

HYDROMETEOROLOGICAL SERVICE

MINISTRY OF AGRICULTURE

WEATHER BRIEF for Wednesday July 11, 2018 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00hrs Wednesday July 11, 2018, were available for most of the stations.

Highest rainfall of 32.9 mm was recorded at Annai Rupununi in Region 9.

Synopsis: A weak low level trough and localised conditions were the drivers of today's weather.

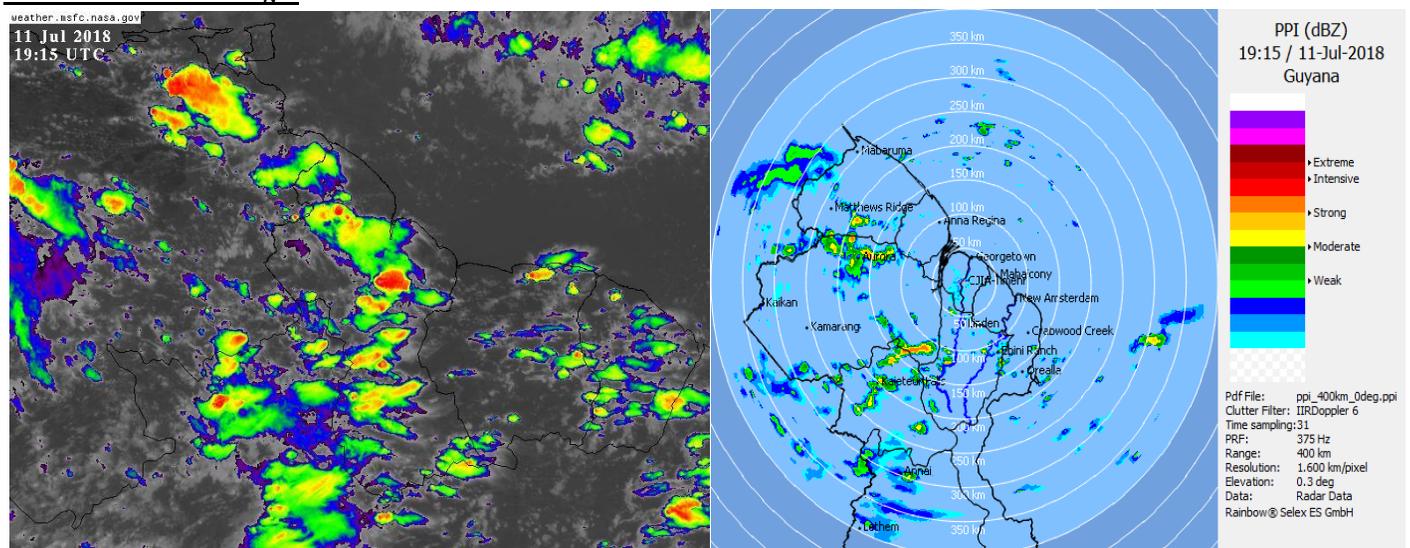
Today's weather review: The coast observed partly cloudy skies with a few showers during the morning hours. Conditions improved during the afternoon. All other areas saw mostly cloudy skies with showers during the morning and isolated thundershowers during the afternoon.

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

Wednesday July 11, 2018 (19:00 hrs. – 07:00 hrs.)			Thursday July 12, 2018 (07:00 hrs. – 19:00 hrs.)		
Regions	Weather Conditions		Regions	Weather Conditions	
Regions 1 to 6	 Rainfall between: 0.0 mm to 5.0 mm.	Partly cloudy skies with brief light showers are likely along the coast tonight. Region 1 may observe cloudiness with scattered showers during the early morning hours. All other areas may experience mostly cloudy skies with scattered moderate showers and isolated thundershowers.	Regions 1 to 6	 Rainfall between: 0.0 mm and 10.0 mm	Partly cloudy to cloudy skies with isolated showers are expected along the coast during the morning hours. Generally fair weather is likely during the afternoon. All other areas may observe varying cloudy skies with light to moderate showers during the morning. Regions 9 and 10 may observe improved conditions during the afternoon while parts of regions 7 and 8 may experience overcast spells with isolated thundershowers.
All other areas	 Rainfall between: 20.0 mm to 45.0 mm.		Regions 7 and 8	 Rainfall between: 15.0 mm and 40.0 mm	
		<u>Winds:</u> Mostly breezy becoming windy at times <u>Minimum temperatures:</u> Coast: 22 °C – 24°C Hinterland: 21 °C – 23 °C	Regions 9 and 10	 Rainfall between: 10.0 mm and 25.0 mm	<u>Winds:</u> Mostly light becoming breezy at times <u>Maximum temperatures:</u> Coast: 30 °C – 32°C Hinterland: 31 °C – 33 °C

The long-term daily average rainfall for Georgetown, for the next 10 days, July 11, 2018 to July 20, 2018 is 8.7 per day.

Severe Weather Warnings: NIL



Infra-red Satellite and radar images valid 19:15 UTC (15:15hrs) Wednesday July 11, 2018

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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 11,2018)	Tomorrow Morning(July 12,2018)		Tomorrow Afternoon(July 12,2018)
Low Tide 20:47 Height 0.69m	High Tide 02:48hrs Height 3.14m ABOVE NORMAL Low Tide 09:25hrs Height 0.39m		High Tide 15:59hrs Height 2.94m ABOVE NORMAL
Sunrise	05:42hrs	Sunset	18:12hrs

HIGH TIDE ADVISORY: Citizens are advised that above normal high tide advisory is in effect.

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

Extended Forecast

Friday Thru' Monday: Partly cloudy to cloudy skies with scattered showers are likely along the coast during the morning hours. Conditions are likely to improve as the day progresses. Between 0 mm and 15 mm rainfall is likely. All other regions may experience cloudy skies with scattered moderate showers. Region 7 may also experience isolated thundershowers during the afternoon. Between 10 mm and 35 mm rainfall is likely.

Tuesday: Cloudy to overcast skies are expected throughout Guyana. Coastal locations may also see light to moderate showers, intermittent rain and possible thundershowers. Between 15 mm and 40 mm rainfall is likely. All other areas can also expect frequent rain light to moderate showers and thundershowers. Between 25 mm and 60 mm rainfall is likely.

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

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