

**MINISTRY OF AGRICULTURE
HYDROMETEOROLOGICAL SERVICE**

WEATHER BRIEF for Sunday June 3, 2018 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00hrs Sunday June 3, 2018, were available for most of the stations.

Highest rainfall of 35.2 mm was recorded at Anna Marie (Leguan) in Region 3.

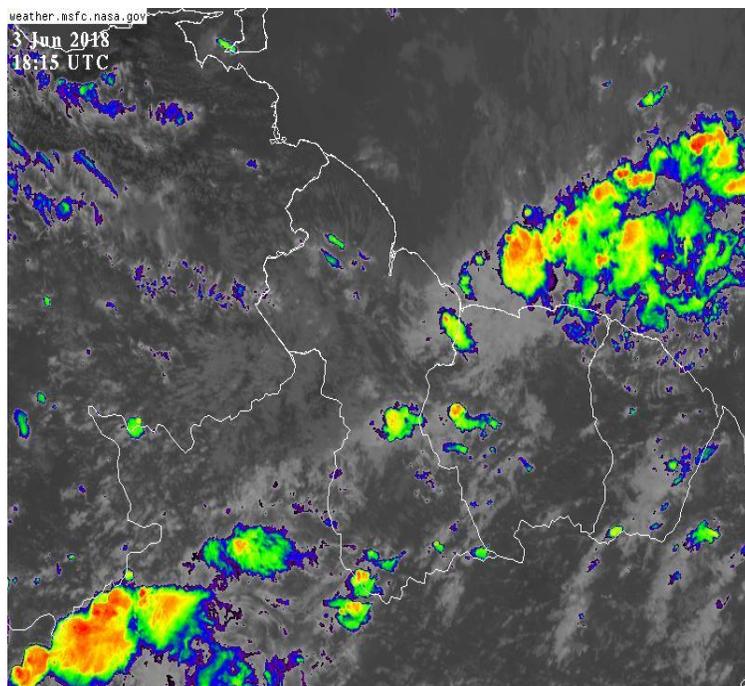
Synopsis: A Tropical wave is approaching the area. The axis of this wave lie behind an area of deep moisture and strong convergence and vertical velocities hence causing deep convective build-ups in front of the axis moving into Guyana.

Today's weather review: Sunny skies became cloudy to overcast with scattered to occasional showers.

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

Sunday June 03, 2018 (19:00 hrs. – 07:00 hrs.)			Monday June 04, 2018 (07:00 hrs. – 19:00 hrs.)		
Regions	Weather Conditions		Regions	Weather Conditions	
Regions 1 to 10	 Rainfall between: 30.0 mm to 60.0 mm.	<p>Continued cloudy skies becoming overcast with frequent showers and rain. Thunderstorms may be observed in some locations. Rainfall intensities are anticipated to be moderate to heavy at times.</p> <p>Winds: Mostly light becoming windy before and during showers</p> <p>Minimum temperatures: Coast: 21 °C – 23°C Hinterland: 18 °C – 21 °C</p>	Regions 1 to 10	 Rainfall between: 20.0 mm and 50.0 mm	<p>Morning overcast with occasional showers and rain during the morning, becoming fair but remaining cloudy in the afternoon.</p> <p>Winds: Mostly breezy becoming gusty before and during showers</p> <p>Maximum temperatures: Coast: 26 °C – 28°C Hinterland: 27 °C – 29 °C</p>

The long-term daily average rainfall for Georgetown, for the next 10 days, June 3, 2018 to June 12, 2018 is 11.2 per day.



Infra-red Satellite image valid 18:15 UTC (14:15hrs) Sunday June 3, 2018

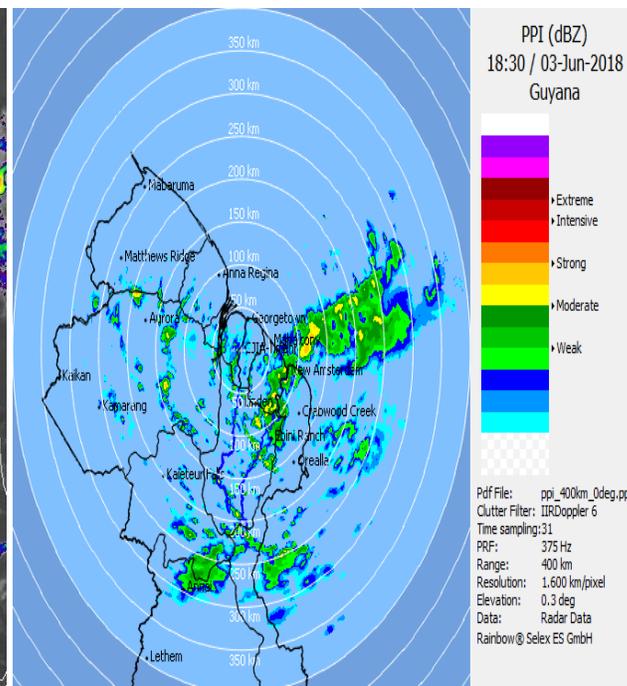


Table # 2 Occurrences of high and low tides for the next 24 hours and the times for sunrise and sunset.

Warnings:

Tonight(June 03, 2018)	Tomorrow Morning(June 04, 2018)	Tomorrow Afternoon(June 04, 2018)
<p>High Tide 19:10hrs Height 2.48m</p>	<p>Low Tide 01:07hrs Height 1.26m</p> <p>High Tide 07:26hrs Height 2.48m</p>	<p>Low Tide 13:51hrs Height 0.96m</p>
Sunrise	05:36hrs	Sunset
		18:05hrs

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

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Extended Forecast

Tuesday, Wednesday and Saturday: Mostly cloudy skies with occasional showers can be expected throughout Guyana. **Rainfall is expected to range between 10.0 mm and 30.0 mm within a 24hrs period.**

Thursday and Friday: Overcast skies with occasional to frequent moderate to heavy showers and rain can be expected throughout Guyana. Thundershowers can be expected in some coastal areas. **Rainfall is expected to range between 30.0 mm and 65.0 mm.**

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 favoured 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

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