

***MINISTRY OF AGRICULTURE
HYDROMETEOROLOGICAL SERVICE***

WEATHER BRIEF for Monday June 11, 2018 from the Hydrometeorological Service, Guyana

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

Highest rainfall of 52.9mm was recorded at Bartica Agri in Region 7.

Synopsis: A tropical wave is currently affecting Guyana. Model forecast consensus shows over the coming week a series of additional Tropical Waves are expected to move thru the areas bringing more rainfall.

Today's weather review: Fair skies became frequently overcast with occasional to frequent light to moderate showers across most areas in Northern Guyana. Southern Guyana remained mainly fair to sunny with a few passing showers.

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

Monday June 11, 2018 (19:00 hrs. – 07:00 hrs.)			Tuesday June 12, 2018 (07:00 hrs. – 19:00 hrs.)		
Regions	Weather Conditions		Regions	Weather Conditions	
Regions 1 to 10	 Rainfall between: 20.0 mm to 45.0 mm.	Continued cloudy skies becoming overcast with moderate to heavy showers during the late evening into early morning. Winds: Mostly calm becoming windy at times Minimum temperatures: Coast: 22 °C – 24°C Hinterland: 18 °C – 22 °C	Regions 1 to 10	 Rainfall between: 15.0 mm and 40.0 mm	Overcast skies during the morning with occasional moderate showers and possible thundershowers. Conditions are expected to improve into the afternoon becoming partly sunny. Winds: Mostly light becoming breezy at times Maximum temperatures: Coast: 27°C – 29°C Hinterland: 28 °C – 30 °C

The long-term daily average rainfall for Georgetown, for the next 10 days, June 11, 2018 to June 20, 2018 is 11.7 per day.

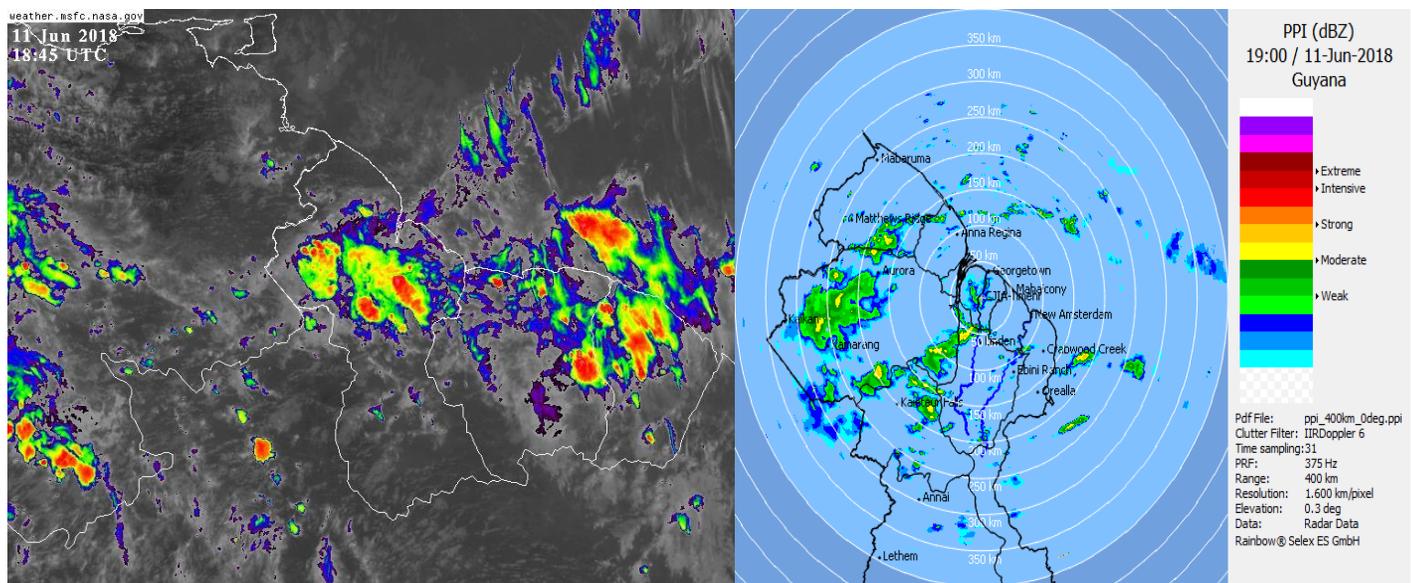


Table # 2 Occurrences of high and low tides for the next 24 hours and the times for sunrise and sunset.

Warnings: Above normal high tides are in effect until Tuesday June 19, 2018

Tonight(June 11,2018)	Tomorrow Morning(June 12,2018)	Tomorrow Afternoon(June 12,2018)
Low Tide 20:19hrs Height 0.77m	High Tide 02:21hrs Height 3.04m Above normal Low Tide 08:54hrs Height 0.53m	High Tide 15:25hrs Height 2.86m Above normal
Sunrise	05:36hrs	Sunset
		18:06hrs

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

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Extended Forecast

*Wednesday: Partly cloudy to cloudy skies with early morning and late afternoon showers can be expected throughout Guyana. **Rainfall is expected to range between 0.0 mm and 30.0 mm within a 24hrs period.***

Thursday thru Sunday: Mostly cloudy to overcast skies with frequent moderate to heavy rain showers and scattered thundershowers can be expected throughout Guyana. Rainfall is expected to range between 50.0 mm and 80.0 mm within a 24 hours' period, however on Friday and Saturday, rainfall amounts may exceed these values in some coastal areas.

Seasonal Information (UPDATED May 31, 2018) – Final La Niña Advisory

ENSO-neutral is favoured through September-November 2018, with the possibility of El Niño nearing 50% by Northern Hemisphere winter 2018-19.

According to the ENSO update issued on Thursday May 10, 2018, by the Climate Prediction Centre, during April 2018, the tropical Pacific returned to ENSO-neutral, as indicated by mostly near to-below average sea surface temperatures (SSTs) along the equator. The latest weekly Niño indices were near zero in all regions (between +0.2°C and -0.3°C), except for Niño-1+2, which remained negative. Subsurface temperature anomalies (averaged across 180°-100°W) remained positive, due to the continued influence of a downwelling oceanic Kelvin wave.

Atmospheric indicators related to La Niña also continued to fade. Low-level winds were near average over most of the tropical Pacific Ocean, and upper-level winds were anomalous westerly. Overall, the ocean and atmosphere system reflected a return to ENSO-neutral.

The majority of models in the IRI/CPC plume predict ENSO-neutral to continue at least through the Northern Hemisphere summer 2018. As the fall and winter approaches, many models indicate an increasing chance for El Niño. Therefore, the forecaster consensus hedges in the direction of El Niño as the winter approaches, but given the considerable uncertainty in ENSO forecasts made at this time of year, the probabilities for El Niño are below 50%.

In summary, ENSO-neutral is favored through September-November 2018, with the possibility of El Niño nearing 50% by Northern Hemisphere winter 2018-19.

Surface analysis shows that the Inter-Tropical Convergence Zone (ITCZ) is currently oscillating mostly between 02 ° South to 03 ° north. Notwithstanding, tropical waves have begun 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 a signal that the rainy season has finally began.

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 May-June-July 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
Senior Meteorological Technician : E. McPherson

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