

MINISTRY OF AGRICULTURE HYDROMETEOROLOGICAL SERVICE

WEATHER BRIEF for Friday, July 14, 2017 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00 hrs Friday July 14, 2017, were available for most of the stations.

The highest rainfall of 180.5mm was recorded at Bush Lot in Region 5.

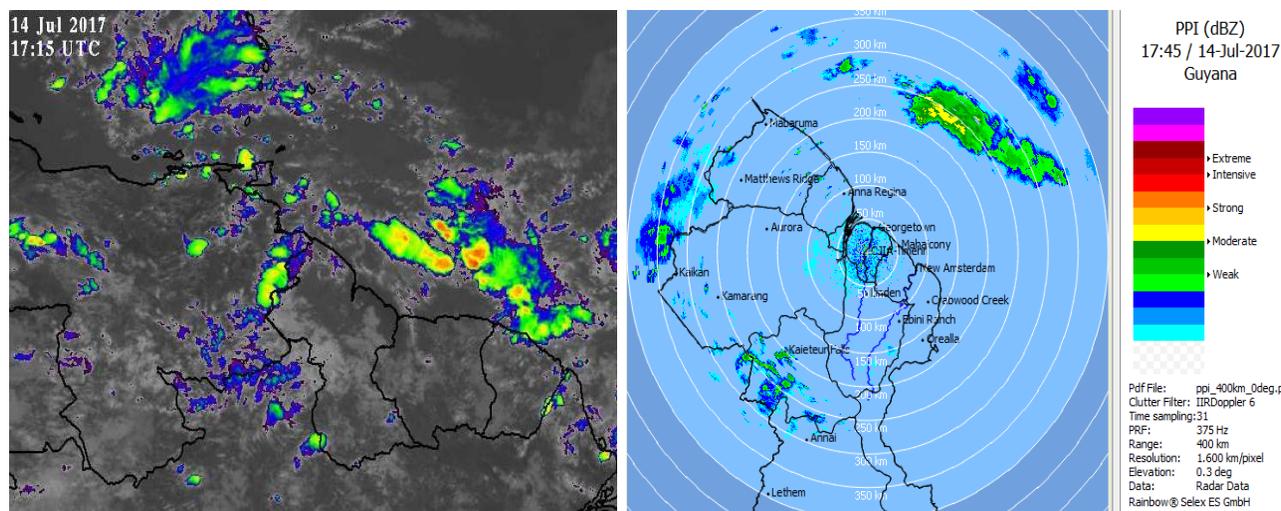
Synopsis: A low level trough was embedded in a deep layer of moisture which affected Guyana last night into the morning period.

Today's weather review: Overcast skies with early morning thundershowers became partly cloudy and sunny in the afternoon.

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

Friday July 14, 2017 (19:00 hrs – 07:00 hrs)			Saturday July 15, 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.	Partly cloudy to cloudy and occasionally overcast skies with occasional showers in the late evening into early morning. Winds: Light to calm. Minimum temperatures: Coast: 22 °C – 25°C Hinterland: 18 °C – 22 °C	Regions 1 to 10	 Rainfall between: 0.0 mm and 60.0 mm	Cloudy to overcast skies with occasional to frequent showers and isolated thundershowers becoming fair but remaining mostly cloudy in the afternoon. Winds: mostly light to breezy at times Maximum temperatures: Coast: 27 °C – 30°C Hinterland: 28 °C – 31 °C

The long-term daily average rainfall for Georgetown, for the next 10 days, July 14 to July 23, 2017 is 8.1 mm per day.



Infra-red Satellite image valid 17:15 UTC (13:15 hrs) Friday July 14, 2017

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

Tonight (July 14, 2017)		Tomorrow Morning (July 15, 2017)		Tomorrow Afternoon (July 15, 2017)	
Low Tide 00:57hrs Height 0.99m		High Tide 08:06hrs Height 2.62m		Low Tide 14:11hrs Height 0.81m	
				High Tide 20:17hrs Height 2.67m	
Sunrise		05:43hrs	Sunset		18:12hrs

Sea conditions: SLIGHT TO MODERATE SEAS WITH WAVES REACHING HEIGHTS OF 1.5 TO 2.0 METERS IN OPEN WATERS

Extended Forecast

Sunday thru Thursday: Cloudy to overcast skies with frequent rain showers and isolated thundershowers can be expected over all Regions; conditions are expected to improve over some coastal areas during the afternoon. **Rainfall is expected to range between 15.0 mm and 60.0 mm within a 24hrs period. However on Sunday and Monday values are expected between 30.0 mm to 80.0 mm within 24 hours.**

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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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