

***MINISTRY OF AGRICULTURE
HYDROMETEOROLOGICAL SERVICE***

WEATHER BRIEF for Tuesday, August 08, 2017 from the Hydrometeorological Service, Guyana



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

The highest rainfall of 45.0 mm was recorded at Bartica Forestry in Region 7.

Synopsis: Day-time heating produced moderate to deep convective clouds over near inland and interior locations.

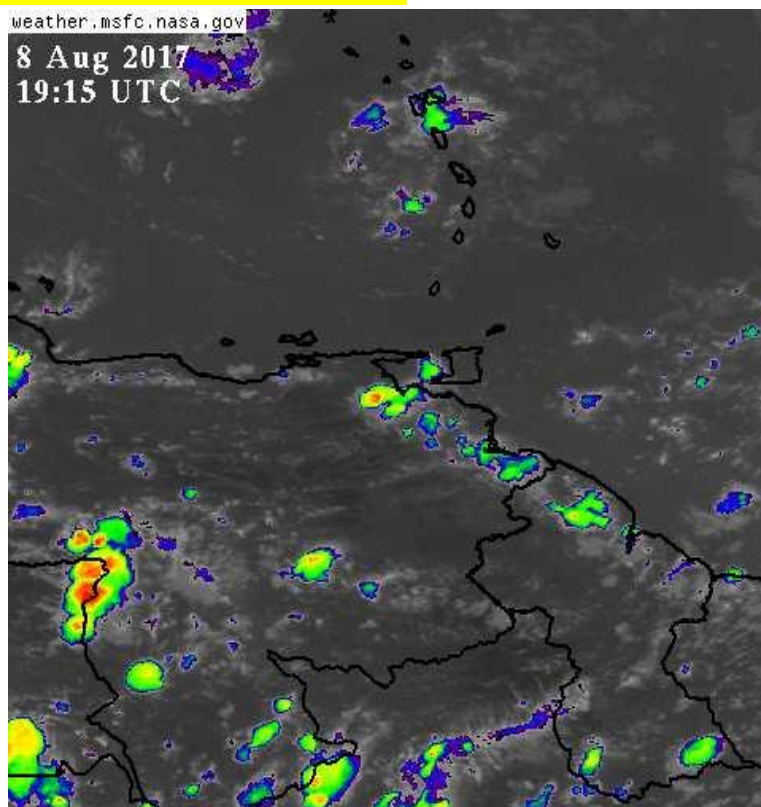
Today's weather review: All Regions observed partly cloudy and sunny skies; some near inland and interior locations observed isolated thundershowers during afternoon.

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

Tuesday August 08, 2017 (19:00 hrs – 07:00 hrs)			Wednesday August 09, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions		Regions	Weather Conditions	
Regions 1 to 10	 Rainfall between: 0.0 mm and 25.0 mm.	Fair to cloudy skies with scattered light to moderate showers can be expected throughout Guyana; some locations 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 – 24°C Hinterland: 18 °C – 22 °C	Regions 1 to 10	 Rainfall between: 0.0 mm and 30.0 mm	Partly cloudy to 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, August 08 to August 17, 2017 is 6.4 mm per day.

Warnings: **CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE ADVISORY IS IN EFFECT UNTIL SUNDAY AUGUST 13, 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) Tuesday August 08, 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 August 08,2017)		Tomorrow Morning (August 09, 2017)		Tomorrow Afternoon (August 09, 2017)	
Low Tide 22:43 hrs Height 0.78m		High Tide 04:58 hrs Height 3.01m Low Tide 11:08 hrs Height 0.43m		High Tide 17:15 hrs Height 2.93m	
Sunrise		05:46hrs	Sunset		18:09hrs

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

Extended Forecast

Thursday and Friday: Partly cloudy to 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 0.0 mm and 30.0 mm (0.0 in and 1.2 in) within a 24hrs period.**

Saturday thru' Monday: Partly cloudy and sunny skies with scattered showers can be expected throughout Guyana; some inland and interior locations can expect isolated thundershowers afternoon. **Rainfall is expected to range between 0.0 mm and 20.0 mm (0.0 in and 0. 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

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