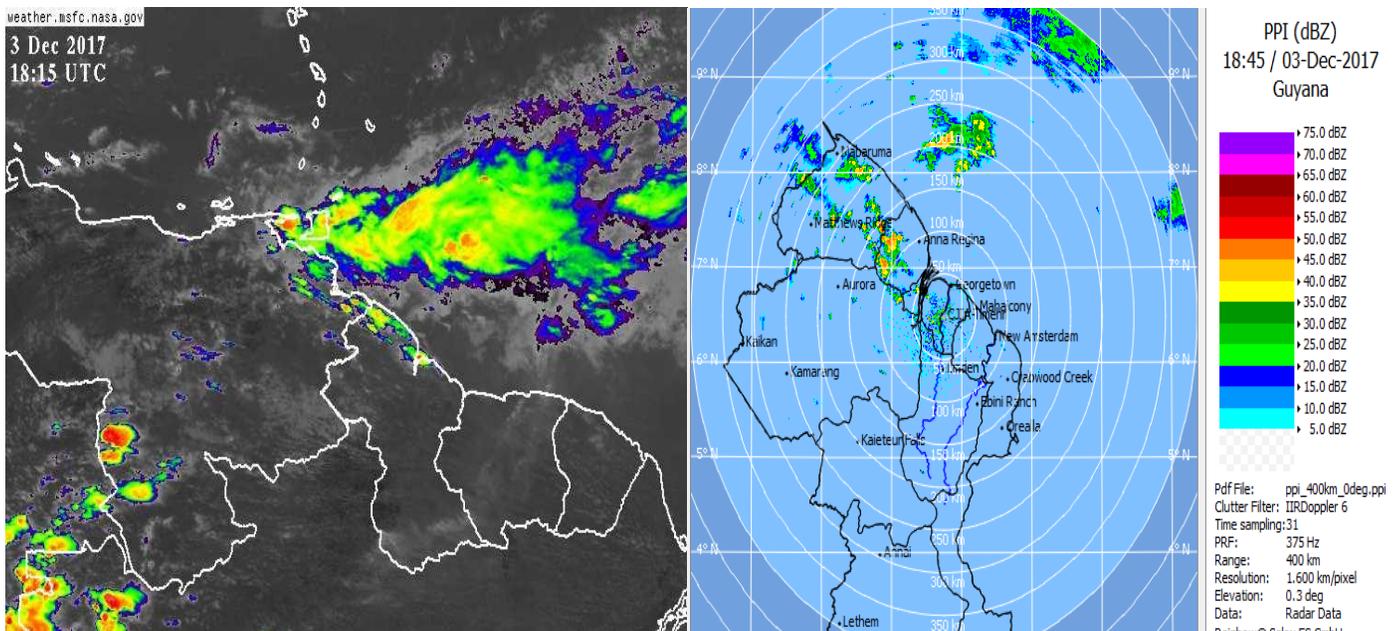
**Synopsis:** A surface trough embedded in the ITCZ is affecting Guyana. Model forecast shows that over the next few days the ITCZ will remain the dominant feature producing showers and thundershowers over Guyana.

**Today's weather review:** Cloudy to overcast skies were observed across Guyana with scattered showers and thundershowers in some coastal areas.

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

Sunday December 03, 2017 (19:00 hrs – 07:00 hrs)			Monday December 04, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions		Regions	Weather Conditions	
Regions 1 to 10	 <p><b>Rainfall between: 0.0 mm to 40.0 mm.</b></p>	<p>Partly cloudy becoming cloudy to overcast in coastal and inland areas with occasional showers and isolated thundershowers in the late evening into early morning. Elsewhere can expect mostly fair weather conditions.</p> <p><b>Winds:</b> Light to calm. Strong winds can be expected before and during heavy downpours.</p> <p><b>Minimum temperatures:</b> Coast: 22 °C – 24°C Hinterland: 18 °C – 22 °C</p>	Regions 1 to 10	 <p><b>Rainfall between: 0.0 mm and 40.0 mm</b></p>	<p>Cloudy skies with scattered to occasional showers and isolated thundershowers in the morning period in coastal areas. Conditions are expected to improve into the afternoon, however will remain cloudy throughout. All other areas will see generally fair with brief cloudy spells.</p> <p><b>Winds:</b> Mostly light to breezy at times.</p> <p><b>Maximum temperatures:</b> Coast: 28 °C – 31°C Hinterland: 29 °C – 33 °C</p>

The long-term daily average rainfall for Georgetown, for the next 10 days, December 03 to December 12, 2017 is 8.6 per day.



**Infra-red Satellite image valid 18:15 UTC (14:15hrs) Sunday December 03, 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 tide is not in effect.

Tonight December 03, 2017)	Tomorrow Morning (December 04, 2017)	Tomorrow Afternoon (December 04, 2017)	
<p>Low Tide 22:02hrs Height 0.33m</p>	<p><b>High Tide 04:32hrs Height 3.03m Above Normal</b></p> <p>Low Tide 10:16hrs Height 0.44m</p>	<p><b>High Tide 16:18hrs Height 3.27m Above Normal</b></p>	
Sunrise	05:50hrs	Sunset	17:34hrs

**Sea conditions:** MODERATE SEAS WITH WAVES REACHING HEIGHTS OF 2.0 TO 2.5 METERS IN OPEN WATERS

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***Extended Forecast***

***Tuesday thru Thursday:*** Cloudy to frequently overcast skies with moderate to heavy showers and thundershowers. Occasional wind gust can be expected before and during showers. **Rainfall is expected to range between 40.0 mm and 100.0 mm within a 24hrs period in coastal areas and between 30.0 mm to 60.0 mm elsewhere. Highest values are anticipated on Wednesday**

***Friday and Saturday:*** Occasionally cloudy to overcast skies with scattered to occasional showers and isolated thundershowers can be expected throughout Guyana; conditions are likely to improve over some coastal areas during the afternoon. **Rainfall is expected to range between 10.0 mm and 40.0 mm within a 24hrs period.**

**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.hydro-met.gov.gy](http://www.hydro-met.gov.gy)

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