

MINISTRY OF AGRICULTURE HYDROMETEOROLOGICAL SERVICE

WEATHER BRIEF for Monday, April 10, 2017 from the Hydrometeorological Service, Guyana

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

The highest rainfall of 5.1 mm was recorded at 58 Miles Mabura Road in Region 10.

Synopsis: A ridge of high pressure is the dominant feature affecting Guyana.

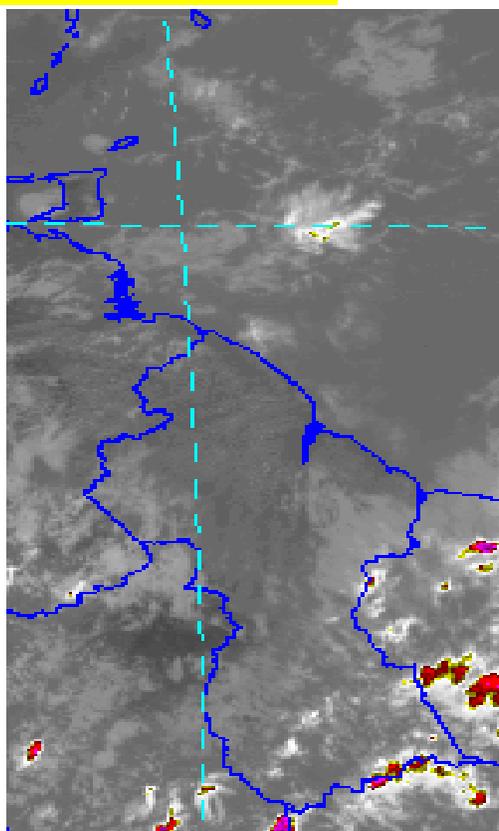
Today's weather review: All Regions observed partly cloudy and sunny skies with scattered showers.

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

Monday April 10, 2017 (19:00 hrs – 07:00 hrs)			Tuesday April 11, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions	Fair to partly cloudy skies with scattered showers can be expected throughout Guyana.	Regions	Weather Conditions	Regions 1 to 7 and 10 can expect partly cloudy and sunny skies with scattered showers; Regions 8 and 9 can expect partly cloudy to cloudy skies with light to moderate and isolated thundershowers.
Regions 1 to 10	 Rainfall between: 0.0 mm to 10.0 mm.	<u>Winds:</u> 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.	Regions 1 to 7 & 10	 Rainfall between: 0.0 mm and 10.0 mm	<u>Winds:</u> Coast: North-easterly to south-easterly between 4 m/s and 8 m/s. Strong winds can be expected before and during heavy downpours.
		<u>Minimum temperatures:</u> Coast: 22 °C – 25 °C Hinterland: 18 °C – 22 °C	Regions 8 & 9	 Rainfall between: 0.0 mm and 25.0 mm	Hinterland: North-easterly to easterly between 2 m/s and 4 m/s. Strong winds can be expected before and during heavy downpours. <u>Maximum temperatures:</u> Coast: 29 °C – 32 °C Hinterland: 28 °C – 33 °C

The long-term daily average rainfall for Georgetown, for the next 10 days, April 10 to April 19, 2017 is 5.0 mm per day.

Warnings: **CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE ADVISORY IS IN EFFECT UNTIL FRIDAY APRIL 14, 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) Monday April 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 (April 10,2017)		Tomorrow Morning (April 11, 2017)		Tomorrow Afternoon (April 11, 2017)	
Low Tide 21:57hrs Height 0.68m		High Tide 04:15hrs Height 3.02m Low Tide 10:13hrs Height 0.43m		High Tide 16:20hrs Height 2.93m	
Sunrise		05:45hrs	Sunset		18:00hrs

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

Extended Forecast

Wednesday: Partly cloudy to cloudy skies with scattered light to moderate showers and possible isolated thundershowers can be expected throughout Guyana. **Rainfall is expected to range between 0.0 mm and 20.0 mm (0.0 in and 0.79 in) within a 24hrs period.**

Thursday thru' Sunday: All Regions can expect cloudy skies with light to moderate showers and isolated thundershowers; conditions are likely to improve over some coastal areas during the afternoon. **Rainfall is expected to range between 5.0 mm and 30.0 mm (0.20 in and 1.18 in) within a 24hrs period.**

Seasonal Information (UPDATED 13 March, 2017) – ENSO alert status: Not Active

ENSO-neutral conditions are favored to continue through at least the Northern Hemisphere spring 2017 (June), with increasing chances for El Niño development into the fall (September).

According to the ENSO update issued on Thursday March 9, 2017, by the Climate Prediction Centre and associates, ENSO neutral conditions continued throughout the month of February, 2017. This was reflected in near-average sea surface temperatures (SSTs) across the central equatorial Pacific and above-average SSTs in the eastern Pacific. The low-level easterly winds were slightly enhanced over the western tropical Pacific and were weaker than average over the eastern Pacific. Also, upper-level westerly winds were anomalously easterly over portions of the western and eastern Pacific. Most models predict the continuation of ENSO-neutral through the early Northern Hemisphere summer (May-July; Fig. 6). However, some dynamical model forecasts anticipate an onset of weak El Niño as soon as the late Northern Hemisphere spring (March-May 2017). Because of typically lower skill in forecasts made at this time of the year, and the lingering La Niña-like tropical convection patterns, the forecaster consensus favors ENSO-neutral conditions during the spring (March-May) with an approximately 75% chance. Thereafter, there are increasing odds for weak El Niño toward the second half of 2017 (50-55% chance from approximately July-December).

The latest CARICOF forecasts suggest that Guyana would experience above normal (35 % probability) to normal (35 % probability) weather conditions during the period March to May.

Surface analysis shows that the ITCZ is oscillating south of the equator and the subtropical High pressure is the most dominant feature in the Northern Atlantic. These and other dynamic and thermodynamic features in the atmosphere show that Northern Guyana is currently in its first dry season for the year, while Southern Guyana continues in its only dry season. Southern Guyana is expected to begin to transition into its only rainy season towards the end of March. Considering the present conditions and forecast conditions, Guyana is likely to experience above normal to normal weather conditions during the next three months. Please note that the dry season does not imply the absence of precipitation, but a reduction of precipitation.

Update in the bulletin is provided daily by the Hydromet Service: www.hydromet.gov.gy

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