

***MINISTRY OF AGRICULTURE
HYDROMETEOROLOGICAL SERVICE***

WEATHER BRIEF for Thursday, August 31, 2017 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00 hrs Thursday August 31, 2017, were available for most of the stations.

The highest rainfall of 28.7 mm was recorded at Soesdyke Forestry in Region 4.

Synopsis: Weak to moderate instabilities are affecting Guyana.

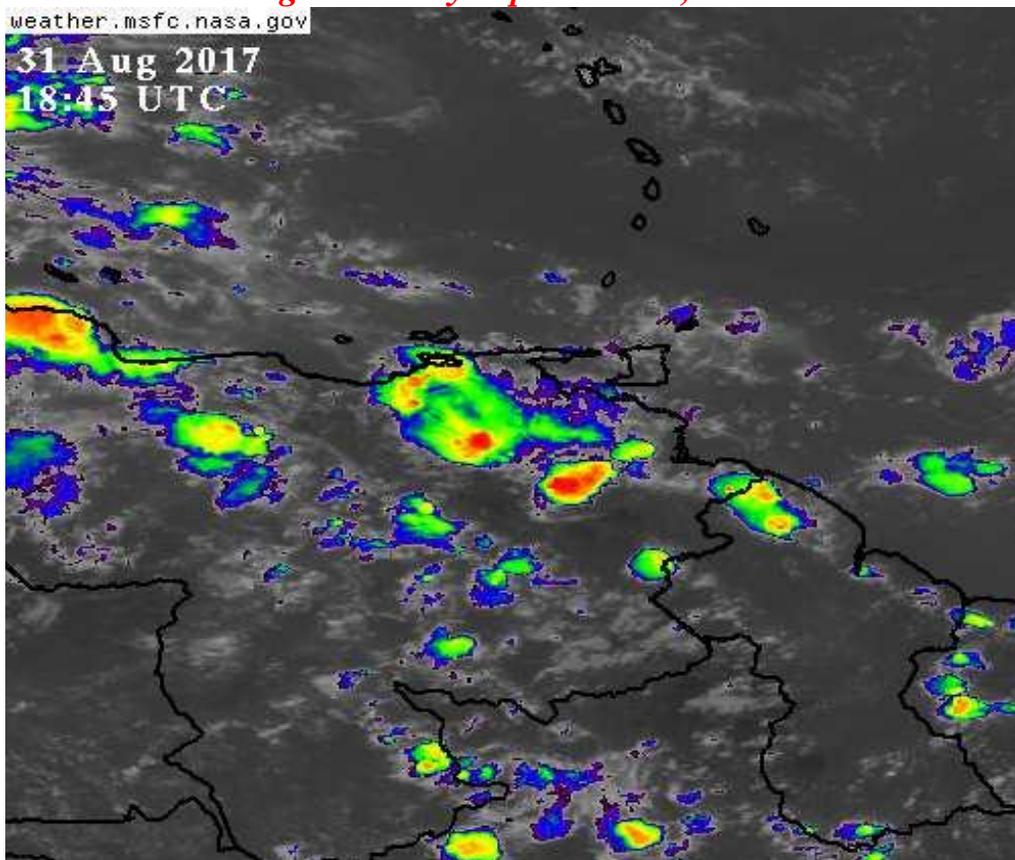
Today's weather review: All Regions observed partly cloudy and sunny skies; some areas observed weak to moderate thundershowers during afternoon.

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

Thursday August 31, 2017 (19:00 hrs – 07:00 hrs)			Friday September 01, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions		Regions	Weather Conditions	
Regions 1 to 10	 <p>Rainfall between: 0.0 mm to 20.0 mm.</p>	<p>Partly cloudy to cloudy skies with scattered light to moderate showers can be expected throughout Guyana; some areas can expect isolated thundershowers.</p> <p><u>Winds:</u></p> <p>Coast: North-easterly between 2 m/s and 4 m/s. Strong winds can be expected before and during heavy downpours.</p> <p>Hinterland: Light to calm. Strong winds can be expected before and during heavy downpours.</p> <p><u>Minimum temperatures:</u></p> <p>Coast: 22 °C – 25°C</p> <p>Hinterland: 18 °C – 22 °C</p>	Regions 1 to 10	 <p>Rainfall between: 0.0 mm and 30.0 mm</p>	<p>Partly cloudy and sunny skies can be expected throughout Guyana; some areas can expect periods of cloudiness with scattered light to moderate showers and isolated thundershowers.</p> <p><u>Winds:</u></p> <p>Coast: North-easterly to south-easterly between 4 m/s and 8 m/s. Strong winds can be expected before and during heavy downpours.</p> <p>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></p> <p>Coast: 29 °C – 32°C</p> <p>Hinterland: 28 °C – 33 °C</p>

The long-term daily average rainfall for Georgetown, for the next 10 days, August 31 to September 09, 2017 is 3.3 mm per day.

Warnings: Above normal high tides is not in effect. The next period of above normal high tides will begin Monday September 04, 2017.



Infra-red Satellite image valid 18:45 UTC (14:45 hrs) Thursday August 31, 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 31,2017)	Tomorrow Morning (September 01, 2017)		Tomorrow Afternoon (September 01, 2017)
--:--	High Tide 00:31 hrs Height 2.44 m Low Tide 06:44hrs Height 1.01m		High Tide 13:07hrs Height 2.26m
<i>Sunrise</i>	05:44hrs	<i>Sunset</i>	17:59hrs

Sea conditions: SLIGHT TO MODERATE SEAS WITH WAVES REACHING HEIGHTS OF 1.5 TO 2.0 METERS IN OPEN WATERS

Extended Forecast

Saturday thru' Wednesday: Partly cloudy and sunny skies with scattered showers can be expected throughout Guyana; some areas can expect isolated thundershowers during the afternoon. Rainfall is expected to range between 0.0 mm and 25.0 mm (0.0 in and 1.0 in) within a 24hrs period.

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

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