

MINISTRY OF AGRICULTURE HYDROMETEOROLOGICAL SERVICE

WEATHER BRIEF for Sunday, July 09, 2017 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00 hrs Sunday July 09, 2017, were available for most of the stations.

The highest rainfall of 36.6mm was recorded at 58 Miles Mabura Road in Region 10.

Synopsis: Localized conditions were responsible for the weather conditions observed throughout Guyana today.

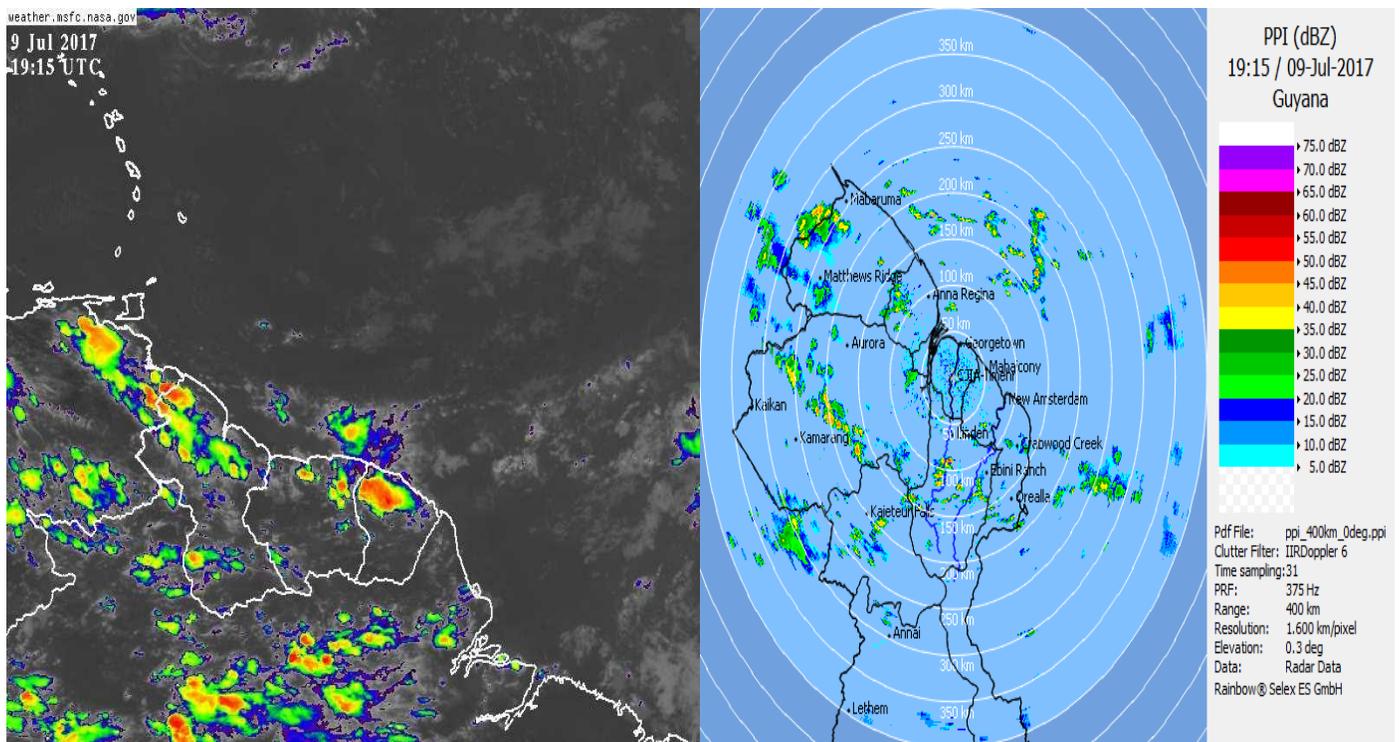
Today's weather review: Partly cloudy to cloudy skies with scattered light to moderate showers are expected throughout Guyana today. Some locations also experienced brief heavy showers.

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

Sunday July 09, 2017 (19:00 hrs – 07:00 hrs)			Monday July 10, 2017 (07:00 hrs – 19:00 hrs)		
Regions 1 to 6	 Rainfall between: 5.0 mm to 20.0 mm.	Partly cloudy skies becoming occasionally cloudy with scattered light to moderate showers are likely throughout Guyana tonight. Parts of Regions 7 to 10 may also experience isolated thundershowers. Winds: Varying directions becoming gusty during thundershowers.	Regions 2 to 6	 Rainfall between: 5.0 mm and 15.0 mm	Mostly cloudy skies with scattered light to moderate showers are likely throughout Guyana during the morning hours. Regions 2 to 6 can expect conditions to improve as the day progresses. All other locations can expect afternoon thundershowers. Winds: Varying directions becoming gusty during thundershowers.
All other locations	 Rainfall between: 10.0 mm to 30.0 mm.	Minimum temperatures: Coast: 20 °C – 23°C Hinterland: 16 °C – 20 °C	All other regions	 Rainfall between: 15.0 mm to 40.0 mm.	Maximum temperatures: Coast: 30 °C – 33°C Hinterland: 28 °C – 33 °C

The long-term daily average rainfall for Georgetown, for the next 10 days, July 09 to July 18, 2017 is 9.4 mm per day.

Warnings: **CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE ADVISORY IS IN EFFECT UNTIL THURSDAY 13 JULY, 2017. RESIDENTS OF LOW LYING, RIVERINE, AND FLOOD PRONE AREAS ARE ADVISED TO TAKE NECESSARY PRECAUTIONS AGAINST POSSIBLE FLOODING**



Infra-red Satellite and Radar images valid 19:15 UTC (15:15 hrs) Sunday July 09, 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 09,2017)	Tomorrow Morning (July 10, 2017)		Tomorrow Afternoon (July 10, 2017)
Low Tide 22:30hrs Height 0.93m	High Tide 04:41hrs Height 2.88m ABOVE NORMAL Low Tide 10:59hrs Height 0.55m		High Tide 17:08hrs Height 2.74m
Sunrise	05:42hrs	Sunset	18:12hrs

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

Extended Forecast

Tuesday and Wednesday: Cloudy skies with scattered light to moderate showers are expected during the early to mid-morning hours along the Coast. Conditions are likely to improve as during the afternoon hours. Twenty-four hours rainfall is expected to range between **10 mm and 25 mm**. All other locations can expect cloudy to overcast skies with light to moderate showers and frequent rain. Thundershowers are also likely during the afternoon and evening hours. Twenty-four hours accumulated rainfall is likely to range between **30 mm and 60 mm** with the maximum over Region 10.

Thursday thru' Saturday: Cloudy to overcast skies accompanied by intermittent rain and light to moderate showers are likely throughout Guyana during this period. Thundershowers are also likely over Region 6 to 10. Twenty-four hours accumulated rainfall is likely to range between **30 mm and 60 mm** with the maximum over Regions 7 and 8.

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

Meteorologist: L. Alves

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