

MINISTRY OF AGRICULTURE HYDROMETEOROLOGICAL SERVICE

WEATHER BRIEF for Thursday December 14, 2017 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00hrs Thursday December 14, 2017, were available for most of the stations.

The highest rainfall of 28.6 mm was recorded at Wash Clothes in Region 5.

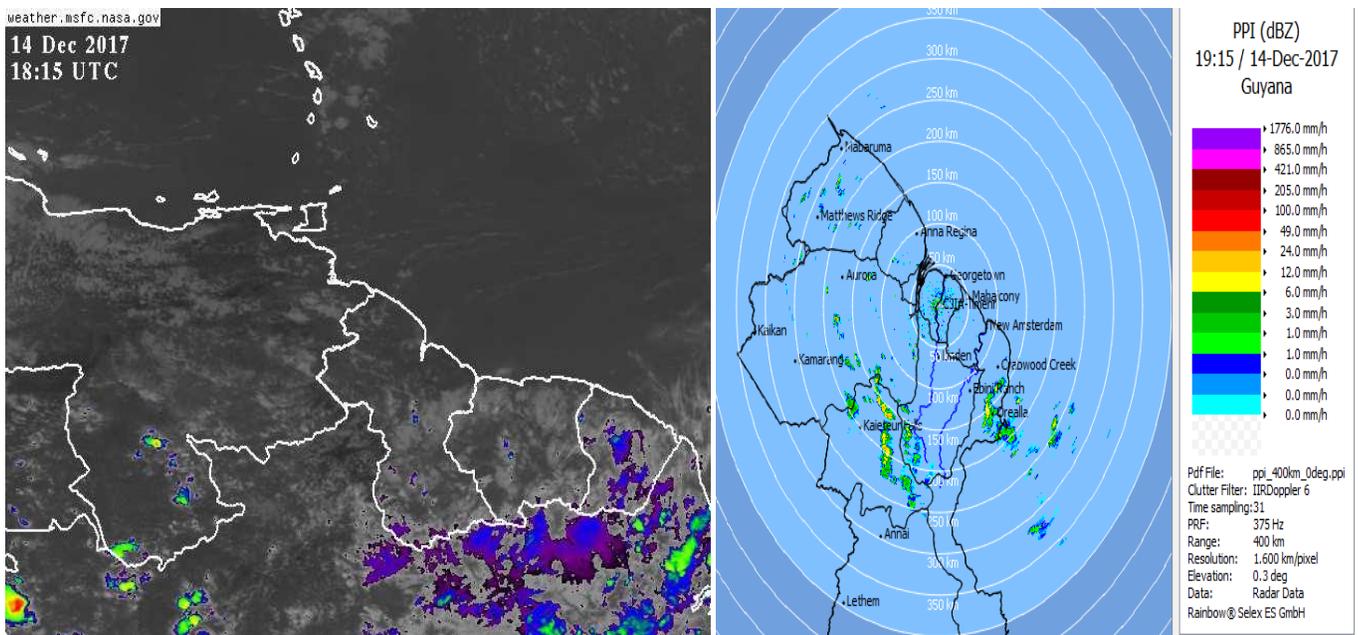
Synopsis: Saharan Dust and subsidence were the controlling factors affecting Guyana.

Today's weather review: Apart from few early morning showers, generally sunny skies were observed.

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

Thursday December 14, 2017 (19:00 hrs – 07:00 hrs)			Friday December 15, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions	Partly cloudy skies with brief early morning showers.	Regions	Weather Conditions	Partly cloudy and sunny skies can be expected throughout Guyana; some areas can expect periods of cloudiness with brief passing showers.
Regions 1 to 10	 Rainfall between: 0.0 mm to 10.0 mm.	<u>Winds:</u> Breezy to Light. <u>Minimum temperatures:</u> Coast: 22 °C – 24°C Hinterland: 20 °C – 22 °C	Regions 1 to 10	 Rainfall between: 0.0 mm and 15.0 mm	<u>Winds:</u> Breezy to windy at times <u>Maximum temperatures:</u> Coast: 30 °C – 33°C Hinterland: 31 °C – 34 °C

The long-term daily average rainfall for Georgetown, for the next 10 days, December 14 to December 23, 2017 is 10.0 per day.



Infra-red Satellite image valid 19:15 UTC (15:15hrs) Thursday December 14, 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 14, 2017)		Tomorrow Morning (December 15, 2017)		Tomorrow Afternoon (December 15, 2017)	
Low Tide 19:51hrs Height 0.75m		High Tide 02:11hrs Height 2.57m Low Tide 08:19hrs Height 0.98m		High Tide 14:36hrs Height 2.84m Above normal	
Sunrise	05:55hrs	Sunset	17:39hrs		

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

Extended Forecast

Saturday thru Monday: Mostly cloudy to overcast skies with occasional showers during the early morning and late afternoon. **Rainfall is expected to range between 5.0 mm and 30.0 mm within a 24hrs period.**

Tuesday and Wednesday: Mostly fair and sunny skies can be expected across Guyana with brief early morning showers. **Rainfall is expected to range between 0.0 mm and 10.0 mm within a 24hrs period.**

Our Mission: To Observe, archive and understand Guyana's weather, and Climate and provide meteorological, hydrological and oceanographic service in support of Guyana's national needs and international obligation.

***MINISTRY OF AGRICULTURE
HYDROMETEOROLOGICAL SERVICE***

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.

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
Senior Meteorological Technician: E. McPherson

Our Mission: To Observe, archive and understand Guyana's weather, and Climate and provide meteorological, hydrological and oceanographic service in support of Guyana's national needs and international obligation.