

MINISTRY OF AGRICULTURE HYDROMETEOROLOGICAL SERVICE

WEATHER BRIEF for Wednesday, March 29, 2017 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00 hrs Wednesday March 29, 2017, were available for most of the stations. The highest rainfall of 14.8mm was recorded at Lama in Region 4.

Synopsis: Low-level ridging continues to inhibit deep convective cloud growth over most of Guyana today. Localized conditions produced isolated showers over hinterland areas during the afternoon hours.

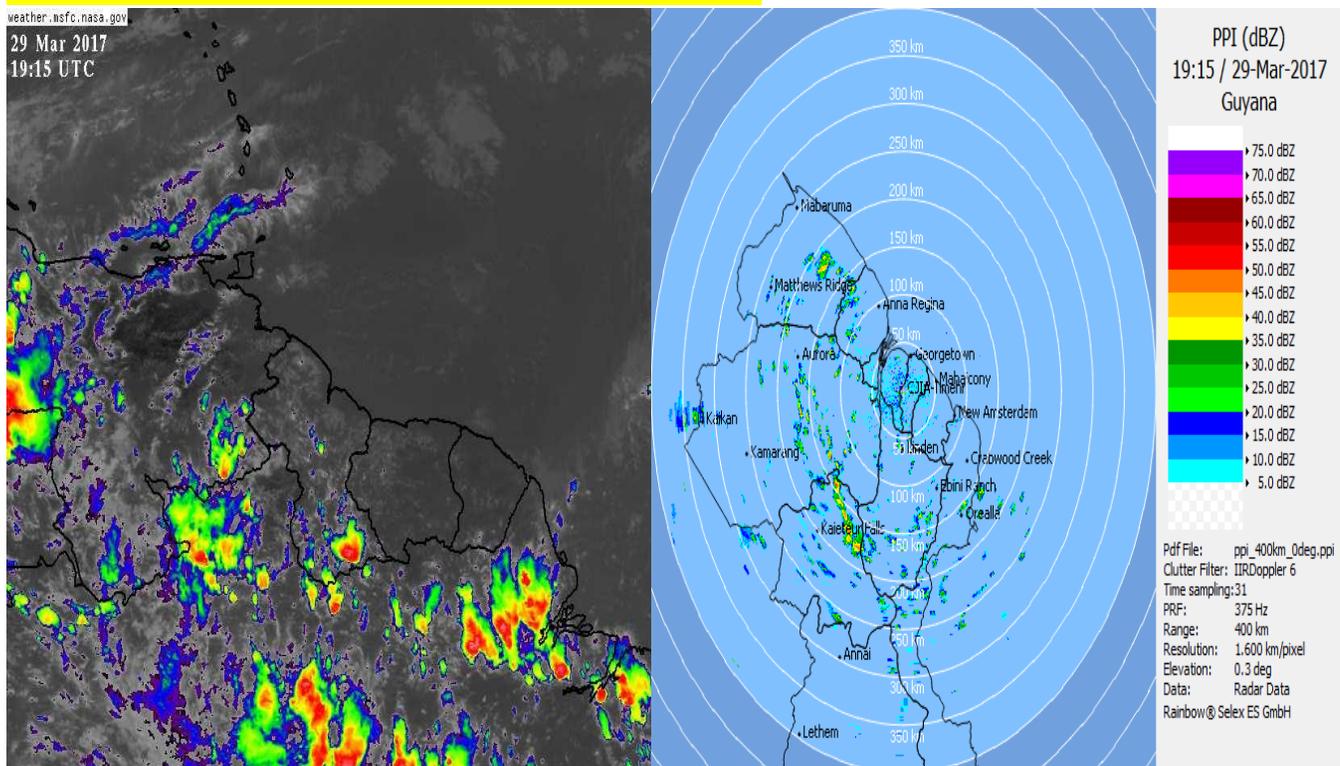
Today's weather review: Partly cloudy and sunny skies were experienced over most locations today. Isolated showers were experienced over some hinterland locations during the afternoon hours.

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

Wednesday March 29, 2017 (19:00 hrs – 07:00 hrs)			Thursday March 30, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions	Generally fair conditions are expected along Coastal locations tonight. All other locations can expect cloudy skies with light to moderate showers.	Regions	Weather Conditions	Partly cloudy and sunny skies with isolated showers can be expected over Coastal Regions and Northern Region 9. All other locations can expect cloudy skies with light showers during the morning and possible isolated thundershowers during the afternoon hours.
Regions 1 to 6	 Rainfall between: 0.0 mm to 5.0 mm	<u>Winds:</u> North-easterly between 2 m/s and 4 m/s, becoming gusty over locations with showers. <u>Minimum temperatures:</u>	Regions 1 to 6 and northern Region 9	 Rainfall between: 0.0 mm and 5.0 mm	<u>Winds:</u> North-easterly to easterly between 4 m/s and 8 m/s. Areas with thundershowers can also expect gusty winds.
Regions 7 to 10	 Rainfall between: 5.0 mm to 15.0 mm	Coast: 22 °C – 25 °C Hinterland: 18 °C – 22 °C	All other locations	 Rainfall between: 10.0 mm and 25.0 mm	<u>Maximum temperatures:</u> Coast: 30 °C – 33 °C Hinterland: 29 °C – 34 °C

The long-term daily average rainfall for Georgetown, for the next 10 days, March 29 to April 07, 2017 is 4.8 mm per day.

Warnings: **CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE ADVISORY IS IN EFFECT UNTIL SUNDAY 2 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) Wednesday 29 March, 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 29,2017)		Tomorrow Morning (March 30, 2017)		Tomorrow Afternoon (March 30, 2017)	
Low Tide 23:17hrs Height 0.33m		High Tide 05:18hrs Height 3.24m ABOVE NORMAL Low Tide 11:42hrs Height 0.32m		High Tide 18:09hrs Height 3.10m ABOVE NORAML	
Sunrise		05:51hrs	Sunset		18:01hrs

Sea conditions: SLIGHT SEAS WITH WAVES REACHING HEIGHTS OF 1.0 TO 1.5 METERS IN OPEN WATERS

Extended Forecast

Friday thru' Tuesday: Partly cloudy and sunny skies with isolated light showers are expected throughout Guyana during this period. Regions 7, 8 and 10 can also expect cloudy spells with light to moderate showers while southern Regions 6 and 9 can also expect cloudy spells with isolated thundershowers during the afternoon hours. Twenty-four hours accumulated rainfall is likely to range between; **5 mm and 20 mm** over Regions 7, 8 and 10, **10 mm and 35 mm** over southern Regions 6 and 9 and below **5 mm** elsewhere.

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 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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