

***MINISTRY OF AGRICULTURE  
HYDROMETEOROLOGICAL SERVICE***

**WEATHER BRIEF for Friday, June 23, 2017 from the Hydrometeorological Service, Guyana**

Rainfall records for the past 24 hours, measured at 08:00 hrs Friday June 23, 2017, were available for most of the stations.

**The highest rainfall of 188.7 mm was recorded at John's Village in Region 6.**

**Synopsis:** Low level convergence is affecting Guyana.

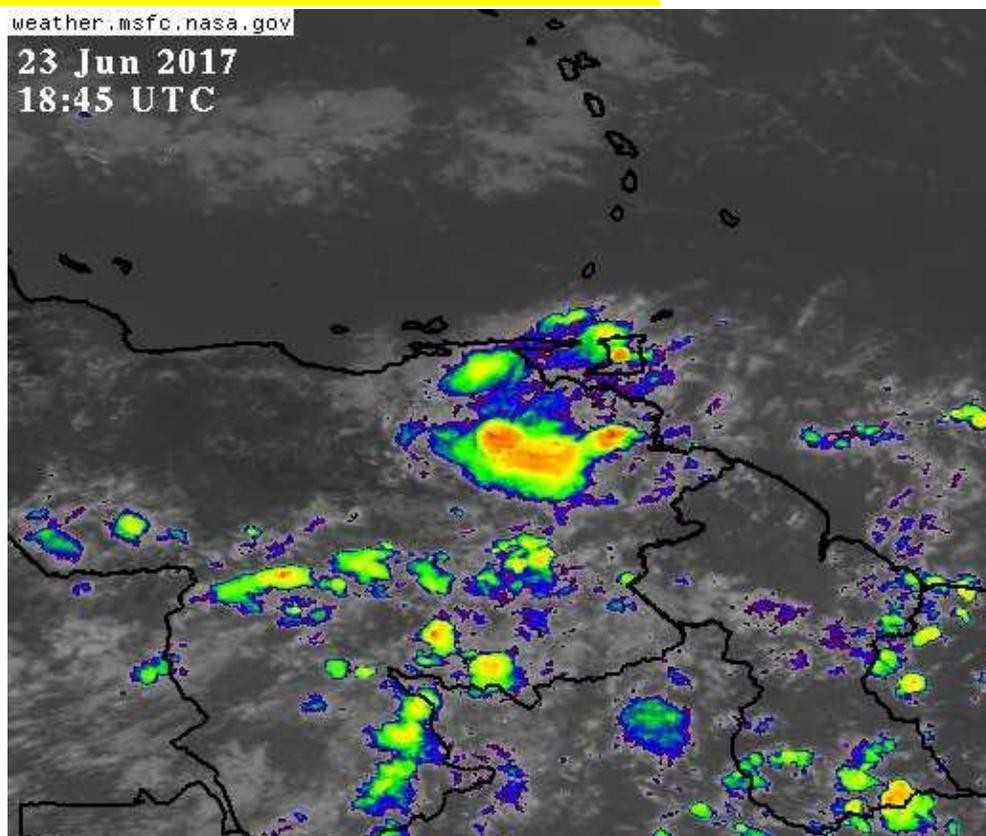
**Today's weather review:** All Regions observed cloudy to overcast skies with frequent moderate to heavy showers, light intermittent rain and isolated thundershowers.

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

Friday June 23, 2017 (19:00 hrs – 07:00 hrs)			Saturday June 24, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions	Cloudy to overcast skies with light to moderate showers can be expected throughout Guyana; some areas can expect isolated thundershowers.	Regions	Weather Conditions	<b>Cloudy to overcast skies with frequent moderate to heavy showers, light continuous rain and isolated thundershowers can be expected throughout Guyana.</b>
					
Regions 1 to 10	<b>Rainfall between: 20.0 mm to 50.0 mm.</b>	<b><u>Winds:</u></b> Coast: North-easterly between 2 m/s and 4 m/s. Strong winds can be expected before and during heavy downpours.  Hinterland: Light to calm. Strong winds can be expected before and during heavy downpours.  <b><u>Minimum temperatures:</u></b> Coast: 22 °C – 24°C  Hinterland: 18 °C – 22 °C	Regions 1 to 10	<b>Rainfall between: 25.0 mm and 70.0 mm</b>	<b><u>Winds:</u></b> Coast: North-easterly to south-easterly between 4 m/s and 8 m/s. Strong winds can be expected before and during heavy downpours.  Hinterland: North-easterly to easterly between 2 m/s and 4 m/s. Strong winds can be expected before and during heavy downpours.  <b><u>Maximum temperatures:</u></b> Coast: 27 °C – 31°C  Hinterland: 26 °C – 32 °C

The long-term daily average rainfall for Georgetown, for the next 10 days, June 23 to July 02, 2017 is 10.3 mm per day.

**Warnings:** **CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE ADVISORY IS IN EFFECT UNTIL THURSDAY JUNE 29, 2017. RESIDENTS OF LOW LYING, RIVERINE, AND FLOOD PRONE AREAS ARE ADVISED TO TAKE NECESSARY PRECAUTIONS AGAINST POSSIBLE FLOODING.**



Infra-red Satellite image valid 18:45 UTC (14:45 hrs) Friday June 23, 2017

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

Tonight (June 23,2017)	Tomorrow Morning (June 24, 2017)		Tomorrow Afternoon (June 24, 2017)
Low Tide 21:36hrs Height 0.54m	High Tide 03:39hrs Height 3.24m  Low Tide 10:13hrs Height 0.28m		High Tide 16:45hrs Height 3.04m
Sunrise	05:39hrs	Sunset	18:10hrs

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

***Extended Forecast***

***Sunday: Cloudy to overcast skies with frequent moderate to heavy showers, light intermittent rain and isolated thundershowers can be expected throughout Guyana; conditions are likely to improve over some coastal areas during the afternoon. Rainfall is expected to range between 25.0 mm and 100.0 mm (1.0 in and 4.0 in) within a 24hrs period.***

***Monday and Thursday: Cloudy skies with light to moderate showers, intermittent rain and isolated thundershowers can be expected throughout Guyana; conditions are likely to improve over some coastal areas during the afternoon. Rainfall is expected to range between 20.0 mm and 60.0 mm (0.80 in and 2.4 in) within a 24hrs period.***

***Tuesday and Wednesday: Cloudy to overcast skies with frequent moderate to heavy showers, light intermittent rain and isolated thundershowers can be expected throughout Guyana. Rainfall is expected to range between 20.0 mm and 80.0 mm (0.8 in and 3.2 in) within a 24hrs period.***

***Water accumulation/or flooding are likely in low lying areas and those with poor drainage; hilly areas are likely to experience possible landslides.***

***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](http://www.hydromet.gov.gy)

Senior Meteorological Technician: L. Regis

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