

***MINISTRY OF AGRICULTURE
HYDROMETEOROLOGICAL SERVICE***

WEATHER BRIEF for Monday, August 07, 2017 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00 hrs Monday August 07, 2017, were available for some of the stations.

The highest rainfall of 30.0 mm was recorded at Soesdyke Forestry in Region 4.

Synopsis: The ITCZ was analysed along the Coast today. Ridging in the mid-level and confluencing in the upper-level combined to produce subsidence in the mid to upper-level. This subsidence prevented convective growth over the forecast area.

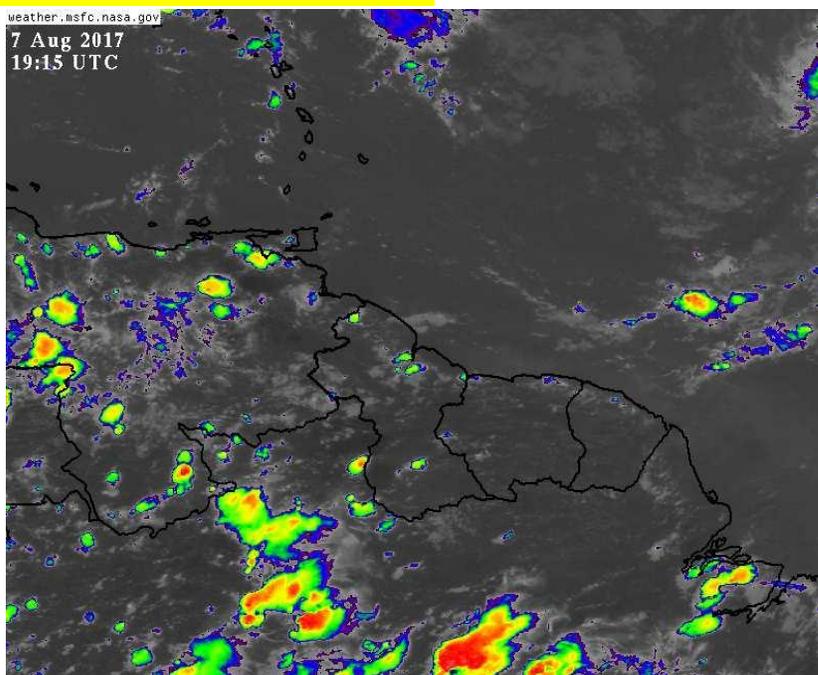
Today's weather review: Partly cloudy and sunny skies with isolated showers were observed throughout Guyana today. Periods of cloudy spells were experienced over parts of Regions 7 and 10.

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

Monday August 07, 2017 (19:00 hrs – 07:00 hrs)			Tuesday August 08, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions	Generally fair skies are likely throughout Guyana tonight. Parts of Regions 7 and 10 may also experience cloudy spells with a few light to moderate showers. All other locations may experience brief light showers.	Regions	Weather Conditions	Partly cloudy and sunny skies with brief isolated showers are expected throughout Guyana. Parts of Regions 7 and 10 can also expect afternoon cloudiness and scattered light to moderate showers.
Regions 1 to 10	 Rainfall between: 0.0 mm to 15.0 mm with the maximum over Regions 7 and 10	Winds: North-easterly to south-easterly between 1 m/s and 3 m/s. Minimum temperatures: Coast: 22 °C – 25°C Hinterland: 18 °C – 22 °C	Regions 1 to 10	 Rainfall between: 0.0 mm to 15.0 mm with the maximum over Regions 7 and 10	Winds: North-easterly to south-easterly between 2 m/s and 7 m/s. Maximum temperatures: Coast: 31 °C – 33°C Hinterland: 30 °C – 35 °C

The long-term daily average rainfall for Georgetown, for the next 10 days, August 07 to August 16, 2017 is 6.5 mm per day.

Warnings: **CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE ADVISORY IS IN EFFECT UNTIL SUNDAY 13 AUGUST, 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) Monday August 07, 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 06,2017)	Tomorrow Morning (August 07, 2017)		Tomorrow Afternoon (August 07, 2017)
<i>Low Tide 22:09 hrs Height 0.84m</i>	<i>High Tide 04:21 hrs Height 2.97m</i> <i>ABOVE NORMAL</i> <i>Low Tide 10:33 hrs Height 0.47m</i>		<i>High Tide 16:43 hrs Height 2.86 m</i> <i>ABOVE NORMAL</i>
<i>Sunrise</i>	<i>05:46hrs</i>	<i>Sunset</i>	<i>18:08hrs</i>

Sea conditions: SLIGHT SEAS WITH WAVES REACHING HEIGHTS OF 1.0 TO 1.5 METERS IN OPEN WATERS

Extended Forecast

Thursday: Partly cloudy to cloudy skies with scattered light to moderate showers are likely throughout Guyana. Parts of Regions 7 and 10 may also experience afternoon thundershowers. Rainfall is expected to range between **10.0 mm and 40.0 mm** with the maximum over Regions 7 and 10.

Rest of the forecast period: Partly cloudy and sunny skies are expected to prevail throughout Guyana during this period. Twenty-four hours rainfall is expected to range between **0 mm and 15 mm** with the maximum over Regions 7 and 10.

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

Chief Meteorologist. L. Alves

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