

MINISTRY OF AGRICULTURE HYDROMETEOROLOGICAL SERVICE

WEATHER BRIEF for Tuesday, June 20, 2017 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00 hrs Tuesday June 20, 2017, were available for most of the stations.

The highest rainfall of 135.8mm was recorded at Enterprise East Coast Demerara in Region 4.

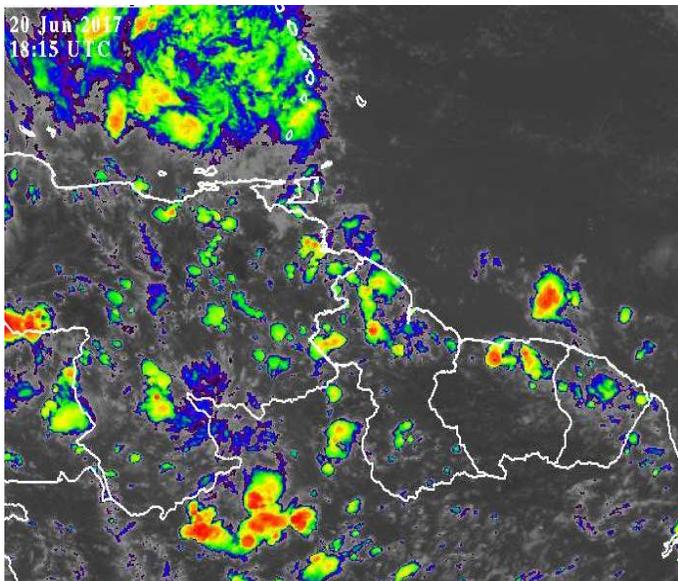
Synopsis: Instabilities from the rain bands of Tropical Storm Bret continues to affect Guyana and will continue over the next 12-24 hours.

Today's weather review: Coastal and inland Guyana observed mostly cloudy to frequently overcast skies with showers and isolated thundershowers. Fair weather was observed in other areas.

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

Tuesday June 20, 2017 (19:00 hrs – 07:00 hrs)			Wednesday June 21, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions		Regions	Weather Conditions	
Regions 1 to 10	 Rainfall between: 0.0 mm to 30.0 mm.	Cloudy skies will continue throughout Guyana with scattered to occasional showers and isolated thundershowers. <u>Winds:</u> Light to breezy at times <u>Minimum temperatures:</u> Coast: 22 °C – 24°C Hinterland: 18 °C – 22 °C	Regions 1 to 10	 Rainfall between: 0.0 mm and 45.0 mm	Varying cloudiness with occasional to frequent light to moderate showers and possible thundershowers. <u>Winds:</u> Breezy becoming light at times <u>Maximum temperatures:</u> Coast: 29 °C – 31°C Hinterland: 28 °C – 32 °C

The long-term daily average rainfall for Georgetown, for the next 10 days, June 20 to June 29, 2017 is 10.6 mm per day.



Infra-red Satellite image valid 18:15 UTC (14:15 hrs) Tuesday June 20, 2017

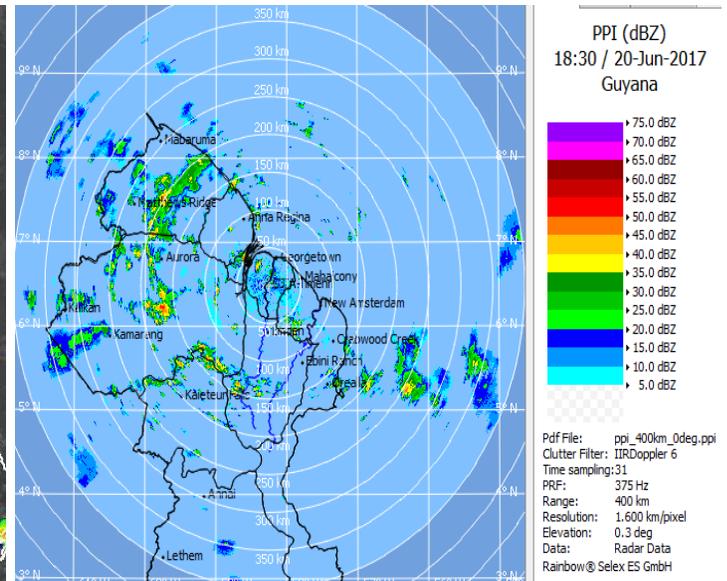


Table # 2 Occurrences of high and low tides for the next 24 hours and the times for sunrise and sunset.

Warnings: **CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE ADVISORY IS IN EFFECT UNTIL FRIDAY June 28, 2017. RESIDENTS OF LOW LYING, RIVERINE, AND FLOOD PRONE AREAS ARE ADVISED TO TAKE NECESSARY PRECAUTIONS.**

Tonight (June 20,2017)		Tomorrow Morning (June 21, 2017)		Tomorrow Afternoon (June 21, 2017)	
Low Tide 18:54hrs Height 0.86m		High Tide 01:07hrs Height 2.93m Above normal		High Tide 14:09hrs Height 2.75m Above normal	
Low Tide 07:36hrs Height 0.66m					
Sunrise	05:38hrs	Sunset	18:09hrs		

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

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Extended Forecast

Thursday: mostly cloudy skies with occasional showers and isolated thundershowers can be expected across Guyana. **Rainfall is expected to range between 20.0 mm and 50.0 mm.**

Friday thru Saturday: Overcast skies with moderate to heavy thundershowers and rain across Guyana. Occasional wind gusts are likely before and during showers. **Rainfall is anticipated between 60.0 mm to 100.0 mm within 24 hours. With the forecasted rainfall and current weather conditions, water accumulation / flooding may become likely, hilly areas may experience landslides.**

Sunday and Monday: Partly cloudy to occasionally cloudy skies with scattered showers. **Rainfall is expected to range between 0.0 mm and 20.0 mm within a 24hrs period.**

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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