

# MINISTRY OF AGRICULTURE HYDROMETEOROLOGICAL SERVICE

**WEATHER BRIEF for Tuesday December 05, 2017 from the Hydrometeorological Service, Guyana**

Rainfall records for the past 24 hours, measured at 08:00hrs Tuesday December 05, 2017, were available for most of the stations.

**The highest rainfall of 36.2mm was recorded at Mc Nabb in Region 2.**

**Synopsis:** The Inter-Tropical Convergence Zone was analysed along the Coast during the morning hours.

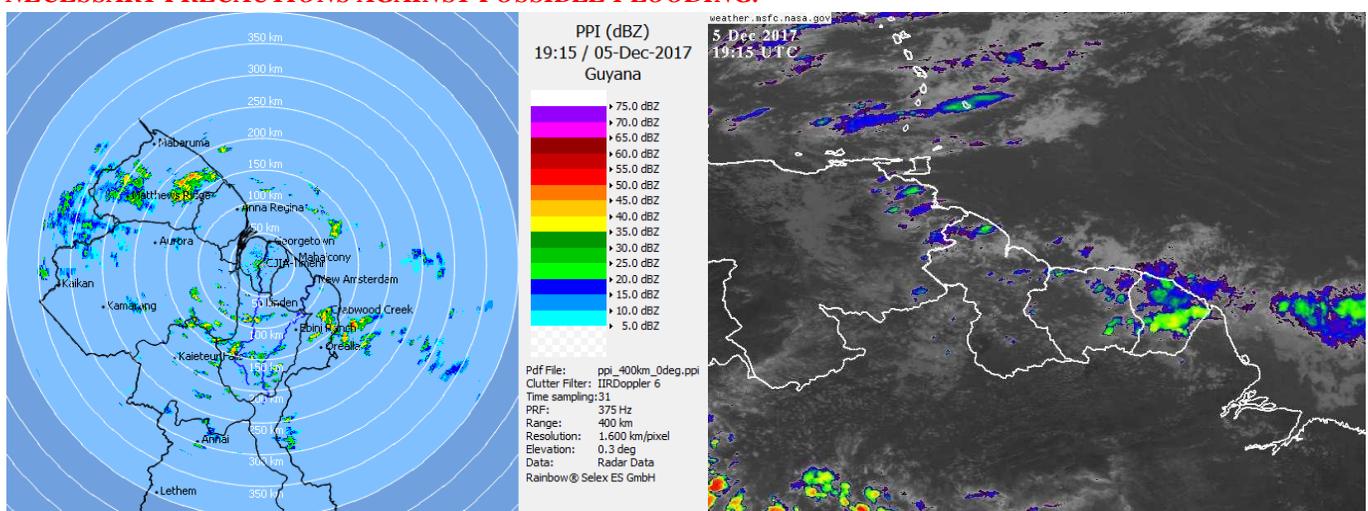
**Today's weather review:** Cloudy to overcast skies were observed over the forecast area today. Light to moderate showers and intermittent rain was observed over Regions 1 to 8 and 10. Region 9 experienced isolated showers.

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

Tuesday December 05, 2017 (19:00 hrs – 07:00 hrs)			Wednesday December 06, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions	Mostly cloudy skies are expected over all Regions. Regions 1 to 8 and 10 can expect these conditions to be accompanied by light to moderate showers and intermittent rain. Parts of Regions 1, 7 and 10 may also experience isolated thundershowers. Scattered showers are likely over Region 9.	Regions	Weather Conditions	Cloudy skies and light to moderate showers are expected over Regions 1 to 7 and 10. Isolated thundershowers are also likely over Regions 7 and 10 during the afternoon hours. Region 9 can expect partly cloudy to cloudy skies with isolated light showers.
Regions 2 to 6	 <b>Rainfall between: 5.0 mm to 20.0 mm.</b>		Regions 1 to 6	 <b>Rainfall between: 5.0 mm and 15.0 mm</b>	<b>Winds:</b>
Regions 1, 7 and 10	 <b>Rainfall between: 10.0 mm to 30.0 mm.</b>	<b>Winds:</b> North-easterly between 1 m/s and 4 m/s. Strong winds can be expected before and during heavy downpours.	Regions 7 and 10	 <b>Rainfall between: 10.0 mm to 30.0 mm</b>	North-easterly to easterly between 4 m/s and 8 m/s. Strong winds can be expected before and during heavy downpours.
Region 9	 <b>Rainfall between: 0.0 mm to 5.0 mm.</b>	<b>Minimum temperatures:</b> Coast: 20 °C – 24°C Hinterland: 18 °C – 22 °C	Regions 8 and 9	 <b>Rainfall between: 0.0 mm to 5.0 mm.</b>	<b>Maximum temperatures:</b> Coast: 29 °C – 32°C Hinterland: 28 °C – 34 °C

The long-term daily average rainfall for Georgetown, for the next 10 days, December 05 to December 14, 2017 is 8.9 per day.

**Warnings:** *CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE ADVISORY IS IN EFFECT UNTIL FRIDAY 8 DECEMBER, 2017. RESIDENTS OF LOW LYING, RIVERINE, AND FLOOD PRONE AREAS ARE ADVISED TO TAKE NECESSARY PRECAUTIONS AGAINST POSSIBLE FLOODING.*



**Radar and Infra-red Satellite images valid 19:15 UTC (15:15hrs) Tuesday 5 December, 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 December 05, 2017)	Tomorrow Morning (December 06, 2017)		Tomorrow Afternoon (December 06, 2017)
<b>Low Tide 23:38hrs</b> <b>Height 0.35m</b>	<b>High Tide 06:10hrs</b> <b>Height 2.97m</b>  <b>Above Normal</b>  <b>Low Tide 11:51hrs</b> <b>Height 0.55m</b>		<b>High Tide 17:54hrs</b> <b>Height 3.14m</b>  <b>Above Normal</b>
<i>Sunrise</i>	<i>05:50hrs</i>	<i>Sunset</i>	<i>17:35hrs</i>

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

***Extended Forecast***

***Thursday, Saturday and Sunday:*** Partly cloudy to cloudy skies with scattered light to moderate showers are expected over Regions 1 to 7 and 10. Afternoon thundershowers are also likely over Parts of Regions 1, 7 and 10. Rainfall is likely to range between **10 mm and 35 mm** over areas with thundershowers and **0 mm to 10 mm** elsewhere. Regions 8 and 9 can expect partly cloudy skies with isolated showers accumulating between **0 mm and 5 mm**.

***Friday and Monday:*** Mostly cloudy skies are expected over Northern Guyana. Conditions are likely to be accompanied by predominantly moderate showers and possible isolated thundershowers. Rainfall is likely to range between **10 mm and 45 mm**. Regions 8 and 9 can expect partly cloudy skies with isolated showers. Rainfall is likely to range between **0 mm and 10 mm**.

***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](http://www.hydromet.gov.gy)

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