

MINISTRY OF AGRICULTURE HYDROMETEOROLOGICAL SERVICE

WEATHER BRIEF for Saturday, July 22, 2017 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00 hrs Saturday July 22, 2017, were available for some of the stations.

The highest rainfall of 84.0 mm was recorded at Crabwood Creek in Region 6.

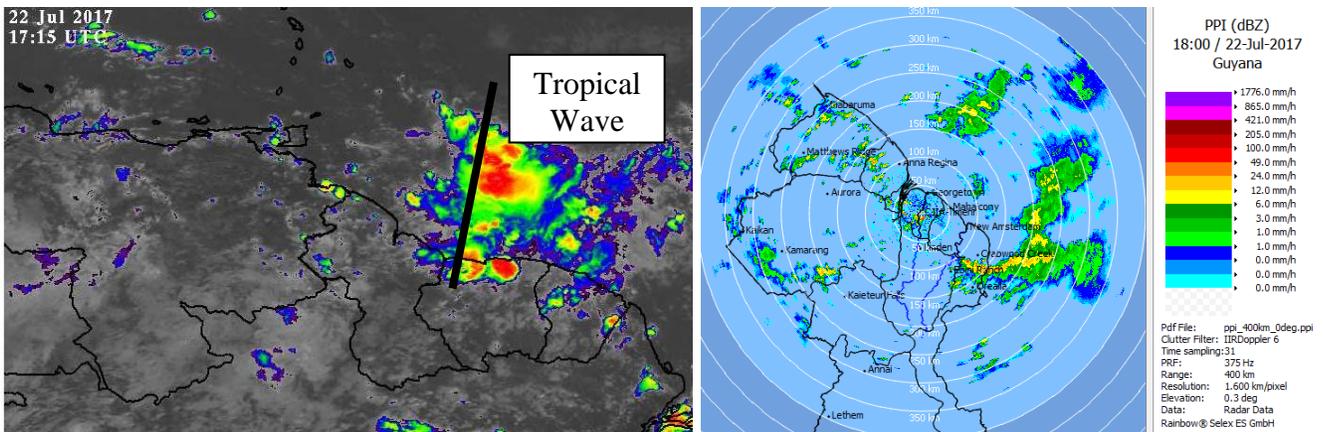
Synopsis: A surface trough embedded in deep moisture surge is affecting Guyana. Model forecast shows a Tropical Wave will begin to affect Guyana from tonight into tomorrow producing widespread showers and thundershowers.

Today's weather review: Cloudy to overcast skies were observed throughout Guyana with occasional light to moderate showers and isolated thundershowers.

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

Saturday July 22, 2017 (19:00 hrs – 07:00 hrs)			Sunday July 23, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions		Regions	Weather Conditions	
Regions 1 to 10	 <p>Rainfall between: 0.0 mm to 70.0 mm, highest in coastal areas.</p>	<p>Cloudy skies becoming overcast with light showers in the early evening becoming moderate to heavy as the night progress. Thundershowers are likely in coastal areas</p> <p>Winds: mostly light becoming gusty before and during showers.</p> <p>Minimum temperatures: Coast: 21 °C – 24°C Hinterland: 18 °C – 22 °C</p> <p>With the forecasted rainfall and current weather conditions, water accumulations / flooding are likely in poor drainage and low laying areas</p>	Regions 1 to 10	 <p>Rainfall between: 0.0 mm and 60.0 mm</p>	<p>Mostly overcast skies will continue throughout Guyana with frequent showers and rain during the morning decreasing in intensity over the afternoon period.</p> <p>Winds: mostly light to calm at times</p> <p>Maximum temperatures: Coast: 26 °C – 28°C Hinterland: 27 °C – 29 °C</p> <p>With the forecasted rainfall and current weather conditions, water accumulations / flooding are likely in poor drainage and low laying areas</p>

The long-term daily average rainfall for Georgetown, for the next 10 days, July 22 to July 31, 2017 is 7.4 mm per day.



Infra-red Satellite image valid 19:15 UTC (15:15 hrs) Saturday July 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 FRIDAY JULY 28, 2017. RESIDENTS OF LOW LYING, RIVERINE, AND FLOOD PRONE AREAS ARE ADVISED TO TAKE NECESSARY PRECAUTIONS AGAINST POSSIBLE FLOODING.**

Tonight (July 21, 2017)	Tomorrow Morning (July 22, 2017)		Tomorrow Afternoon (July 22, 2017)
Low Tide 21:20hrs Height 0.57m	High Tide 03:24hrs Height 3.20m Above normal	Low Tide 09:59 Height 0.31m	High Tide 16:30hrs Height 3.05m Above normal
Sunrise	05:45hrs	Sunset	18:12hrs

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

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Extended Forecast

Monday to Wednesday: Generally cloudy skies with occasional showers can be expected throughout Guyana; inland and interior locations can expect isolated thundershowers during the afternoon. **Rainfall is expected to range between 10.0 mm and 30.0 mm within a 24hrs period.**

Thursday and Friday: sunny skies can be expected over all Regions with isolated thunderstorms in inland areas during the afternoon. **Rainfall is expected to range between 0.0 mm and 15.0 mm within a 24hrs period.**

Seasonal Information (UPDATED 13 July, 2017) – ENSO alert status: Not Active

ENSO-neutral is favored (~50 to 55% chance) into the Northern Hemisphere winter 2017-18 (December 2017 to March 2018).

According to the ENSO update issued on Thursday July 13, 2017, by the Climate Prediction Centre, ENSO-neutral conditions continued during June 2017. Sea surface temperatures (SSTs) remained above average in the central and east-central Pacific Ocean. The upper-ocean heat content anomaly was above average during June, reflecting the above-average sub-surface temperatures across the central and eastern Pacific. In the atmosphere, tropical convection was suppressed over the west-central tropical Pacific and enhanced over the Maritime Continent. The lower-level and upper-level winds were near average over most of the tropical Pacific, and the Southern Oscillation Index (SOI) and Equatorial SOI were slightly negative to near-zero. 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, more than half of the models favour ENSO-neutral through the remainder of 2017. These predictions, along with the near-average atmospheric conditions over the Pacific, lead forecasters to favour ENSO-neutral into the winter (~50 to 55% chance). However, chances for El Niño remain elevated (~35-45%) relative to the long-term average.

The latest Caribbean Climate Outlook Forum (CARICOF) precipitation outlook, for the period July-August-September 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 oscillating between 08 ° North to 10 ° north. These and other dynamic and thermodynamic features in the atmosphere indicate that Guyana is slowly transitioning into the dry 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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