

MINISTRY OF AGRICULTURE HYDROMETEOROLOGICAL SERVICE

WEATHER BRIEF for Saturday, April 15, 2017 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00 hrs Saturday April 15, 2017, were available for most of the stations. The highest rainfall of 35.4 mm was recorded at Parishara in Region 9.

Synopsis: Dust from the Saharan Air Layer was the main factor that affected weather conditions over Guyana today. Clouds advected by the trade-winds provided a few showers.

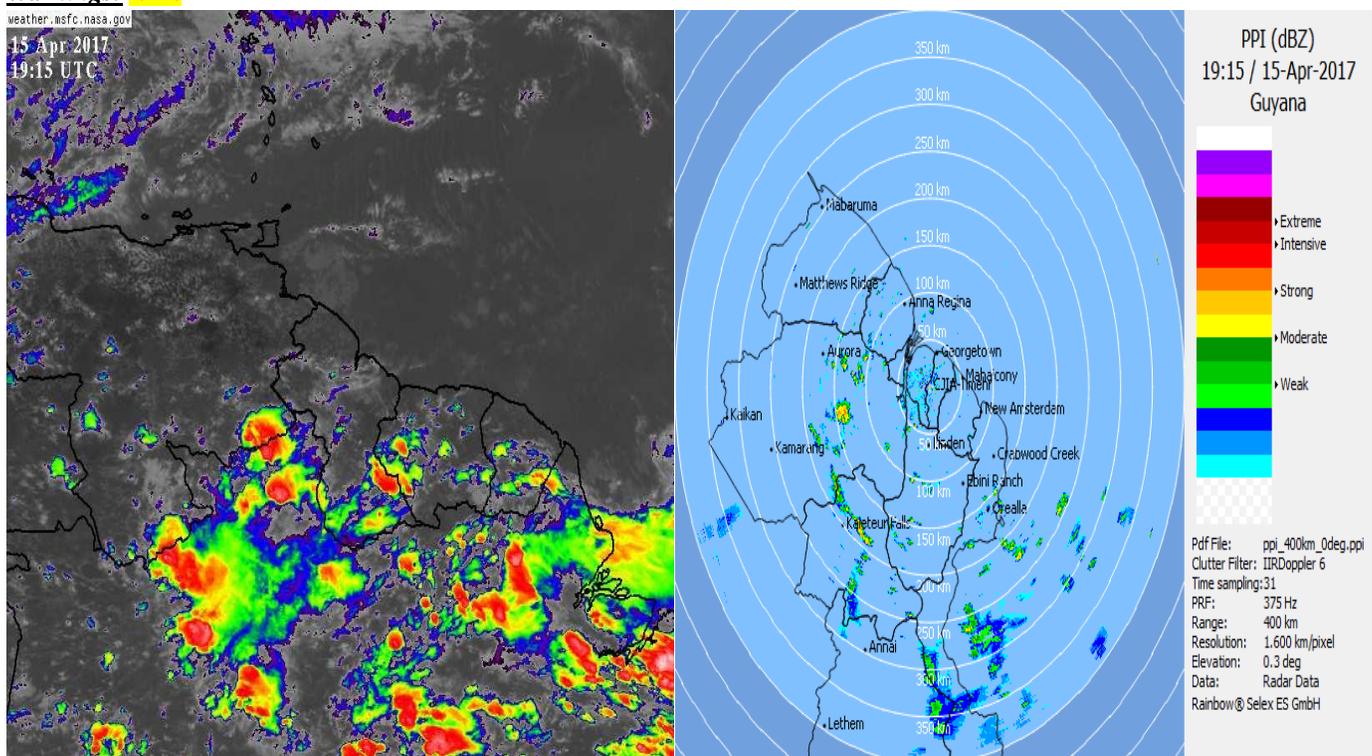
Today's weather review: Partly cloudy and sunny skies with scattered showers were observed over Coastal Guyana today. All other locations observed cloudy skies. Parts of Southern Guyana saw isolated heavy showers during the afternoon hours.

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

Saturday April 15, 2017 (19:00 hrs – 07:00 hrs)			Sunday April 16, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions	Generally fair conditions are expected along Coastal Guyana tonight. Some locations can expect early morning showers. All other locations can expect mostly cloudy skies with light to moderate showers. Parts of Region 9 and Southern Region 6 can also expect isolated thundershowers.	Regions	Weather Conditions	Coastal locations can expect partly cloudy and sunny skies with scattered light showers. All other locations can expect cloudy skies with scattered light showers. Southern Regions 6 and 9 can also expect isolated heavy showers during the afternoon hours.
Regions 1 to 6	 Rainfall between: 0.0 mm to 5.0 mm.	<u>Winds:</u>	Regions 1 to 6	 Rainfall between: 0.0 mm and 5.0 mm	<u>Winds:</u> North-easterly to easterly between 3 m/s and 7 m/s. Strong winds can be expected before and during heavy downpours.
Regions 7 to 10	 Rainfall between: 10.0 mm to 35.0 mm. Maximum over locations with Thunder-showers	<u>Minimum temperatures:</u> Coast: 22 °C – 25°C Hinterland: 18 °C – 22 °C	Regions 7 to 10	 Rainfall between: 10.0 mm to 35.0 mm. Maximum over locations with Thunder-showers	<u>Maximum temperatures:</u> Coast: 29 °C – 33°C Hinterland: 28 °C – 34 °C

The long-term daily average rainfall for Georgetown, for the next 10 days, April 15 to April 24, 2017 is 5.1 mm per day.

Warnings: NIL



Infra-red Satellite and Radar images valid 19:15 UTC (15:15 hrs) Saturday 15 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 15,2017)		Tomorrow Morning (April 16, 2017)		Tomorrow Afternoon (April 16, 2017)	
High Tide 18:35hrs Height 2.64m		Low Tide 00:27hrs Height 1.05m		Low Tide 13:15hrs Height 0.85m	
		High Tide 06:40hrs Height 2.56m			
Sunrise		05:43hrs	Sunset		18:00hrs

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

Extended Forecast

Monday thru' Friday: Coastal locations can expect partly cloudy and sunny, becoming occasionally cloudy with light scattered showers. Twenty-four hours accumulated rainfall is likely to range between **0 mm and 10 mm**. Southern Regions 6 and 9 can expect mostly cloudy skies with scattered light to moderate showers during the morning hours and isolated thundershowers during the afternoon and evening hours. Twenty-four hour rainfall is likely to range between **15 mm and 45 mm**. All other Locations can expect cloudy skies with scattered light to moderate showers. Between **5 mm and 20 mm** rainfall is forecast to accumulate in a twenty-four hours 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 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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