

***MINISTRY OF AGRICULTURE
HYDROMETEOROLOGICAL SERVICE***

WEATHER BRIEF for Sunday February 11, 2018 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00hrs Saturday February 10, 2018, were available for most of the stations.

The highest rainfall of 72.1 mm was recorded at Leonora Corner in Region 3.

Synopsis: Strong trade winds produced low level instability over the forecast area. The mid to upper atmosphere provided vertical shear which inhibited the development to deep convective clouds.

Today's weather review: Cloudy to overcast skies with light to moderate showers and intermittent to frequent rain were observed throughout Guyana today. The latest forecast data is showing that a similar pattern will continue throughout the coming week.

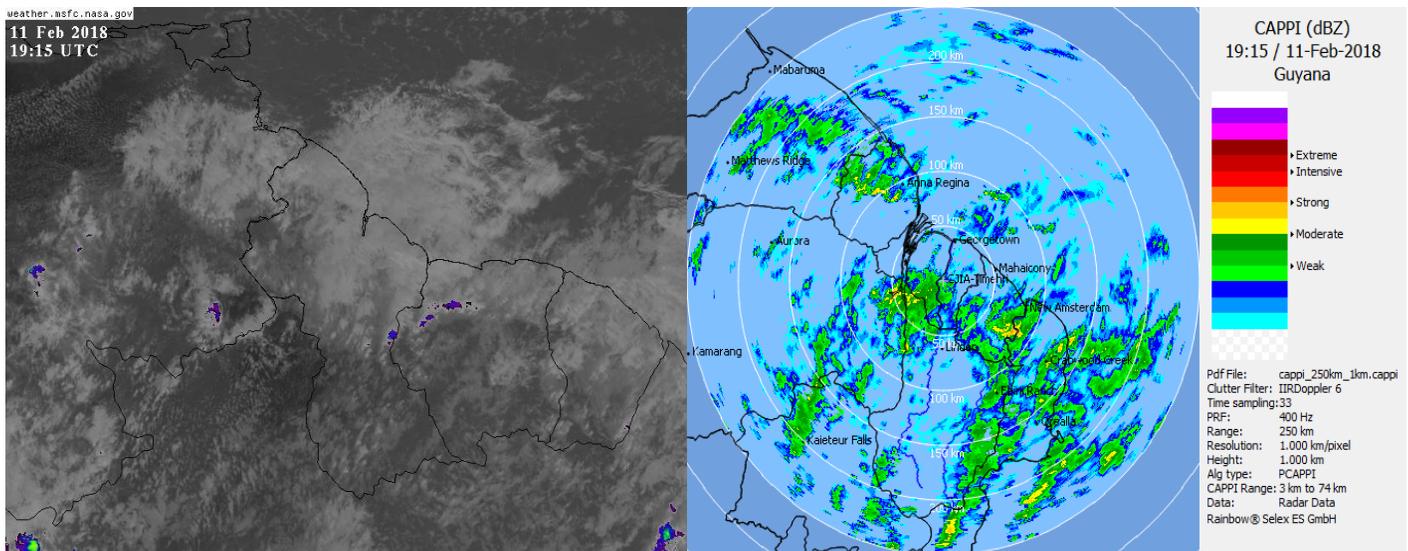
Table # 1 Weather forecast for the next Twenty-four hours.

The long-term daily average rainfall for Georgetown, for the next 10 days, February 11, 2018 to February 20, 2018 is

Sunday February 11, 2018 (19:00 hrs. – 07:00 hrs.)			Monday February 12, 2018 (07:00 hrs. – 19:00 hrs.)		
Regions	Weather Conditions	Cloudy to overcast skies are expected throughout Guyana tonight. Light to moderate showers and intermittent rain are also likely.	Regions	Weather Conditions	Cloudy to overcast skies are expected throughout Guyana. these conditions may be accompanied by light to moderate showers and intermittent rain.
Regions 1 to 10	 Rainfall between: 10.0 mm to 35.0 mm.	Winds: north-easterly between 3 m/s and 5 m/s, becoming gusty at times. Minimum temperatures: Coast: 21 °C – 24°C Hinterland: 17 °C – 21 °C	Regions 1 to 10	 Rainfall between: 10.0 mm and 25.0 mm	Winds: North-easterly between 4 m/s and 9 m/s, becoming gusty at times. Maximum temperatures: Coast: 28 °C – 30°C Hinterland: 25 °C – 32 °C

4.3 per day.

Warnings: *DUE TO THE HIGH WAVES, OVERTOPPING OF THE SEA DEFENSE MAY OCCUR.*



Infra-red Satellite and Radar images valid 19:15 UTC (15:15hrs) Sunday 11 February, 2018

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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 (February 11, 2018)	Tomorrow Morning (February 12, 2018)		Tomorrow Afternoon (February 12, 2018)
<i>Low Tide 19:51hrs Height 0.85m</i>	<i>High Tide 02:15hrs Height 2.42m</i> <i>Low Tide 08:18hrs Height 1.09m</i>		<i>High Tide 14:24hrs Height 2.68m</i>
<i>Sunrise</i>	<i>06:09hrs</i>	<i>Sunset</i>	<i>17:02hrs</i>

Sea conditions: MODERATE TO ROUGH SEAS WITH WAVES REACHING HEIGHTS OF 2.5 TO 3.0 METERS IN OPEN WATERS.

Extended Forecast

Tuesday thru' Saturday: Cloudy to overcast skies are likely over the forecast area throughout this period. Light to moderate showers and intermittent rain is likely on Tuesday. Rainfall is expected to range between **10 mm and 45 mm**. Frequent to continuous rain and moderate showers are forecast for all other days. Between **25 mm and 60 mm** rainfall is likely to accumulate during a twenty-four hours period.

Seasonal Information (UPDATED 11 January, 2018) – La Niña Advisory

La Niña is likely exceeding ~80% through the Northern Hemisphere winter (December – February) 2017-18, with a transition to ENSO-neutral most likely during the mid-to-late spring (March to May).

According to the ENSO update issued on Thursday 11 January, 2018, by the Climate Prediction Centre, La Niña continued during December, as indicated by the pattern of below-average sea surface temperatures (SSTs) across the central and eastern equatorial Pacific Ocean. Negative sub-surface temperature anomalies in the central and east central equatorial Pacific weakened at the end of December as anomalously warm waters in the western Pacific at depths greater than 100 m propagated eastward. The atmospheric conditions over the tropical Pacific Ocean also reflected La Niña, with suppressed convection near and east of the International Date Line and enhanced convection to the north of Indonesia. Also, the low-level trade winds continued to be stronger than average over the western and central Pacific. Overall, the ocean and atmosphere system remained consistent with La Niña.

Based on most of the forecast models and observations La Niña will persist through the Northern Hemisphere winter 2017-18. Based on the latest observations and forecast guidance, forecasters believe this weak-to-moderate La Niña is currently peaking and will eventually weaken into the spring.

The latest Caribbean Climate Outlook Forum (CARICOF) precipitation outlook, for the period January-February-March 2018 indicates that Guyana can expect a 50% probability of above-normal, 30% normal and 20% below-normal. For a Regional forecast please see the Guyana's Seasonal Climate Outlook January-February-March 2018 produced by the Climatological section of the Hydrometeorological Service. Surface analysis shows that the Inter-tropical Convergence Zone (ITCZ) is currently oscillating mostly between 01 ° South to 06 ° north. Additionally, surface troughs are passing further north. These and other dynamic and thermodynamic features in the atmosphere indicate that Guyana is still in its secondary rainy season. 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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