

***HYDROMETEOROLOGICAL SERVICE
MINISTRY OF AGRICULTURE***

WEATHER BRIEF for Monday July 09, 2018 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00hrs Monday July 09, 2018, were available for most of the stations.

Highest rainfall of 33.0mm was recorded at Bush Lot (water side) in Region 5.

Synopsis: The ITCZ was analysed along Guyana's today. This system is likely to return during the early morning hours.

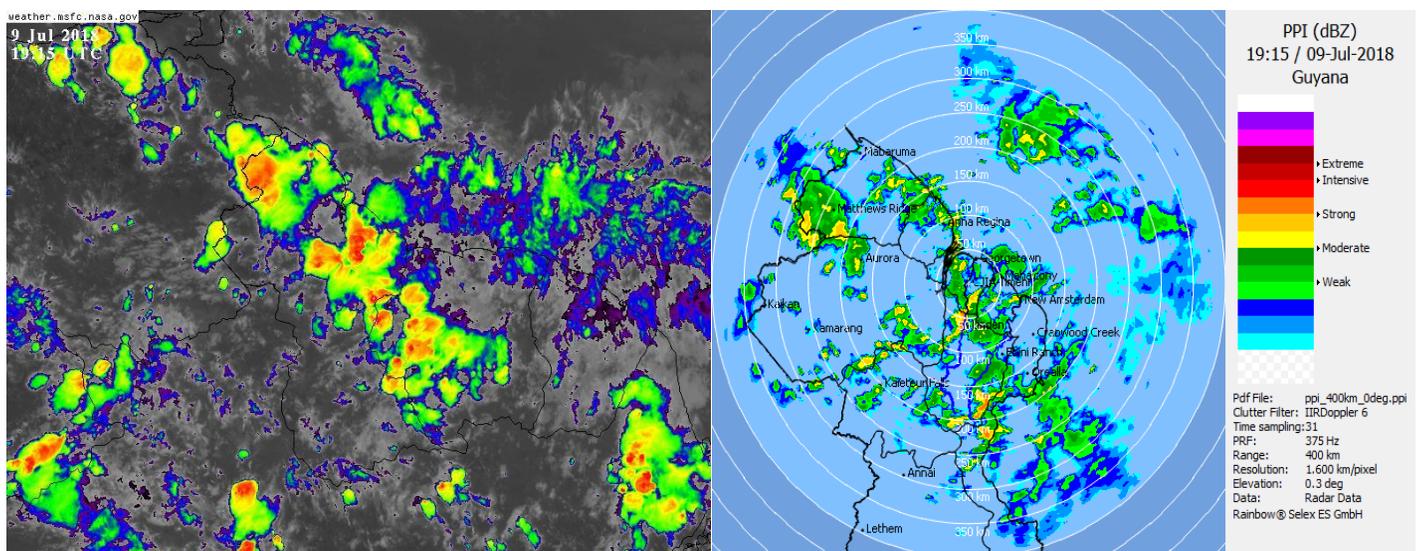
Today's weather review: Mostly cloudy skies becoming occasionally overcast was observed throughout Guyana today. Light to moderate showers and intermittent top frequent rain was observed over all regions. Parts of Regions 1 to 7 and 10 also experience episodes of heavy showers and isolated thundershowers.

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

Monday July 09, 2018 (19:00 hrs. – 07:00 hrs.)			Tuesday July 10, 2018 (07:00 hrs. – 19:00 hrs.)		
Regions	Weather Conditions	Mostly cloudy skies are likely over all regions. Light to moderate showers and intermittent rain are likely along the coast during the evening hours. Precipitation is likely to increase in intensity and frequency during the early morning hours. All other areas may experience isolated thundershowers and light to moderate showers.	Regions	Weather Conditions	Mostly cloudy skies are expected over the forecast area. Coastal locations may experience frequent rain and light to moderate showers. Thundershowers are also likely over regions 2 to 4. All other areas may experience frequent rain and light to moderate showers. Thundershowers are also expected during the afternoon hours.
Coast	 Rainfall between: 10.0 mm to 35.0 mm.	<p><u>Winds:</u> Varying directions between 3 m/s and 5 m/s, becoming gusty at times.</p> <p><u>Minimum temperatures:</u></p> <p>Coast: 21 °C – 24°C</p> <p>Hinterland: 16 °C – 21 °C</p>	Regions 1 to 10	 Rainfall between: 15 mm and 40.0 mm	<p><u>Winds:</u> Varying directions between 3 m/s and 7 m/s, becoming gusty at times.</p> <p><u>Maximum temperatures:</u></p> <p>Coast: 28 °C – 30°C</p> <p>Hinterland: 25 °C – 30 °C</p>
All other areas	 Rainfall between: 30.0 mm to 55.0 mm.				

The long-term daily average rainfall for Georgetown, for the next 10 days, July 09, 2018 to July 18, 2018 is 9.4 per day.

Severe Weather Warnings: DUE TO THE FORECAST WEATHER CONDITIONS FLOODING/WATER ACCUMULATION MAY OCCUR OVER FLOOD PRONE AREAS AND MUDSLIDES OVER HILLY AREA.



Infra-red Satellite and Radar images valid 19:15 UTC (15:15hrs) Monday July 09, 2018

Our Mission: To Observe, archive and understand Guyana's weather, and Climate and provide meteorological, hydrological and oceanographic service in support of Guyana's national needs and international obligation.

HYDROMETEOROLOGICAL SERVICE
MINISTRY OF AGRICULTURE

Table # 2 Occurrences of high and low tides for the next 24 hours and the times for sunrise and sunset.

Tonight(July 09,2018)	Tomorrow Morning(July 10,2018)		Tomorrow Afternoon(July 10,2018)
--	High Tide 01:03hrs Height 2.86m ABOVE NORMAL Low Tide 07:39hrs Height 0.72m		High Tide 14:15hrs Height 2.66m
<i>Sunrise</i>	05:42 hrs	<i>Sunset</i>	18:11 hrs

HIGH TIDE ADVISORY: CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE ADVISORY IS IN EFFECT. PRECAUTION SHOULD BE TAKING AGAINST POSSIBLE FLOODING.

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

Extended Forecast

Wednesday, Thursday and Saturday: Cloudy to overcast skies are expected over Guyana. Coastal locations may always experience frequent rain and light to moderate showers. Thundershowers may also be experienced over regions 4 to 6. All other regions may experience intermittent rain and light to moderate showers. Southern region 9 and western regions 7 and 8 may also experience isolated thundershowers. Rainfall is likely to range between **20 mm and 50 mm**.

Friday and Sunday: Coastal areas may observe partly cloudy to cloudy skies with scattered light to moderate showers. Region 1 may also experience thundershowers on Friday. Rainfall is expected to range between **20 mm and 40 mm** over areas with thundershowers and between **5 mm and 20 mm** elsewhere. Cloudy skies with scattered showers are likely over all other locations. Parts of regions 7, 8 and 10 may also experience isolated thundershowers during the afternoon and evening hours. Rainfall is forecast to range between **20 mm and 40 mm** with the maximum over areas with thundershowers.

Seasonal Information (UPDATED June 14, 2018) – El Niño Watch

ENSO-neutral is favoured through Northern Hemisphere summer 2018, with the chance for El Niño increasing to 50% during fall, and ~65% during winter 2018-19.

According to the ENSO update issued on Thursday June 14, 2018, by the Climate Prediction Centre, during May 2018, ENSO-neutral conditions continued during may, as indicated by mostly average sea surface temperatures (SSTs) along the equator. The latest weekly Niño indices were near zero in all regions (between -0.2°C and 0.0°C), except for Niño-1-2, which remained negative. Positive subsurface temperature increased over the past month, as another downwelling equatorial oceanic Kelvin wave reinforced the already above-average subsurface temperatures. Low-level and upper-level winds were near average across the equatorial Pacific Ocean. Overall, oceanic and atmospheric conditions reflected ENSO-neutral.

The majority of models in the IRI/CPC plume predict ENSO-neutral to continue through the Northern Hemisphere summer 2018, with El Niño most likely thereafter. The forecaster consensus favours the onset of El Niño during the Northern Hemisphere fall, which would then continue through winter. These forecasts are supported by the ongoing build-up of heat within the tropical Pacific Ocean. In summary, ENSO-neutral is favoured through Northern Hemisphere summer 2018, with the chance for El Niño increasing to 50% during fall, and ~65% during winter 2018-19.

Surface analysis shows that the Inter-Tropical Convergence Zone (ITCZ) is currently oscillating mostly between 04 ° South to 09° North. Notwithstanding, added to this tropical waves continue to leave the African coast and make their way across the Atlantic and affect the western Atlantic region. This will increase the frequency and intensity of precipitation over the forecast area. This is an indication of the rainy season beginning.

Based on the current and expected ENSO conditions and the CARICOF precipitation outlook, Guyana can expect above normal to normal rainfall during the next three (3) months. For a Regional forecast please see the Guyana’s Seasonal Climate Outlook June-July-August 2018 produced by the Climatological section of the Hydrometeorological Service.

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

Meteorologist: L. Alves

Our Mission: To Observe, archive and understand Guyana’s weather, and Climate and provide meteorological, hydrological and oceanographic service in support of Guyana’s national needs and international obligation.