

MINISTRY OF AGRICULTURE HYDROMETEOROLOGICAL SERVICE

WEATHER BRIEF for Tuesday December 12, 2017 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00hrs Tuesday December 12, 2017, were available for most of the stations.

The highest rainfall of 52.2mm was recorded at Anna Regina in Region 2.

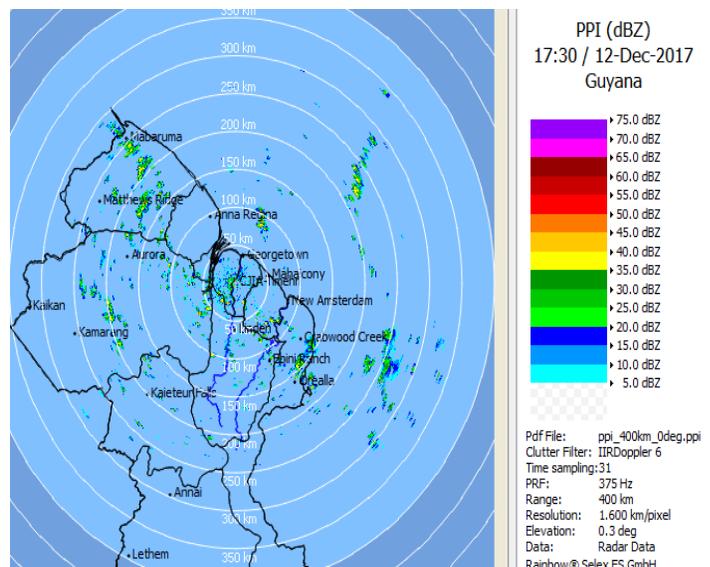
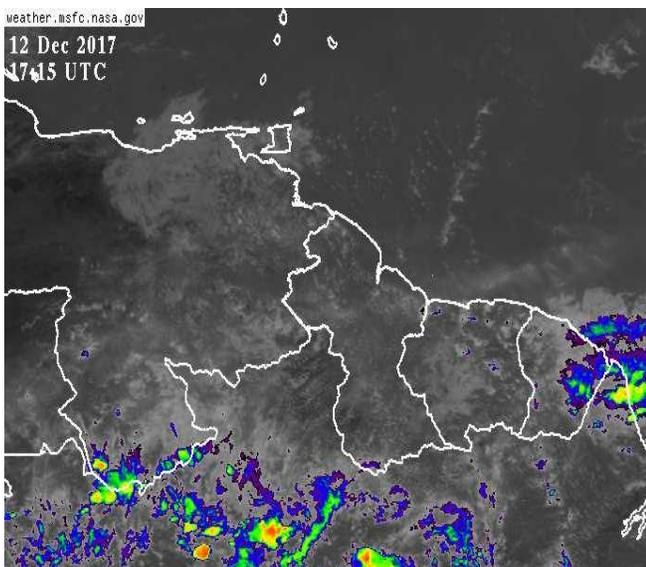
Synopsis: Upper level convergence and subsidence remained dominant.

Today's weather review: Sunny skies was observed throughout Guyana, few brief passing showers in some areas.

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

Tuesday December 12, 2017 (19:00 hrs – 07:00 hrs)			Wednesday December 13, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions	Partly cloudy skies with isolated showers.	Regions	Weather Conditions	Partly cloudy and sunny skies can be expected throughout Guyana; some areas can expect periods of cloudiness with brief light passing showers.
Regions 1 to 10	 Rainfall between: 0.0 mm to 10.0 mm.	Winds: Breezy to Light Minimum temperatures: Coast: 23 °C – 26°C Hinterland: 22 °C – 25 °C	Regions 1 to 10	 Rainfall between: 0.0 mm and 15.0 mm	Winds: Breezy Maximum temperatures: Coast: 30 °C – 32°C Hinterland: 32 °C – 36 °C

The long-term daily average rainfall for Georgetown, for the next 10 days, December 12 to December 21, 2017 is 9.7 per day.



Infra-red Satellite image valid 19:15 UTC (15:15hrs) Monday December 11, 2017

Table # 2 Occurrences of high and low tides for the next 24 hours and the times for sunrise and sunset.

Warnings: *Above normal high tide is not in effect*

Tonight December 12, 2017)	Tomorrow Morning (December 13, 2017)	Tomorrow Afternoon (December 13, 2017)
	High Tide 00:25hr Height 13.18m Low Tide 06:47hrs Height 1.10m	High Tide 13:18hrs Height 2.74m Low Tide 19:02hrs Height 0.85m
Sunrise	05:54hrs	Sunset
		17:38hrs

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

Extended Forecast

Thursday thru Monday: Partly cloudy and sunny skies with few passing showers can be expected throughout Guyana. **Rainfall is expected to range between 5.0 mm and 20.0 mm within a 24hrs period.**

Seasonal Information (UPDATED 13 November, 2017) – La Niña Watch

La Niña conditions are predicted to continue (~65-75% chance) at least through the Northern Hemisphere winter (November – March) 2017-18.

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According to the ENSO update issued on Thursday 09 November, 2017, by the Climate Prediction Centre, during October, weak La Niña conditions emerged as reflected by below-average sea surface temperatures (SSTs) across most of the central and eastern equatorial Pacific Ocean. Sub-surface temperatures remained below average during October, reflecting the anomalously shallow depth of the thermocline across the central and eastern Pacific. Also, convection was suppressed near the International Date Line and slightly enhanced over parts of the Maritime Continent and the Philippines. Over the equatorial Pacific Ocean, low-level trade winds were mainly near average, but the upper-level winds were strongly anomalously westerly and the Southern Oscillation Index was positive.

For the remainder of the Northern Hemisphere fall and winter 2017-18, a weak La Niña is favoured based on several models. The consensus of forecasters is for the event to continue through approximately February-April 2018.

The latest Caribbean Climate Outlook Forum (CARICOF) precipitation outlook, for the period November-December-January 2017-18 indicates that Guyana can expect a 45% probability of above-normal, 35% normal and 20% below-normal. For a Regional forecast please see the Guyana's Seasonal Climate Outlook November-December-January 2017-18 produced by the Climatological section of the Hydrometeorological Service. Surface analysis shows that the Inter-tropical Convergence Zone (ITCZ) is currently oscillating mostly between 06 ° North to 10 ° north. Additionally, surface troughs are passing further north. These and other dynamic and thermodynamic features in the atmosphere indicate that Guyana is still in the second dry season for the year and is slowly transitioning into the secondary rainy season which is expected to start during the last week in November to the first week in December. Based on the current and expected ENSO conditions and the CARICOF precipitation outlook, Guyana can expect above normal to normal rainfall during the next three (3) months.

Update in the bulletin is provided daily by the Hydromet Service: www.hydromet.gov.gy

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