

MINISTRY OF AGRICULTURE HYDROMETEOROLOGICAL SERVICE

WEATHER BRIEF for Saturday, April 08, 2017 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00 hrs Saturday April 08, 2017, were available for most of the stations. The highest rainfall of 40.0 mm was recorded at No. 73 Village in Region 6.

Synopsis: Today's weather was influenced by subsidence in the upper levels and dust from the Sahara Air Layer, which suppressed convective cloud growth and absorbed atmospheric moisture respectively. A weak mid-level trough affected Southern Guyana.

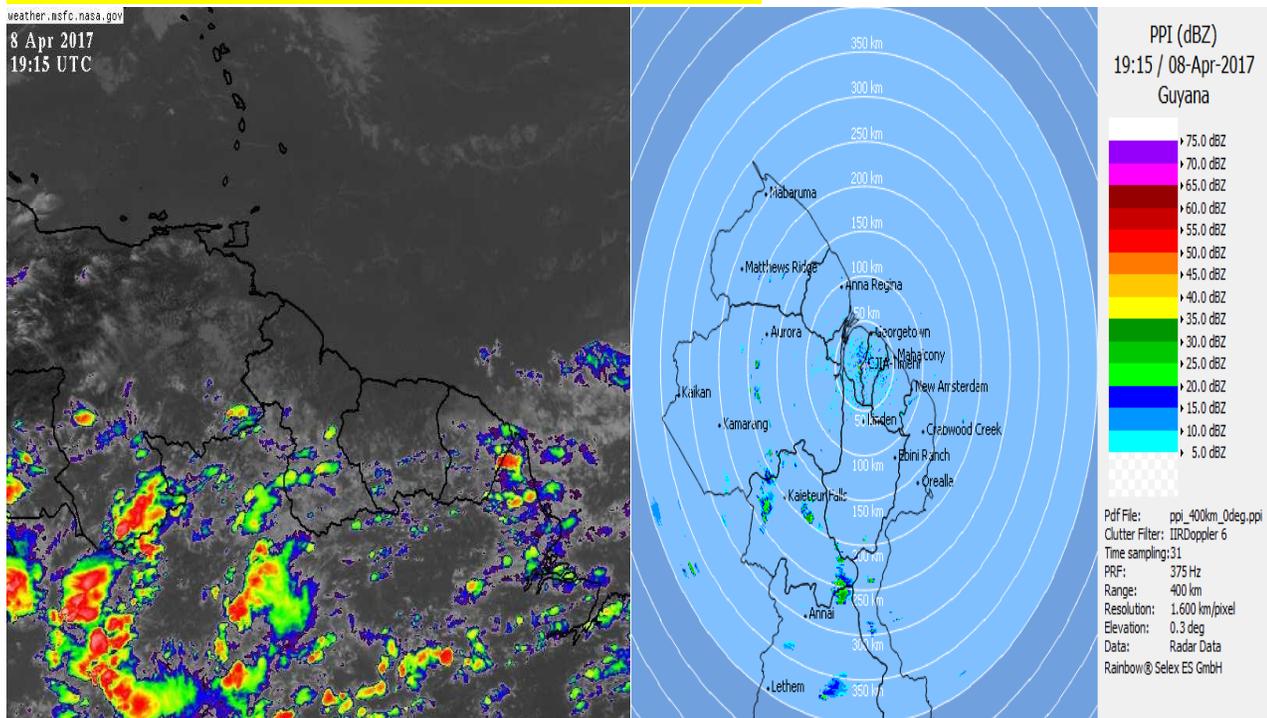
Today's weather review: Regions 1 to 7 and 10 experienced partly cloudy and sunny skies with isolated light showers. Regions 8 and 9 and southern Region 6 experienced cloudy skies with scattered light to moderate showers.

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

Saturday April 08, 2017 (19:00 hrs – 07:00 hrs)			Sunday April 09, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions	Generally fair weather is likely over Regions 1 to 7 and 10. Some areas may experience brief cloudy spells with light showers during the morning hours. Regions 8, 9 and Southern Region 6 can expect cloudy skies with scattered light to moderate showers.	Regions	Weather Conditions	Partly cloudy and sunny skies with possible light isolated showers are likely over Regions 1 to 7 and 10. All other areas can expect cloudy skies with scattered light to moderate showers during the morning and possible isolated heavy showers during the afternoon hours.
Regions 1 to 7 and 10	 Rainfall between: 0.0 mm to 5.0 mm.	<u>Winds:</u> North-easterly between 1 m/s and 3 m/s.	Regions 1 to 7 and 10	 Rainfall between: 0.0 mm and 25.0 mm	<u>Winds:</u> North-easterly to easterly between 3 m/s and 7 m/s.
Regions 8, 9 and southern Region 6	 Rainfall between: 10.0 mm to 25.0 mm	<u>Minimum temperatures:</u> Coast: 22 °C – 24°C Hinterland: 18 °C – 22 °C	Region 9 and southern Region 6	 Rainfall between: 15.0 mm and 30.0 mm	<u>Maximum temperatures:</u> Coast: 30 °C – 33°C Hinterland: 29 °C – 35 °C

The long-term daily average rainfall for Georgetown, for the next 10 days, April 08 to April 17, 2017 is 4.8 mm per day.

Warnings: **CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE ADVISORY IS IN EFFECT UNTIL RIDAY 14 APRIL, 2017. RESIDENTS OF LOW LYING, RIVERINE, AND FLOOD PRONE AREAS ARE ADVISED TO TAKE NECESSARY PRECAUTIONS AGAINST POSSIBLE FLOODING.**



Infra-red Satellite and Radar images valid 19:15 UTC (15:15 hrs) Saturday 8 April, 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 08,2017)		Tomorrow Morning (April 09, 2017)		Tomorrow Afternoon (April 09, 2017)	
Low Tide 20:46hrs Height 0.72m		High Tide 03:09hrs Height 2.99m ABOVE NORMAL Low Tide 08:54hrs Height 0.54m		High Tide 15:07hrs Height 2.89m ABOVE NORMAL	
Sunrise		05:47hrs	Sunset		18:00hrs

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

Extended Forecast

Monday thru' Friday: Partly cloudy and sunny skies with possible isolated light showers can be expected over Regions 1 to 8 and 10 during this period. Parts of Regions 8 and 10 may also experience brief cloudy spells with moderate showers during the afternoon hours. Twenty-four hours accumulated rainfall is likely to range between **0 mm and 10 mm** over Regions 1 to 7 and between **5 mm and 15 mm** elsewhere. Region 9 and southern Region 6 can expect cloudy skies with scattered light to moderate showers during the morning hours. Skies are likely to become mostly cloudy with isolated heavy showers during the afternoon and evening hours. Twenty-four hours accumulated rainfall is likely to range between **10 mm and 40 mm**.

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

Meteorologist: L. Alves

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