

MINISTRY OF AGRICULTURE HYDROMETEOROLOGICAL SERVICE

WEATHER BRIEF for Thursday, August 10, 2017 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00 hrs Thursday August 10, 2017, were available for most of the stations.

The highest rainfall of 15.6 mm was recorded at Wauna White Water in Region 1.

Synopsis: The ITCZ was analysed along the Coast during the morning hours. This produced some disturbed weather over Regions 1 and 2. A lack of upper level support prevented widespread deep convective weather. An approaching trough at the mid-levels is likely to produce some showers during tonight and tomorrow morning.

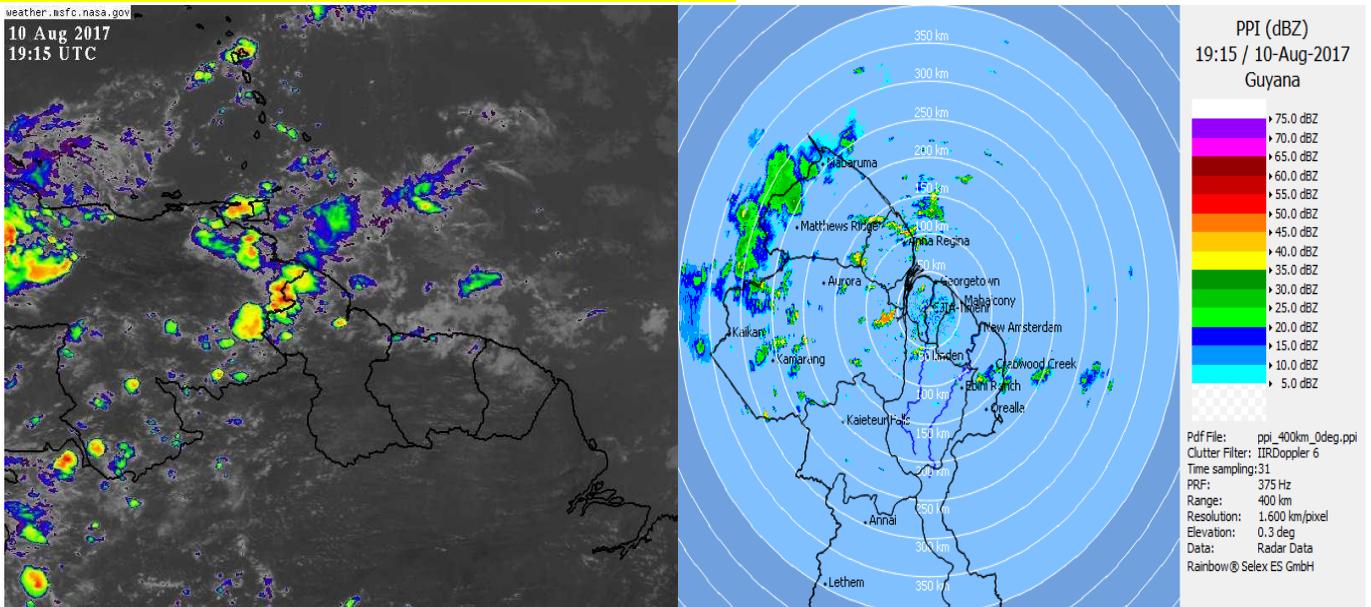
Today's weather review: Cloudy skies with a few showers were experienced over Regions 3 to 10. Cloudy to overcast skies with moderate convective showers were experienced over Regions 1 and 2.

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

Thursday August 10, 2017 (19:00 hrs – 07:00 hrs)			Friday August 11, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions	Mostly cloudy skies are expected over Regions 1 to 7 and 10. Regions 3 to 6 and 10 can also expect scattered light to moderate showers. Regions 1, 2 and 7 may experience moderate showers with possible isolated thundershowers. Regions 8 and 9 can expect generally fair weather.	Regions	Weather Conditions	Partly cloudy to cloudy skies are expected to prevail over Regions 1 to 7 and 10. Regions 3 to 6 may experience a few showers during the morning hours. Regions 1, 2 and 7 can expect scattered moderate showers predominantly during the afternoon hours. Regions 8 and 9 can expect partly cloudy and sunny skies.
Regions 3 to 6 and 10	 Rainfall between: 5.0 mm to 15.0 mm.	Winds: North-easterly to south-easterly 1 m/s and 3 m/s. Strong winds can be expected before and during heavy downpours.	Regions 3 to 6 and 10	 Rainfall between: 5.0 mm and 15.0 mm	Winds: North-easterly to south-easterly between 3 m/s and 8 m/s. Strong winds can be expected before and during heavy downpours.
Regions 1, 2 and 7	 Rainfall between: 10.0 mm to 25.0 mm.	Minimum temperatures: Coast: 22 °C – 25°C Hinterland: 18 °C – 22 °C	Regions 1, 2 and 7	 Rainfall between: 10.0 mm and 25.0 mm	Maximum temperatures: Coast: 30 °C – 33°C Hinterland: 30 °C – 34 °C
Regions 8 and 9	 Rainfall between: 0.0 mm to 5.0 mm.		Regions 8 and 9	 Rainfall between: 0.0 mm and 5.0 mm	

The long-term daily average rainfall for Georgetown, for the next 10 days, August 10 to August 19, 2017 is 6.3 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 and Radar images valid 19:15 UTC (15:15 hrs) Thursday 10 August, 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 10, 2017)	Tomorrow Morning (August 11, 2017)		Tomorrow Afternoon (August 11, 2017)
<i>Low Tide 23:57 hrs Height 0.75m</i>	<i>High Tide 06:15 hrs Height 2.96m ABOVE NORMAL</i>		<i>Low Tide 12:20 hrs Height 0.48m High Tide 18:24 hrs Height 2.94m ABOVE NORMAL</i>
<i>Sunrise</i>	<i>05:46hrs</i>	<i>Sunset</i>	<i>18:08hrs</i>

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

Extended Forecast

Friday thru' Wednesday: Partly cloudy and sunny skies with brief showers are expected to prevail throughout Guyana during this period. Showers are expected to occur predominantly during the morning hours. Parts of Regions may also experience cloudy spells with light to moderate showers during the late afternoon hours. Twenty-four hours accumulated rainfall is forecast to range between **5 mm and 20 mm** over Region 7 and between **0 mm and 5 mm** elsewhere.

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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