

# MINISTRY OF AGRICULTURE HYDROMETEOROLOGICAL SERVICE

**WEATHER BRIEF for Saturday, June 10, 2017 from the Hydrometeorological Service, Guyana**

Rainfall records for the past 24 hours, measured at 08:00 hrs Saturday June 10, 2017, were available for most of the stations.

**The highest rainfall of 190.5 mm was recorded at Bush Lot in Region 5.**

**Synopsis:** A tropical wave passed Guyana during the early morning hours. Instability from this system affected Guyana during today. A mid to low level trough, with an associated cyclonic center, is approaching Guyana from the east and is expected to affect the weather conditions over Guyana during the next twenty-four hours.

**Today's weather review:** Cloudy to overcast skies with light to moderate showers and intermittent rain was observed throughout Guyana during the morning hours. Improved conditions were observed throughout Guyana during the afternoon hours.

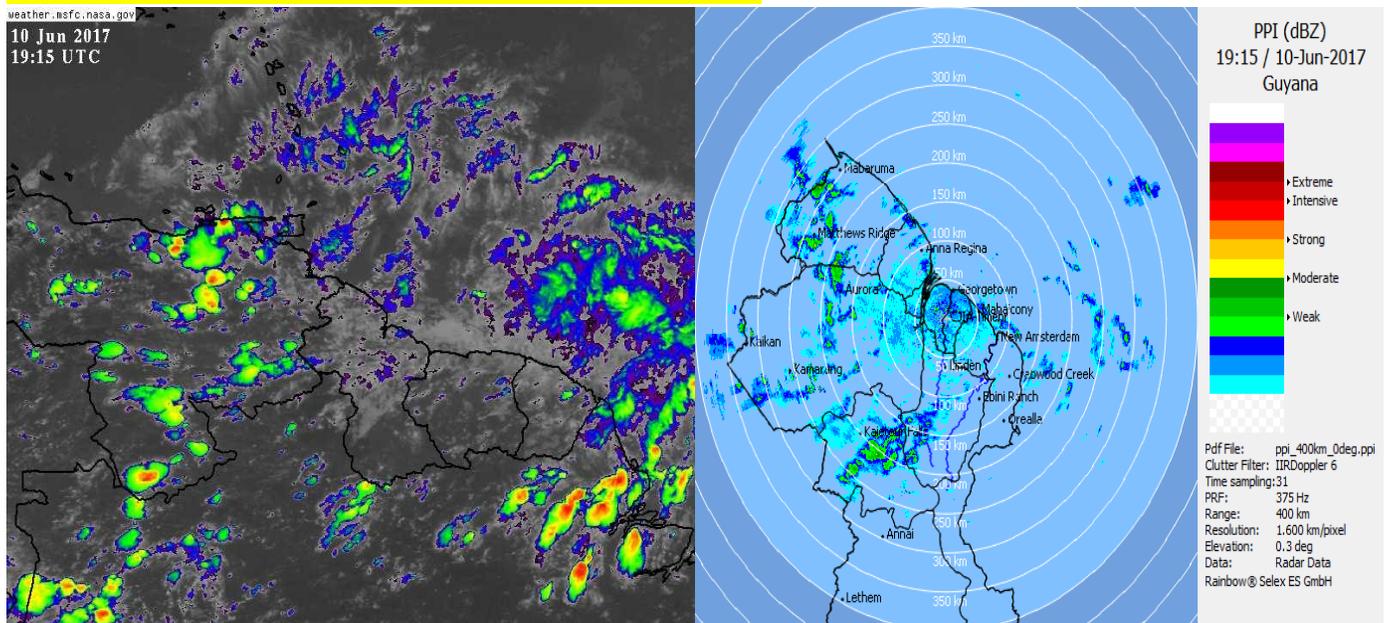
**Table # 1 Weather forecast for the next Twenty-four hours.**

Saturday June 10, 2017 (19:00 hrs – 07:00 hrs)			Sunday June 11, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions	Partly cloudy skies are expected throughout Guyana during the evening hours. Skies are likely to become cloudy to overcast as the night progresses. These conditions will likely be accompanied by light to moderate showers and frequent rain. Regions 1, 2 and 7 may also experience thundershowers.	Regions	Weather Conditions	Cloudy to overcast skies with light to moderate showers and continuous rain are likely throughout Guyana during the morning hours. Parts of Regions 1, 2, 7 and 10 may also experience isolated thundershowers. Conditions are likely to improve during the afternoon hours.
Regions 1, 2 and 7	 Rainfall between: 25 mm to 60.0 mm.	<b>Winds:</b> Light from varying directions becoming gusty at times.	Regions 1, 2, 7 and 10	 Rainfall between: 25.0 mm and 40.0 mm	<b>Winds:</b> Light from varying directions becoming gusty locations with thundershowers.
All other locations	 Rainfall between: 5.0 mm to 30.0 mm.	<b>Minimum temperatures:</b> Coast: 20 °C – 23°C Hinterland: 16 °C – 20 °C	All other locations	 Rainfall between: 5.0 mm to 25.0 mm.	<b>Maximum temperatures:</b> Coast: 30 °C – 32°C Hinterland: 28 °C – 33 °C

**DUE TO THE FORECAST METEOROLOGICAL CONDITIONS, WATER ACCUMULATION/FLOODING MAY OCCUR OVER REGIONS 1, 2, 7 and 10.**

The long-term daily average rainfall for Georgetown, for the next 10 days, June 10 to June 19, 2017 is 11.8 mm per day.

**Warnings:** **CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE ADVISORY IS IN EFFECT UNTIL MONDAY 13 JUNE, 2017. RESIDENTS OF LOW LYING, RIVERINE, AND FLOOD PRONE AREAS ARE ADVISED TO TAKE NECESSARY PRECAUTIONS AGAINST POSSIBLE FLOODING.**



**Infra-red Satellite and Radar images valid 19:15 UTC (15:15 hrs) Saturday June 10, 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 10,2017)		Tomorrow Morning (June 11, 2017)		Tomorrow Afternoon (June 11, 2017)	
Low Tide 22:48hrs Height 0.96m		High Tide 04:57hrs Height 2.81m  ABOVE NORMAL  Low Tide 11:20hrs Height 0.60m		High Tide 17:27hrs Height 2.68m	
Sunrise		05:36hrs		Sunset	18:08hrs

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

***Extended Forecast***

***Monday:*** Partly cloudy to cloudy skies are expected with scattered light to moderate showers are expected throughout Guyana. Regions 7, 8 and 10 may also experience afternoon thundershowers. Rainfall is likely to range between 10 mm and 40 mm over locations with thundershowers and between 5 mm and 25 mm elsewhere.

***Tuesday thru' Friday:*** Partly cloudy and sunny skies with brief passing showers are likely along Coastal Guyana during this period. Rainfall is expected to range between 0 mm and 15 mm during a twenty-four hours period. All other areas can expect partly cloudy to cloudy skies with scattered light to moderate showers, predominantly during the afternoon and evening hours. Twenty-four hours accumulated rainfall is forecast to range between 10 mm and 25 mm.

***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)

Meteorologist: L. Alves

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