

***MINISTRY OF AGRICULTURE
HYDROMETEOROLOGICAL SERVICE***

WEATHER BRIEF for Wednesday, September 13, 2017 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00 hrs Wednesday September 13, 2017, were available for most of the stations.

The highest rainfall of 35.4mm was recorded at Ituni in Region 10.

Synopsis: Ridging in the lower to mid-levels provided stable conditions for most locations. Localised instability, produced by diurnal heating, was prevalent during the afternoon hours over some locations.

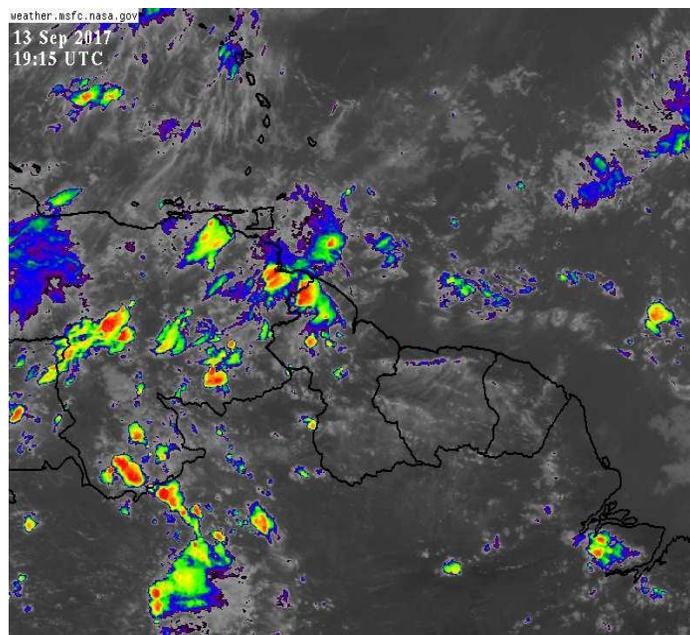
Today's weather review: Partly cloudy and sunny skies were observed along Coastal locations today. Cloudy skies with isolated thundershowers were observed over hinterland areas during the afternoon hours.

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

Wednesday September 13, 2017 (19:00 hrs – 07:00 hrs)			Thursday September 14, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions		Regions	Weather Conditions	
Coastal Regions 2 to 6	 Rainfall between: 0.0 mm and 5.0 mm.	Fair to partly cloudy skies with scattered showers can be expected over Regions 2 to 6. Mostly cloudy skies with light to moderate showers and isolated thundershowers are expected over all other locations. <u>Winds:</u> Varying directions between 2 m/s and 4 m/s. Strong and gusty winds can be expected before and during heavy downpours.	Coastal Regions 2 to 6	 Rainfall between: 5.0 mm and 15.0 mm	Partly cloudy to cloudy skies with brief isolated showers are likely throughout Guyana during the morning hours. Coastal Regions 2 to 6 can expect sunny skies during the afternoon hours. Region 9 can expect morning conditions to continue during the afternoon hours. All other locations can expect cloudy to overcast skies with isolated thundershowers during the afternoon hours.
All other locations	 Rainfall between: 0.0 mm to 30.0 mm. Maximum over Regions 7 and 10	<u>Minimum temperatures:</u> Coast: 22 °C – 25°C Hinterland: 18 °C – 22 °C	Region 9	 Rainfall between: 0.0 mm and 5.0 mm	<u>Winds:</u> North-easterly to south-easterly between 4 m/s and 8 m/s. Strong winds can be expected before and during heavy downpours.
			All other locations	 Rainfall between: 10.0 mm and 35.0 mm	<u>Maximum temperatures:</u> Coast: 30 °C – 33°C Hinterland: 29 °C – 35 °C

The long-term daily average rainfall for Georgetown, for the next 10 days, September 13 to 22 is 3.2 mm.

Warnings: **NIL.**



Infra-red Satellite image valid 19:15 UTC (15:15 hrs) Wednesday 13 September, 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 September 13,2017)	Tomorrow Morning (September 14, 2017)		Tomorrow Afternoon (September 14,2017)
<i>High Tide 21:33hrs Height 2.61m</i>	<i>Low Tide 04:22hrs Height 0.99m</i> <i>High Tide 11:16hrs Height 2.38m</i>		<i>Low Tide 16:45 hrs Height 1.13m</i>
<i>Sunrise</i>	<i>05:42hrs</i>	<i>Sunset</i>	<i>17:52hrs</i>

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

Extended Forecast

Friday and Saturday: Mostly cloudy skies, becoming occasionally overcast, accompanied by light to moderate showers and isolated thundershowers are likely to prevail over Regions 1 to 8 and 10. Coastal locations can expect conditions to improve during the afternoon hours. Region 9 can expect cloudy skies with scattered showers. Twenty-four hours accumulated rainfall is likely to range between **25 mm and 50 mm** over Regions 1 to 8 and 10 and between **0 mm and 15 mm** over Region 9.

Sunday thru' Tuesday: Partly cloudy and sunny are likely over Coastal Regions 2 to 6 and Region 9 during this period. Some locations can expect isolated showers. Twenty-four hours rainfall is likely to range between **0 mm and 5 mm**. All other locations can expect cloudy skies with scattered showers during the morning hours. Occasionally overcast skies with isolated thundershowers are expected during the afternoon and evening hours. Twenty-four hours accumulated rainfall is forecast to range between **20 mm and 40 mm**.

Seasonal Information (UPDATED 10 August, 2017) – ENSO alert status: Not Active

ENSO-neutral is favored (~85% chance during Jul-Sep, decreasing to ~55% during Dec-Feb) through the Northern Hemisphere winter 2017-18.

According to the ENSO update issued on Thursday 10 August, 2017, by the Climate Prediction Centre, during July, ENSO-neutral continued, as equatorial sea surface temperatures (SSTs) were near average across most of the Pacific Ocean. The upper-ocean heat content anomaly was near average during Jul, reflecting below-average temperatures along the thermocline across the central and eastern Pacific overlain by slightly above-average temperatures. Tropical convection was near average over the eastern half of the Pacific and enhanced over the western Pacific and the Maritime Continent. The lower-level trade winds were slightly enhanced near the International dateline, and upper-level winds were near average over most of the tropical Pacific. Overall, the ocean and atmosphere system remains consistent with ENSO-neutral.

The majority of models favor ENSO-neutral through the remainder of 2017. These predictions, along with the demise of the recent Pacific warmth and continued near-average atmospheric conditions over the Pacific, lead forecasters to favor ENSO-neutral through to March 2018. However, some chance for El Niño (15-20%) or La Niña (25-30%) remains during December 2017 to March 2018. Also, ENSO-neutral conditions are predicted for the upcoming peak months (August-October) of the Atlantic hurricane season.

The latest Caribbean Climate Outlook Forum (CARICOF) precipitation outlook, for the period August-September-October indicates that Guyana has equal probability of above-normal, normal and below normal. For a Regional forecast please see the Guyana's Seasonal Climate Outlook August-September-October produced by the Climatological section of the Hydrometeorological Service. Surface analysis shows that the Inter-tropical Convergence Zone (ITCZ) is currently oscillating mostly between 06 ° North to 10 ° north. Additionally, the tropical waves are now passing further north. These and other dynamic and thermodynamic features in the atmosphere indicate that Guyana is in the second dry season of the year. Considering the present conditions and forecast conditions, Guyana is likely to experience dry conditions during the next three months. Please note that the dry seasons in not a period of no rainfall, but a period significant reduction precipitation, hence, periods of heavy downpours are still likely.

Update in the bulletin is provided daily by the Hydromet Service: www.hydromet.gov.gy

Meteorologist: L.Alves

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