

***MINISTRY OF AGRICULTURE
HYDROMETEOROLOGICAL SERVICE***

WEATHER BRIEF for Wednesday, April 19, 2017 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00 hrs Wednesday April 19, 2017, were available for most of the stations.

The highest rainfall of 7.0 mm was recorded at Wakenaam in Region 3.

Synopsis: A ridge of high pressure is affecting Guyana.

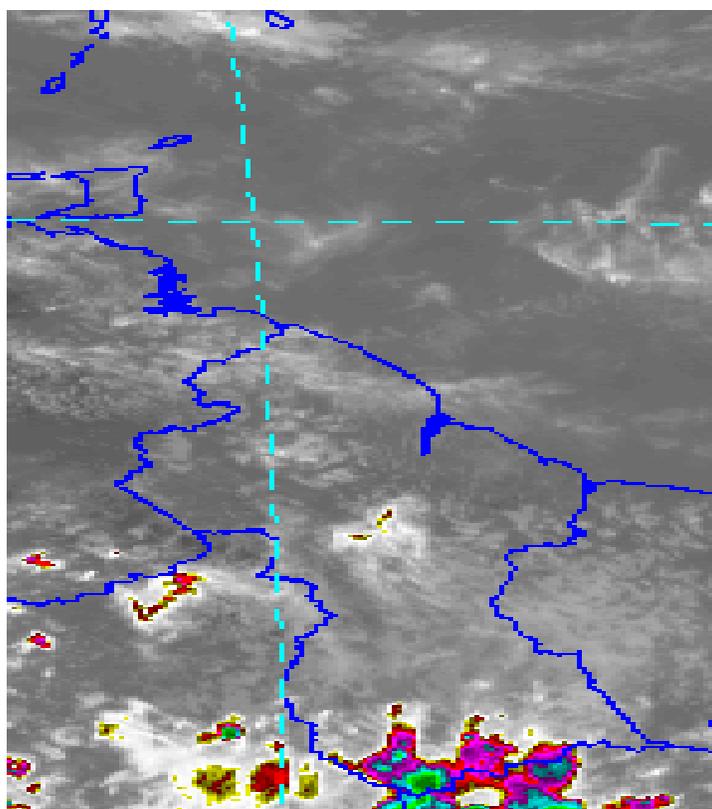
Today's weather review: Partly cloudy and sunny skies were observed throughout Guyana however some areas in Regions 6 to 10 observed isolated thundershowers during the afternoon.

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

Wednesday April 19, 2017 (19:00 hrs – 07:00 hrs)			Thursday April 20, 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	Coastal areas can expect partly cloudy and sunny skies with scattered showers; other locations can expect partly cloudy to cloudy skies with light to moderate showers and possible isolated thundershowers.
Regions 1 to 10	 Rainfall between: 0.0 mm to 10.0 mm.	<p><u>Winds:</u></p> <p>Coast: North-easterly between 2 m/s and 4 m/s. Strong winds can be expected before and during heavy downpours.</p> <p>Hinterland: Light to calm. Strong winds can be expected before and during heavy downpours.</p> <p><u>Minimum temperatures:</u></p> <p>Coast: 22 °C – 25°C</p> <p>Hinterland: 18 °C – 22 °C</p>	Regions 1 to 10	 Rainfall between: 0.0 mm & 10.0 mm over coastal areas; other locations can expect values between 0.0 mm & 20.0 mm	<p><u>Winds:</u></p> <p>Coast: North-easterly to south-easterly between 4 m/s and 8 m/s. Strong winds can be expected before and during heavy downpours.</p> <p>Hinterland: North-easterly to easterly between 2 m/s and 4 m/s. Strong winds can be expected before and during heavy downpours.</p> <p><u>Maximum temperatures:</u></p> <p>Coast: 29 °C – 32°C</p> <p>Hinterland: 28 °C – 34 °C</p>

The long-term daily average rainfall for Georgetown, for the next 10 days, April 19 to April 28, 2017 is 5.2 mm per day.

Warnings: Above normal high tides is not in effect. The next period of above normal high tide will begin Sunday April 23, 2017.



Infra-red Satellite image valid 19:15 UTC (15:15 hrs) Wednesday April 19, 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 19,2017)	Tomorrow Morning (April 20, 2017)		Tomorrow Afternoon (April 20, 2017)
<i>High Tide 22:27hrs Height 2.24m</i>	<i>Low Tide 04:48hrs Height 1.45m</i> <i>High Tide 11:17hrs Height 2.30m</i>		<i>Low Tide 17:18hrs Height 1.12m</i>
<i>Sunrise</i>	<i>05:41hrs</i>	<i>Sunset</i>	<i>18:00hrs</i>

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

Extended Forecast

Friday and Saturday:* Partly cloudy and sunny skies with scattered showers can be expected throughout Guyana; inland and interior locations can expect possible isolated thundershowers during the afternoon. **Rainfall is expected to range between 0.0 mm and 15.0 mm (0.0 in and 0.59 in) within a 24hrs period.*

Sunday thru' Tuesday:* Regions 1 to 5 can expect partly cloudy and sunny skies with scattered showers; other Regions can expect partly cloudy to cloudy skies with light to moderate showers and possible isolated thundershowers. **Rainfall is expected to range between 0.0 mm and 10.0 mm (0.0 in and 0.39 in) over Regions 1 to 5; other Regions can expect values between 0.0 mm and 20.0 mm (0.0 in and 0.79 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

Senior Meteorological Technician: L. Regis

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