

MINISTRY OF AGRICULTURE HYDROMETEOROLOGICAL SERVICE

WEATHER BRIEF for Monday, July 17, 2017 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00 hrs Monday July 17, 2017, were available for most of the stations.

The highest rainfall of 70.4 mm was recorded at Lethem in Region 9.

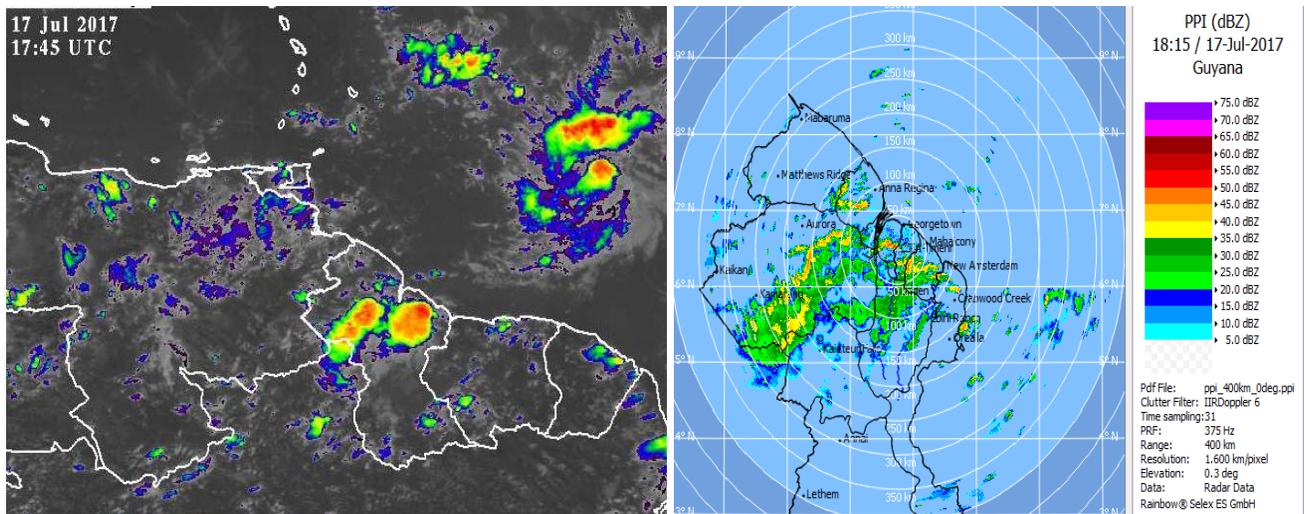
Synopsis: A Tropical Wave is affecting Guyana. Model forecast suggests after this wave passes. The ITCZ will become the dominant feature

Today's weather review: Cloudy to overcast skies were observed throughout Guyana with moderate to heavy thundershower over Regions 7, 8 and 10 and occasional to frequent showers and isolated thundershowers in other locations.

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

Monday July 17, 2017 (19:00 hrs – 07:00 hrs)			Tuesday July 18, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions		Regions	Weather Conditions	
Regions 1 to 10	 Rainfall between: 0.0 mm to 50.0 mm.	Cloudy to overcast skies will continue with occasional to frequent light to moderate showers. Isolated thundershowers can be expected in some coastal areas of Regions 4 to 6. Winds: mostly light becoming windy before and during showers Minimum temperatures: Coast: 20 °C – 23°C Hinterland: 18 °C – 22 °C	Regions 1 to 10	 Rainfall between: 0.0 mm and 50.0 mm	Cloudy to occasionally overcast skies with occasional light to moderate showers and thundershowers. Winds: Mostly light Maximum temperatures: Coast: 27 °C – 29°C Hinterland: 28 °C – 30 °C

The long-term daily average rainfall for Georgetown, for the next 10 days, July 17 to July 26, 2017 is 7.7 mm per day.



Infra-red Satellite image valid 17:45 UTC (18:15 hrs) Monday July 17, 2017

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

Tonight (July 17, 2017)		Tomorrow Morning (July 18, 2017)		Tomorrow Afternoon (July 18, 2017)	
High Tide 22:26hrs Height 2.65m		Low Tide 05:00 hrs Height 1.00m		Low Tide 17:18hrs Height 1.01m	
		High Tide 11:36hrs Height 2.44m			
Sunrise		05:44hrs	Sunset		18:12hrs

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

Extended Forecast

Tuesday, Thursday, Saturday and Monday: mainly cloudy to overcast skies with occasional showers and afternoon thundershowers over all regions. **Rainfall is expected to range between 10.0 mm and 50.0 mm within a 24hrs period.**

Wednesday and Friday: Overcast skies with moderate to heavy thundershowers and rain can be expected over all Regions. **Rainfall is expected to range between 50.0 mm and 100.0 mm within a 24hrs period.**
WITH THE FORECASTED RAINFALL AND CURRENT WEATHER CONDITIONS, WATER ACCUMULATIONS / FLOODING ARE LIKELY IN POOR DRAINAGE AND LOW LAYING AREAS.

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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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