

MINISTRY OF AGRICULTURE HYDROMETEOROLOGICAL SERVICE

WEATHER BRIEF for Saturday December 16, 2017 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00hrs Saturday December 16, 2017, were available for most of the stations.

The highest rainfall of 24.1mm was recorded at Ogle in Region 4.

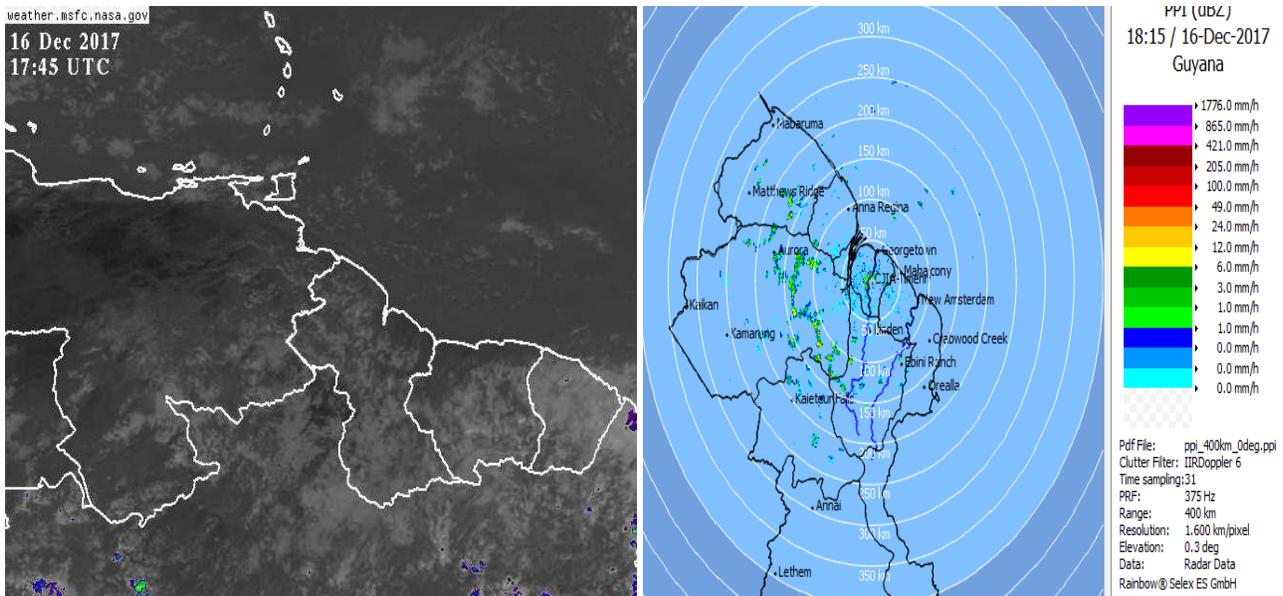
Synopsis: Strong subsidence and Saharan Dust continues to dominate across Guyana. Shallow moisture in the lower atmosphere allowing shallow convective builds.

Today's weather review: Sunny skies were observed throughout Guyana.

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

Saturday December 16, 2017 (19:00 hrs – 07:00 hrs)			Sunday December 17, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions	Partly cloudy skies with early morning passing 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 becoming light. <u>Minimum temperatures:</u> Coast: 23 °C – 26°C Hinterland: 22 °C – 24 °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: 31 °C – 33°C Hinterland: 31 °C – 34 °C

The long-term daily average rainfall for Georgetown, for the next 10 days, December 16 to December 25, 2017 is 10.0 per day.



Infra-red Satellite image valid 19:15 UTC (15:15hrs) Saturday December 16, 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 16, 2017)	Tomorrow Morning (December 17, 2017)	Tomorrow Afternoon (December 16, 2017)
Low Tide 21:17hrs Height 0.62m	High Tide 03:30hrs Height 2.64m Low Tide 09:31hrs Height 0.90m	High Tide 15:43hrs Height 2.87m
Sunrise	05:56hrs	Sunset 17:40hrs

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

Extended Forecast

Monday and Friday: Sunny skies can be expected with a few cloudy spells and possible passing showers. **No significant rainfall is expected**

Tuesday thru Thursday: Mostly cloudy skies with scattered showers during the early morning and late evening can be expected throughout Guyana. **Rainfall is expected to range between 5.0 mm and 20.0 mm within a 24hrs period.**

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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

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