

***MINISTRY OF AGRICULTURE
HYDROMETEOROLOGICAL SERVICE***

WEATHER BRIEF for Wednesday, June 21, 2017 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00 hrs Wednesday June 21, 2017, were available for most of the stations.

The highest rainfall of 51.4 mm was recorded at Wales Front W.B.D in Region 3.

Synopsis: Low level convergence is affecting Guyana.

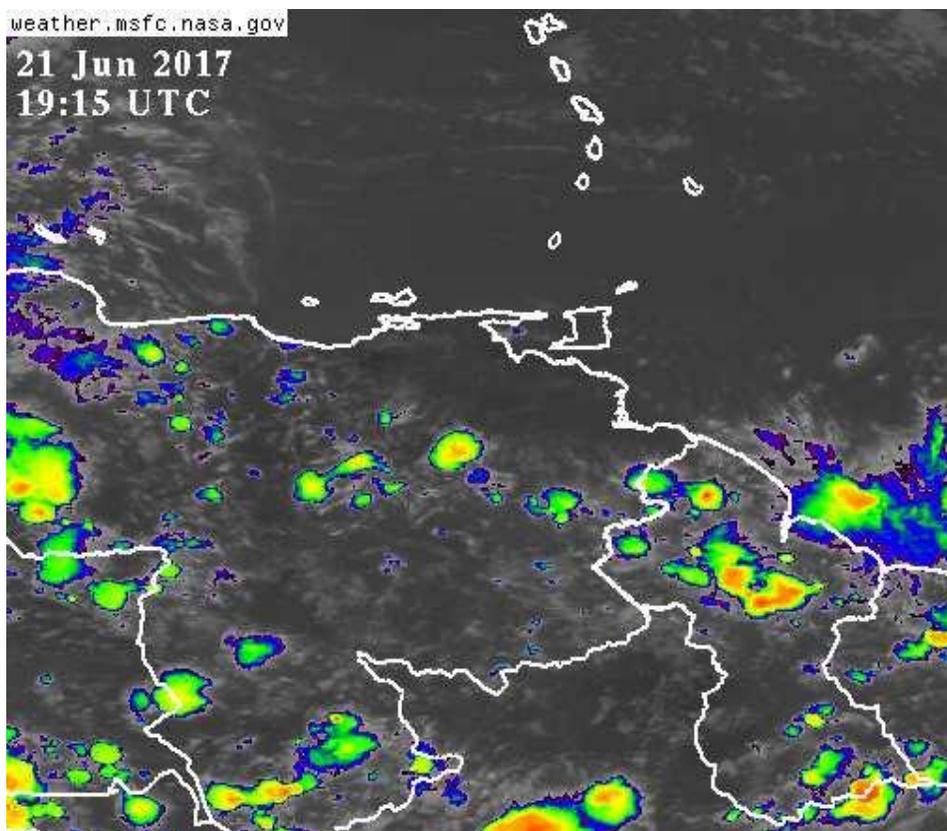
Today's weather review: All Regions observed mostly cloudy skies with light to moderate showers and isolated thundershowers.

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

| Wednesday June 21, 2017 (19:00 hrs – 07:00 hrs) | | | Thursday June 22, 2017 (07:00 hrs – 19:00 hrs) | | |
|---|---|--|--|--|---|
| Regions | Weather Conditions | Cloudy skies with light to moderate showers can be expected throughout Guyana; some areas can expect possible isolated thundershowers. | Regions | Weather Conditions | Cloudy skies with light to moderate showers and isolated thundershowers can be expected throughout Guyana. |
| Regions 1 to 10 |  Rainfall between: 10.0 mm to 40.0 mm. | <u>Winds:</u> Coast: North-easterly between 2 m/s and 4 m/s. Strong winds can be expected before and during heavy downpours. Hinterland: Light to calm. Strong winds can be expected before and during heavy downpours. | Regions 1 & 2 |  Rainfall between: 0.0 mm and 20.0 mm | <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. Hinterland: North-easterly to easterly between 2 m/s and 4 m/s. Strong winds can be expected before and during heavy downpours. |
| | | <u>Minimum temperatures:</u> Coast: 22 °C – 24°C Hinterland: 18 °C – 22 °C | Regions 3 to 10 |  Rainfall between: 10.0 mm and 50.0 mm | <u>Maximum temperatures:</u> Coast: 27 °C – 31°C Hinterland: 26 °C – 32 °C |

The long-term daily average rainfall for Georgetown, for the next 10 days, June 21 to June 30, 2017 is 10.6 mm per day.

Warnings: **CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE ADVISORY IS IN EFFECT UNTIL THURSDAY JUNE 29, 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 (15:15 hrs) Wednesday June 21, 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 (June 21,2017) | Tomorrow Morning (June 22, 2017) | | Tomorrow Afternoon (June 22, 2017) |
|-----------------------------------|---|--------|--|
| Low Tide 19:51hrs Height 0.74m | <b style="color: red;">High Tide 01:59hrs <b style="color: red;">Height 3.07m Low Tide 08:31hrs Height 0.49m | | <b style="color: red;">High Tide 15:04hrs <b style="color: red;">Height 2.88m |
| Sunrise | 05:38hrs | Sunset | 18:09hrs |

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

Extended Forecast

Friday: Cloudy to overcast skies with frequent moderate to heavy showers, light continuous rain and isolated thundershowers can be expected throughout Guyana. Rainfall is expected to range between 25.0 mm and 100.0 mm (1.0 in and 4.0 in) within a 24hrs period.

*Saturday thru' Tuesday: Cloudy skies with light to moderate showers and possible 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 20.0 and 60.0 mm (0.80 in and 2.4 in) within a 24hrs period.***

Water accumulation/or flooding are likely in low lying areas and those with poor drainage; hilly areas are likely to experience possible landslides.

Seasonal Information (UPDATED 16 May, 2017) – ENSO alert status: Not Active

ENSO-neutral and El Niño are nearly equally favoured during the Northern Hemisphere summer and fall 2017 (June to December).

According to the ENSO update issued on Thursday May 11, 2017, by the Climate Prediction Centre, ENSO-neutral conditions continued during April 2017. This was reflected in the near-average sea surface temperatures (SSTs) across the central equatorial Pacific and above-average SSTs in the eastern Pacific. The lower-level and upper-level winds were near average over most of the tropical Pacific. Overall, the ocean and atmosphere system remains consistent with ENSO-neutral conditions. Most models predict the onset of El Niño during the Northern Hemisphere summer (June-September); however, most of the statistical models are more conservative and indicate that while Niño-3.4 index may be near or greater than +0.5°C for several months, the warmth may not last long enough to qualify as an El Niño episode (5 consecutive overlapping seasons) and/or may not significantly impact the atmospheric circulation.

Relative to last month, the forecaster consensus reflects slightly lower chances of El Niño (~45%), in part due to the conflicting model guidance and lack of a clear shift toward El Niño in the observational data.

The latest Caribbean Climate Outlook Forum (CARICOF) precipitation outlook, for the period May-June-July indicates that Guyana can expect above normal (40 % probability) to normal (35 % probability) rainfall. Surface analysis shows that the Inter-tropical Convergence Zone (ITCZ) is currently meandering between northern Brazil and Guyana. These and other dynamic and thermodynamic features in the atmosphere indicate that Northern and Southern Guyana is into its rainy season. Considering the present conditions and forecast conditions, Guyana is likely to experience above normal to normal weather conditions during the next three months.

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

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