

***MINISTRY OF AGRICULTURE  
HYDROMETEOROLOGICAL SERVICE***

**WEATHER BRIEF for Monday December 04, 2017 from the Hydrometeorological Service, Guyana**

Rainfall records for the past 24 hours, measured at 08:00hrs Monday December 04, 2017, were available for most of the stations.

**The highest rainfall of 45.7 mm was recorded at Kumaka in Region 1.**

**Synopsis:** A ridge of high pressure is dominant feature affecting Guyana.

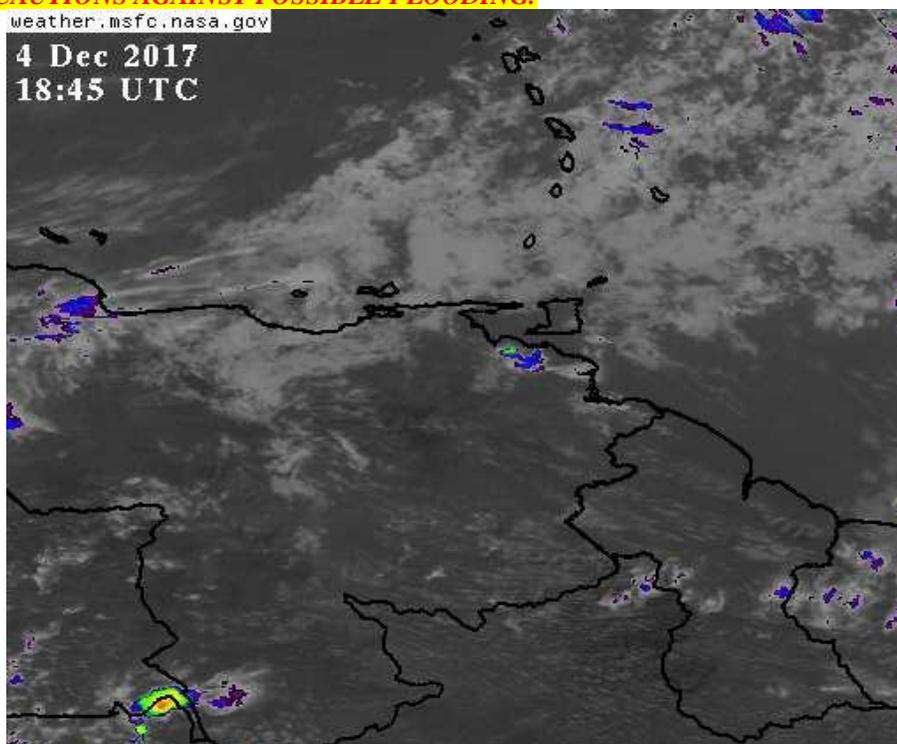
**Today's weather review:** All Regions observed partly cloudy and sunny skies with scattered showers and isolated thundershowers.

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

| Monday December 04, 2017 (19:00 hrs – 07:00 hrs) |                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                         | Tuesday December 05, 2017 (07:00 hrs – 19:00 hrs) |                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Regions                                          | Weather Conditions                                                                                                               | Partly cloudy to cloudy skies with scattered light to moderate showers can be expected throughout Guyana; some areas can expect isolated thundershowers.                                                                                                                                                                                | Regions                                           | Weather Conditions                                                                                                                 | Cloudy skies with light to moderate showers, intermittent rain and isolated thundershowers can be expected throughout Guyana.                                                                                                                                                                                                                                                                  |
| Regions 1 to 10                                  | <br><b>Rainfall between: 0.0 mm to 25.0 mm.</b> | <b><u>Winds:</u></b><br>Coast: North-easterly between 2 m/s and 4 m/s. Strong winds can be expected before and during heavy downpours.<br><br>Hinterland: Light to calm. Strong winds can be expected before and during heavy downpours.<br><br><b><u>Minimum temperatures:</u></b><br>Coast: 22 °C – 24°C<br>Hinterland: 18 °C – 22 °C | Regions 1 to 10                                   | <br><b>Rainfall between: 10.0 mm and 50.0 mm</b> | <b><u>Winds:</u></b><br>Coast: North-easterly to south-easterly between 4 m/s and 8 m/s. Strong winds can be expected before and during heavy downpours.<br><br>Hinterland: North-easterly to easterly between 2 m/s and 4 m/s. Strong winds can be expected before and during heavy downpours.<br><br><b><u>Maximum temperatures:</u></b><br>Coast: 29 °C – 32°C<br>Hinterland: 28 °C – 33 °C |

The long-term daily average rainfall for Georgetown, for the next 10 days, December 04 to December 13, 2017 is 8.8 mm per day.

**Warnings:** **CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE ADVISORY IS IN EFFECT UNTIL FRIDAY DECEMBER 08, 2017. RESIDENTS OF LOW LYING, RIVERINE, AND FLOOD PRONE AREAS ARE ADVISED TO TAKE NECESSARY PRECAUTIONS AGAINST POSSIBLE FLOODING.**



Infra-red Satellite image valid 18:45 UTC (14:45hrs) Monday December 04, 2017

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

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| Tonight December 04, 2017)        | Tomorrow Morning (December 05, 2017)                                                                             |        | Tomorrow Afternoon (December 05, 2017)                                  |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------|
| Low Tide 22:50hrs<br>Height 0.30m | <b>High Tide 05:21hrs</b><br><b>Height 3.03m</b><br><b>Above Normal</b><br><br>Low Tide 11:03hrs<br>Height 0.46m |        | <b>High Tide 17:05hrs</b><br><b>Height 3.24m</b><br><b>Above Normal</b> |
| Sunrise                           | 05:50hrs                                                                                                         | Sunset | 17:35hrs                                                                |

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

**Extended Forecast**

**Wednesday thru' Sunday: Coastal areas can expect partly cloudy and sunny skies with scattered showers; other locations can expect cloudy skies with light to moderate showers and isolated thundershowers. **Rainfall is expected to range between 0.0 mm and 25.0 mm (0.0 in and 1.0 in) over Regions 1 to 5; other Regions can expect values between 5.0 mm and 40.0 mm (0.2 in and 1.6 in) 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.hydromet.gov.gy](http://www.hydromet.gov.gy)

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