

***MINISTRY OF AGRICULTURE
HYDROMETEOROLOGICAL SERVICE***

WEATHER BRIEF for Saturday, July 15, 2017 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00 hrs Saturday July 15, 2017, were available for most of the stations.

The highest rainfall of 29.3 mm was recorded at Santa Rosa in Region 1.

Synopsis: Moderate instabilities ahead of an approaching tropical wave are affecting Guyana.

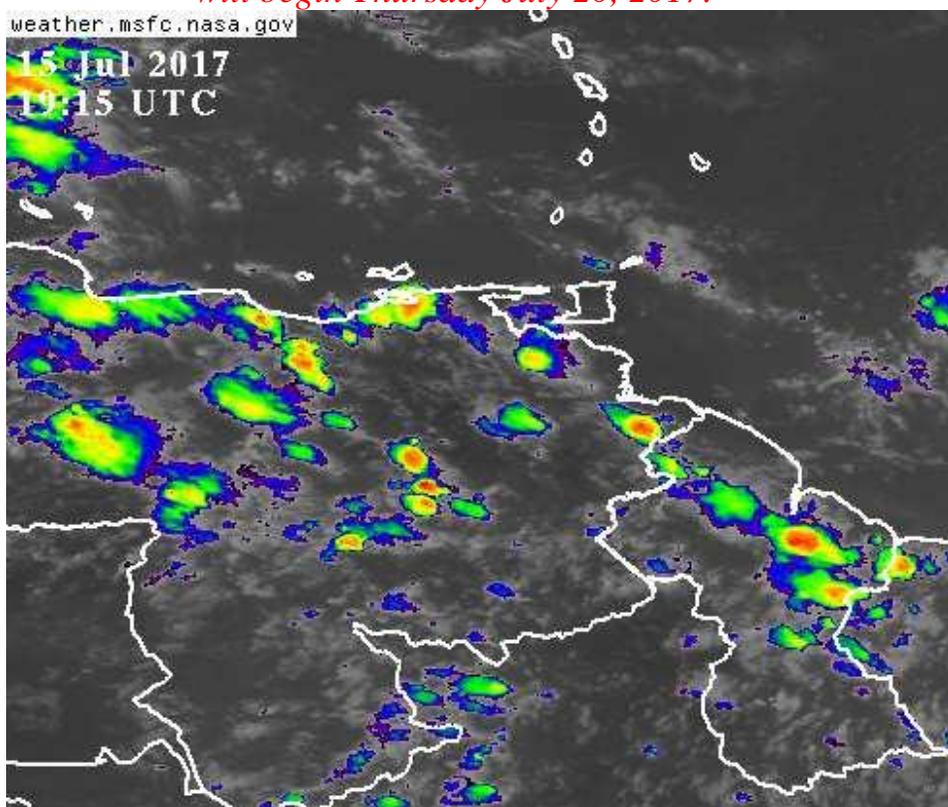
Today's weather review: All Regions observed partly cloudy to cloudy skies with light to moderate showers; some areas observed isolated thundershowers during the afternoon.

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

Saturday July 15, 2017 (19:00 hrs – 07:00 hrs)			Sunday July 16, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions		Regions	Weather Conditions	
Regions 1 to 10	 Rainfall between: 0.0 mm to 25.0 mm over coastal areas; other locations can expect values between 10.0 mm and 40.0 mm.	Cloudy skies with light to moderate showers can be expected throughout Guyana; some areas can expect isolated thundershowers. <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. <u>Minimum temperatures:</u> Coast: 22 °C – 25°C Hinterland: 18 °C – 22 °C	Regions 1 to 10	 Rainfall between: 0.0 mm and 30.0 mm over coastal areas; other locations can expect values between 10.0 mm and 50.0 mm.	Cloudy skies with light to moderate showers and isolated thundershowers can be expected throughout Guyana; conditions are likely to improve over some coastal areas during the afternoon. <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>Maximum temperatures:</u> Coast: 29 °C – 32°C Hinterland: 28 °C – 33 °C

The long-term daily average rainfall for Georgetown, for the next 10 days, July 15 to July 24, 2017 is 8.2 mm per day.

Warnings: Above normal high tides is NOT in effect. The next period of above normal high tides will begin Thursday July 20, 2017.



Infra-red Satellite image valid 19:15 UTC (15:15 hrs) Saturday July 15, 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 (July 15, 2017)	Tomorrow Morning (July 16, 2017)		Tomorrow Afternoon (July 16, 2017)
High Tide 20:17hrs Height 2.67m	Low Tide 02:42hrs Height 1.07m High Tide 09:05hrs Height 2.52m		Low Tide 15:04hrs Height 0.92m
Sunrise	05:43hrs	Sunset	18:12hrs

Sea conditions: SLIGHT TO MODERATE SEAS WITH WAVES REACHING HEIGHTS OF 1.5 TO 2.0 METERS IN OPEN WATERS

Extended Forecast

Monday thru' Friday:* Cloudy skies with light to moderate 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 (0.40 in and 1.6 in) over coastal areas; other locations can expect values between 20.0 mm 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 13 July, 2017) – ENSO alert status: Not Active

ENSO-neutral is favored (~50 to 55% chance) into the Northern Hemisphere winter 2017-18 (December 2017 to March 2018).

According to the ENSO update issued on Thursday July 13, 2017, by the Climate Prediction Centre, ENSO-neutral conditions continued during June 2017. Sea surface temperatures (SSTs) remained above average in the central and east-central Pacific Ocean. The upper-ocean heat content anomaly was above average during June, reflecting the above-average sub-surface temperatures across the central and eastern Pacific. In the atmosphere, tropical convection was suppressed over the west-central tropical Pacific and enhanced over the Maritime Continent. The lower-level and upper-level winds were near average over most of the tropical Pacific, and the Southern Oscillation Index (SOI) and Equatorial SOI were slightly negative to near-zero. 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, more than half of the models favour ENSO-neutral through the remainder of 2017. These predictions, along with the near-average atmospheric conditions over the Pacific, lead forecasters to favour ENSO-neutral into the winter (~50 to 55% chance). However, chances for El Niño remain elevated (~35-45%) relative to the long-term average.

The latest Caribbean Climate Outlook Forum (CARICOF) precipitation outlook, for the period July-August-September 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 oscillating between 08 ° North to 10 ° north. These and other dynamic and thermodynamic features in the atmosphere indicate that Guyana is slowly transitioning into the dry 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

Senior Meteorological Technician: L. Regis

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