

***MINISTRY OF AGRICULTURE
HYDROMETEOROLOGICAL SERVICE***

WEATHER BRIEF for Tuesday, July 11, 2017 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00 hrs Tuesday July 11, 2017, were available for most of the stations.

The highest rainfall of 59.8 mm was recorded at John's Village in Region 6.

Synopsis: A surface to mid-level trough is affecting Guyana.

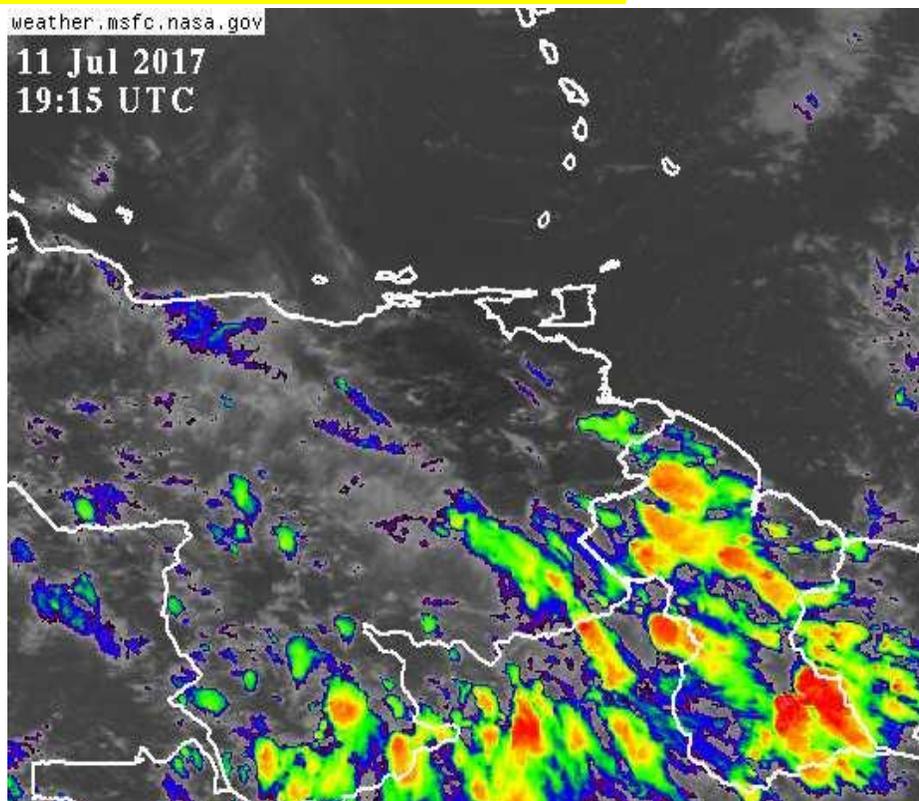
Today's weather review: All Regions observed partly cloudy and sunny skies with scattered showers, however some areas in Regions 1, 7, 8 and 10 observed isolated thundershowers during the afternoon.

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

Tuesday July 11, 2017 (19:00 hrs – 07:00 hrs)			Wednesday July 12, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions		Regions	Weather Conditions	
Regions 1 to 10	 Rainfall between: 0.0 mm to 30.0 mm.	<p>Partly cloudy to cloudy skies with scattered showers can be expected throughout Guyana; some inland and interior locations can expect isolated thundershowers.</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. Hinterland: Light to calm. Strong winds can be expected before and during heavy downpours.</p> <p><u>Minimum temperatures:</u> Coast: 22 °C – 25°C Hinterland: 18 °C – 22 °C</p>	Regions 1 to 10	 Rainfall between: 0.0 mm and 20.0 mm over coastal areas; elsewhere 10.0 mm and 40.0 mm	<p>Partly cloudy and sunny skies with scattered showers can be expected throughout Guyana; inland and interior locations can expect isolated thundershowers during the afternoon.</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. 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: 29 °C – 32°C Hinterland: 28 °C – 33 °C</p>

The long-term daily average rainfall for Georgetown, for the next 10 days, July 11 to July 20, 2017 is 8.7 mm per day.

Warnings: CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE ADVISORY IS IN EFFECT UNTIL THURSDAY JULY 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 July 11, 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 11,2017)		Tomorrow Morning (July 12, 2017)		Tomorrow Afternoon (July 12, 2017)	
Low Tide 23:38hrs Height 0.92m		High Tide 05:54hrs Height 2.86m		Low Tide 12:08hrs Height 0.57m	
				High Tide 18:14hrs Height 2.77m	
Sunrise		05:43hrs	Sunset	18:12hrs	

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

Extended Forecast

Thursday and Friday:* Cloudy skies with light to moderate showers and isolated thundershowers can be expected throughout Guyana; conditions are expected 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 10.0 mm and 60.0 mm (0.40 in and 2.4 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 during the afternoon. **Rainfall is expected to range between 0.0 mm and 20.0 mm (0.0 in and 0.8 in) over coastal areas; other locations can expect values between 10.0 mm and 40.0 mm (0.40 in and 1.6 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 07 July, 2017) – ENSO alert status: Not Active

ENSO-neutral is favored (50 to ~55% chance) through the Northern Hemisphere fall 2017 (September to December).

According to the ENSO update issued on Thursday June 08, 2017, by the Climate Prediction Centre, ENSO-neutral conditions continued during May 2017. This was reflected in the sea surface temperatures (SSTs) which were above average in the east-central Pacific Ocean. The upper-ocean heat content anomaly increased during May, reflecting the expansion of above-average sub-surface temperatures across the central and eastern Pacific in association with a down welling oceanic Kelvin wave. 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 now favoring the continuation of ENSO-neutral. These predictions, combined with the near-average atmospheric conditions over the Pacific, have resulted in slightly more confidence for the persistence of ENSO-neutral (50 to ~55% chance). However, chances for El Niño remain elevated (35-50%) relative to the long-term average into the fall (September to December).

The latest Caribbean Climate Outlook Forum (CARICOF) precipitation outlook, for the period June-July- August 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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