

***MINISTRY OF AGRICULTURE
HYDROMETEOROLOGICAL SERVICE***

WEATHER BRIEF for Thursday, March 30, 2017 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00 hrs Thursday March 30, 2017, were available for most of the stations.

The highest rainfall of 4.2 mm (0.16in) mm was recorded at Fort Island in Region 3.

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

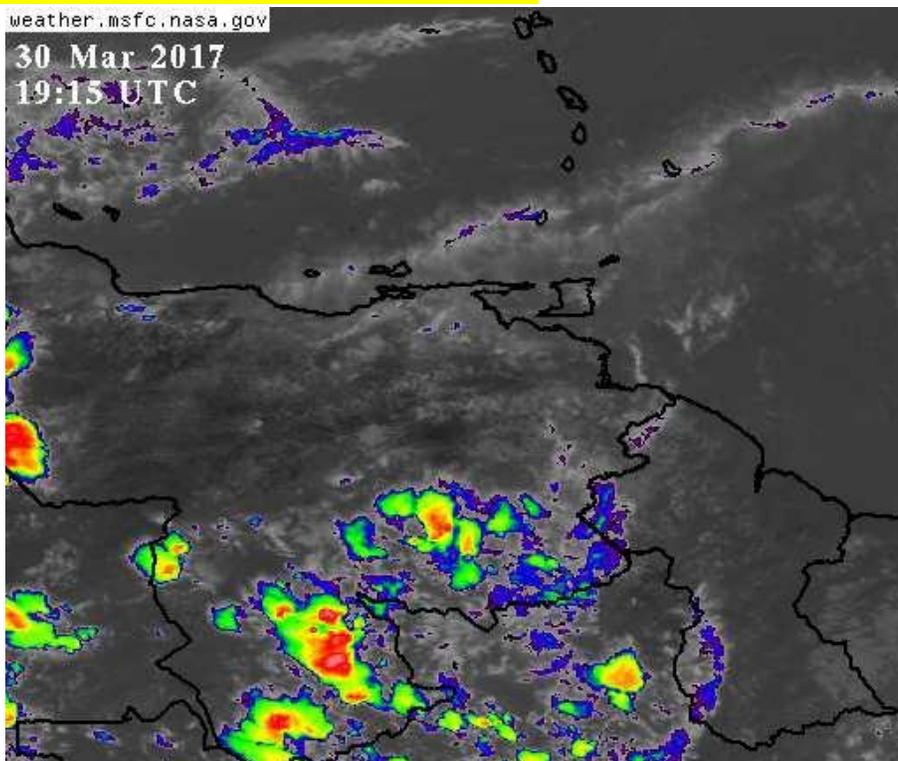
Today's weather review: Partly cloudy and sunny skies with isolated showers were observed throughout Guyana.

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

Thursday March 30, 2017 (19:00 hrs – 07:00 hrs)			Friday March 31, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions	Fair to partly cloudy skies with isolated showers can be expected throughout Guyana.	Regions	Weather Conditions	Partly cloudy and sunny skies with scattered showers can be expected throughout Guyana; some inland and interior locations can expect possible isolated thundershowers during the afternoon.
Regions 1 to 10	 Rainfall between: 0.0 mm to 5.0 mm (0.0 in and 0.20 in).	<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 and 15.0 mm (0.0 in and 0.59 in).	<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 – 33 °C</p>

The long-term daily average rainfall for Georgetown, for the next 10 days, March 30 to April 08, 2017 is 4.8 mm per day.

Warnings: CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE ADVISORY IS IN EFFECT UNTIL SUNDAY APRIL 02, 2017. RESIDENTS OF LOW LYING, RIVERINE, AND FLOOD PRONE AREAS ARE ADVISED TO TAKE NECESSARY PRECAUTIONS AGAINST POSSIBLE FLOODING.



Infra-red Satellite image valid 19:15 UTC (15:15 hrs) Thursday March 30, 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 (March 30,2017)	Tomorrow Morning (March 31, 2017)		Tomorrow Afternoon (March 31, 2017)
--:--	Low Tide 00:00hrs Height 0.32m <b style="background-color: yellow;">High Tide 05:59hrs <b style="background-color: yellow;">Height 3.15m		Low Tide 12:27hrs Height 0.42m <b style="background-color: yellow;">High Tide 18:57hrs <b style="background-color: yellow;">Height 2.95m
<i>Sunrise</i>	05:50hrs	<i>Sunset</i>	18:01hrs

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

Extended Forecast

Saturday and Sunday: Partly cloudy and sunny skies with scattered light to moderate showers can be expected throughout Guyana; some inland and interior locations can expect possible isolated thundershowers during the afternoon. ***Rainfall is expected to range between 0.0 mm and 25.0 mm (0.0 in and 0.98 in) within a 24hrs period.***

Monday thru' Wednesday: Partly cloudy and sunny skies with scattered showers can be expected throughout Guyana. ***Rainfall is expected to range between 0.0 mm and 10.0 mm (0.0 in to 0.39 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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