

***MINISTRY OF AGRICULTURE
HYDROMETEOROLOGICAL SERVICE***

WEATHER BRIEF for Wednesday October 04, 2017 from the Hydrometeorological Service, Guyana



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

The highest rainfall of 39.8 mm was recorded at Waterloo Berbice in Region 5.

Synopsis: Unstable conditions are affecting Guyana.

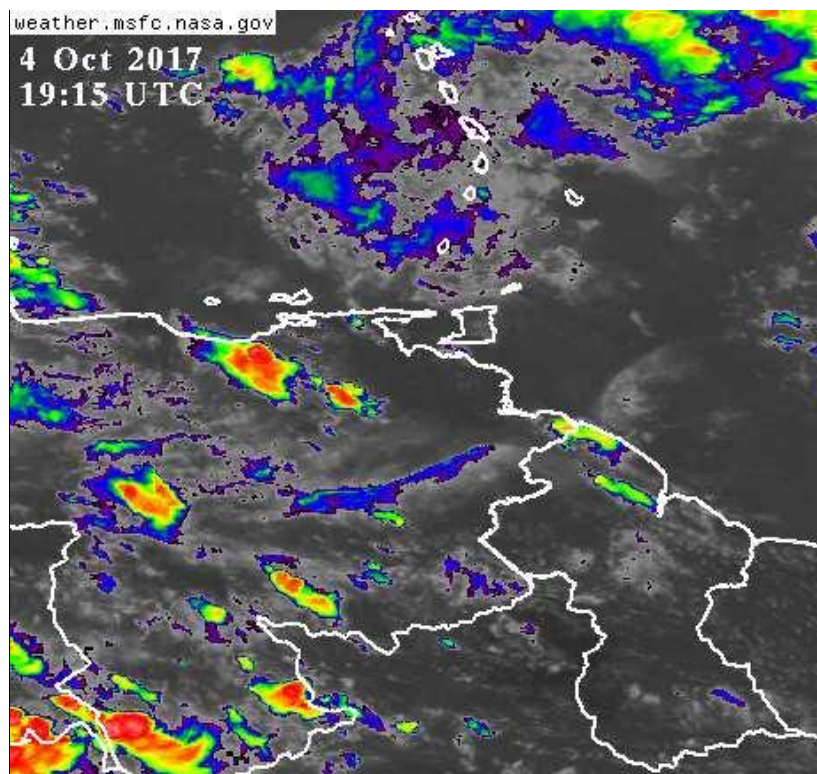
Today's weather review: All Regions observed partly cloudy & sunny skies; some areas observed scattered showers and isolated thundershowers during the afternoon.

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

| Wednesday October 04, 2017 (19:00 hrs – 07:00 hrs) | | | Thursday October 05, 2017 (07:00 hrs – 19:00 hrs) | | |
|--|---|--|---|--|--|
| Regions | Weather Conditions | | Regions | Weather Conditions | |
| Regions 1 to 10 |  <p><i>Rainfall between: 0.0 mm to 15.0 mm.</i></p> | <p><i>Fair to partly cloudy skies with scattered showers can be expected throughout Guyana; some areas can expect isolated thundershowers.</i></p> <p><u>Winds:</u> Coast: North-easterly between 2 m/s and 4 m/s. Strong winds can be expected before and during heavy downpours.</p> <p>Hinterland: Light to calm. Strong winds can be expected before and during heavy downpours.</p> <p><u>Minimum temperatures:</u> Coast: 22 °C – 24°C Hinterland: 18 °C – 22 °C</p> | Regions 1 to 10 |  <p><i>Rainfall between: 0.0 mm and 20.0 mm</i></p> | <p><i>Partly cloudy and sunny skies with scattered showers can be expected throughout Guyana; some areas can expect periods of cloudiness with moderate to heavy thundershowers during the afternoon.</i></p> <p><u>Winds:</u> Coast: North-easterly to south-easterly between 4 m/s and 8 m/s. Strong winds can be expected before and during heavy downpours.</p> <p>Hinterland: North-easterly to easterly between 2 m/s and 4 m/s. Strong winds can be expected before and during heavy downpours.</p> <p><u>Maximum temperatures:</u> Coast: 30 °C – 33°C Hinterland: 29 °C – 34 °C</p> |

The long-term daily average rainfall for Georgetown, for the next 10 days, October 04 to October 13, 2017 is 2.5 mm per day.

Warnings: Above normal high tides is in effect until Tuesday September 10, 2017.



Infra-red Satellite image valid 19:15 UTC (15:15hrs) Wednesday October 04, 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 October 04,2017) | | Tomorrow Morning (October 5, 2017) | | Tomorrow Afternoon (October 5,2017) | |
|-----------------------------------|--|---|--------|-------------------------------------|-----------|
| Low Tide 21:18hrs Height 0.65m | | High Tide 03:35hrs Height 3.07m Low Tide 09:36hrs Height 0.41m | | High Tide 15:44hrs Height 3.13m | |
| Sunrise | | 05:39 hrs | Sunset | | 17:41 hrs |

Sea conditions: MODERATE TO ROUGH SEAS WITH WAVES REACHING HEIGHTS OF 2.5 TO 3.0 METERS IN OPEN WATERS

Extended Forecast

Friday thru' Tuesday:* Partly cloudy and sunny skies can be expected throughout Guyana; some areas can expect periods of cloudiness with scattered showers and moderate to heavy thundershowers during the afternoon. **Rainfall is expected to range between 0.0 mm and 30.0 mm (0.0 in and 1.2 in) within a 24hrs period.*

Seasonal Information (UPDATED 14 September, 2017) - La Niña Watch

There is an increasing chance (~55-60%) of La Niña during the Northern Hemisphere fall and winter (September to March) 2017-18.

According to the ENSO update issued on Thursday 14 September, 2017, by the Climate Prediction Centre, during August, ENSO-neutral conditions were apparent in the weekly fluctuation. While temperature anomalies were variable at the surface, they became increasingly negative in the sub-surface ocean, due to the shoaling of the thermocline across the east-central and eastern Pacific. Tropical convection was suppressed over the western and central Pacific Ocean and slightly enhanced near Indonesia. The low-level trade winds were stronger than average over a small region of the far western tropical Pacific Ocean, and upper-level winds were anomalously easterly over a small area of the east-central Pacific. Overall, the ocean and atmosphere system remains consistent with ENSO-neutral.

The majority of models favor ENSO-neutral through the Northern Hemisphere 2017-18 winter. However, the most recent predictions from the NCEP Climate Forecast System and the North American Multi-Model Ensemble (NMME) indicate the formation of La Niña as soon as the Northern Hemisphere fall (September to December)2017. Forecasters favor these predictions in part because of the recent cooling of surface and sub-surface temperature anomalies, and also because of the higher degree of forecast skill at this time of year.

The latest Caribbean Climate Outlook Forum (CARICOF) precipitation outlook, for the period September-October-November indicates that Guyana can expect a 40% probability of below-normal, 35% normal and 25% above-normal. For a Regional forecast please see the Guyana's Seasonal Climate Outlook September-October-November 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 in the second dry season of the year. Considering the present conditions and forecast conditions, Guyana is likely to experience dry conditions during the next three months. Please note that the dry seasons in not a period of no rainfall, but a period significant reduction precipitation, hence, periods of heavy downpours are still likely.

Update in the bulletin is provided daily by the Hydromet Service: www.hydromet.gov.gy

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