

MINISTRY OF AGRICULTURE HYDROMETEOROLOGICAL SERVICE

WEATHER BRIEF for Thursday, June 22, 2017 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00 hrs Thursday June 22, 2017, were available for most of the stations.

The highest rainfall of 137.2mm was recorded at Enterprise E.C.D in Region 4.

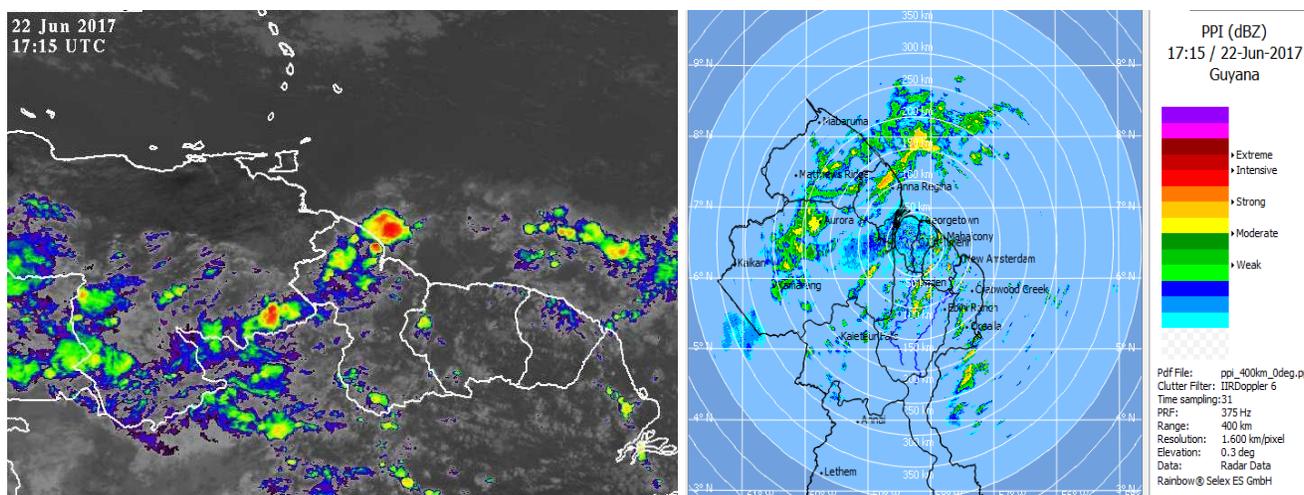
Synopsis: A Tropical Wave embedded within the ITCZ and a deep moisture surge is affecting Guyana.

Today's weather review: Cloudy to overcast skies were observed in most areas during the morning, becoming sunny into the afternoon

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

Thursday June 22, 2017 (19:00 hrs – 07:00 hrs)			Friday June 23, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions	Cloudy skies becoming overcast in the morning with frequent showers and possible thundershowers and rain.	Regions	Weather Conditions	Mostly overcast skies with moderate to heavy showers and light rain during the morning into early afternoon over Regions 4 to 10. All other areas will see cloudy skies with occasional showers.
Regions 1 to 10	 Rainfall between: 0.0 mm to 45.0 mm.	<p>Winds: Light to windy before and during showers</p> <p>Minimum temperatures: Coast: 21 °C – 24°C Hinterland: 18 °C – 22 °C</p>	Regions 1 to 10	 Rainfall between: 45.0 mm and 80.0 mm	<p>Winds: Breezy at times</p> <p>Maximum temperatures: Coast: 27 °C – 29°C Hinterland: 28 °C – 30 °C</p>

The long-term daily average rainfall for Georgetown, for the next 10 days, June 22 to July 01, 2017 is 10.5 mm per day.



Infra-red Satellite image and Radar Image valid 17:15 UTC (13:15 hrs) Thursday June 22, 2017

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

Warnings: **CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE ADVISORY IS IN EFFECT UNTIL THURSDAY JUNE 28, 2017.**

Tonight (June 22, 2017)	Tomorrow Morning (June 23, 2017)	Tomorrow Afternoon (June 23, 2017)	
Low Tide 20:45hrs Height 0.63m	High Tide 02:49hrs Height 3.18m Above normal Low Tide 09:24hrs Height 0.36m	High Tide 15:56hrs Height 2.98m Above normal	
Sunrise	05:38hrs	Sunset	18:09hrs

Sea conditions: ROUGH SEAS WITH WAVES REACHING HEIGHTS OF 2.5 TO 3.0 METERS IN OPEN WATERS

Extended Forecast

Saturday and Sunday: Cloudy to overcast skies with moderate to heavy showers, and rain and isolated thundershowers can be expected over all Regions. Rainfall is expected to range between 50.0 mm and 100.0 mm within a 24hrs period.

Monday: Partly cloudy to cloudy skies with scattered showers can be expected throughout Guyana. Rainfall is expected to range between 10.0 mm and 40.0 mm within a 24hrs period.

Tuesday and Wednesday, generally cloudy to occasionally overcast skies with occasional to frequent showers and isolated thundershowers. Rainfall is expected between 50.0 mm to 80.0 mm within 24 hours.

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Seasonal Information (UPDATED 16 May, 2017) – ENSO alert status: Not Active

ENSO-neutral and El Niño are nearly equally favoured during the Northern Hemisphere summer and fall 2017 (June to December).

According to the ENSO update issued on Thursday May 11, 2017, by the Climate Prediction Centre, ENSO-neutral conditions continued during April 2017. This was reflected in the near-average sea surface temperatures (SSTs) across the central equatorial Pacific and above-average SSTs in the eastern Pacific. The lower-level and upper-level winds were near average over most of the tropical Pacific. Overall, the ocean and atmosphere system remains consistent with ENSO-neutral conditions. Most models predict the onset of El Niño during the Northern Hemisphere summer (June-September); however, most of the statistical models are more conservative and indicate that while Niño-3.4 index may be near or greater than +0.5°C for several months, the warmth may not last long enough to qualify as an El Niño episode (5 consecutive overlapping seasons) and/or may not significantly impact the atmospheric circulation.

Relative to last month, the forecaster consensus reflects slightly lower chances of El Niño (~45%), in part due to the conflicting model guidance and lack of a clear shift toward El Niño in the observational data.

The latest Caribbean Climate Outlook Forum (CARICOF) precipitation outlook, for the period May-June-July indicates that Guyana can expect above normal (40 % probability) to normal (35 % probability) rainfall. Surface analysis shows that the Inter-tropical Convergence Zone (ITCZ) is currently meandering between northern Brazil and Guyana. These and other dynamic and thermodynamic features in the atmosphere indicate that Northern and Southern Guyana is into its rainy season. Considering the present conditions and forecast conditions, Guyana is likely to experience above normal to normal weather conditions during the next three months.

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

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