

***MINISTRY OF AGRICULTURE  
HYDROMETEOROLOGICAL SERVICE***

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



Rainfall records for the past 24 hours, measured at 08:00hrs Sunday March 11, 2018, were available for most of the stations.

**The Highest rainfall of 5.5 mm was recorded at Hog Island Essequibo River, in Region 3.**

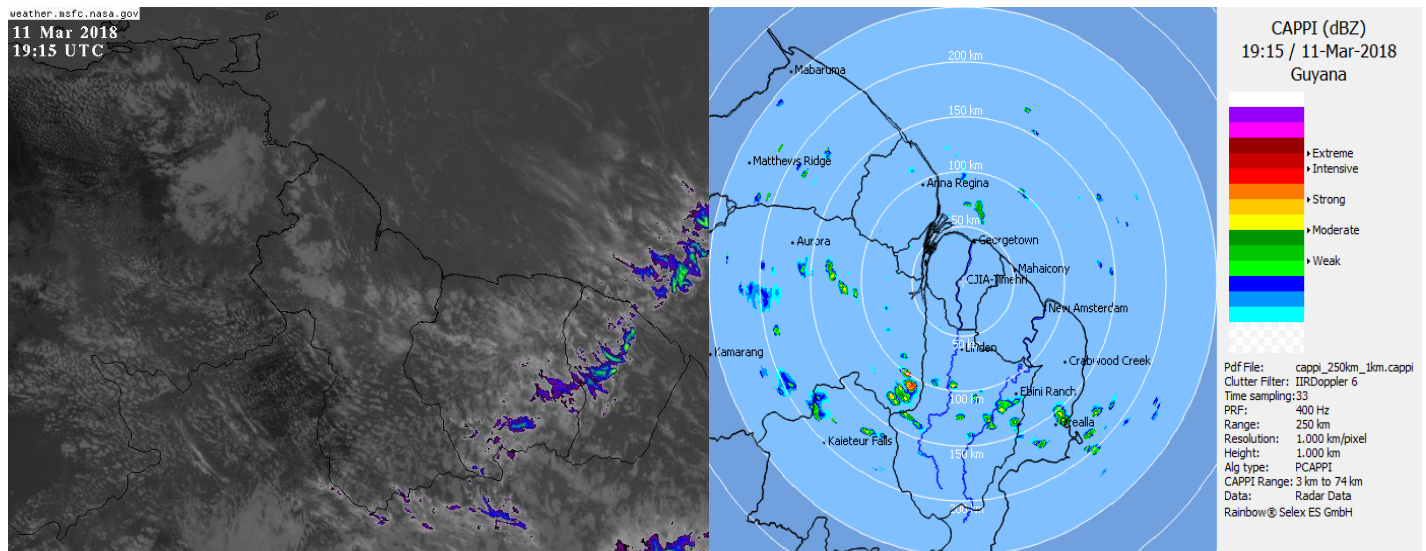
**Synopsis:** The Subtropical High is producing ridging and a temperature inversion in the lower atmosphere. Isolated pockets of instability are being created by diurnal heating and frictional convergence of the trade winds.

**Today's weather review:** Partly cloudy and sunny skies were experienced throughout Guyana today. Some Hinterland locations also experienced cloudy spells with isolated showers during the afternoon.

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

Sunday March 11, 2018 (19:00 hrs. – 07:00 hrs.)			Monday March 12, 2018 (07:00 hrs. – 19:00 hrs.)		
Regions	Weather Conditions	Generally fair is expected to continue over the forecast area. Cloudy spells are also likely over hinterland locations during the evening hours and along the coast during the early morning hours.  <u>Winds:</u> North-easterly between 2 m/s and 5 m/s.  <u>Minimum temperatures:</u>  Coast: 22 °C – 26 °C  Hinterland: 21 °C – 23 °C	Regions	Weather Conditions	<b>Partly cloudy and sunny skies, becoming occasionally cloudy with isolated showers, are expected to prevail throughout Guyana.</b>  <u>Winds:</u> North-easterly between 5 m/s and 9 m/s, becoming gusty at times.  <u>Maximum temperatures:</u>  Coast: 30 °C – 33 °C  Hinterland: 31 °C – 36 °C
Regions 1 to 10	 <b>Rainfall between: 0.0 mm to 10.0 mm with the maximum over Regions 7 to 10.</b>		Regions 1 to 10	 <b>Rainfall between: 0.0 mm to 10.0 mm with the maximum over Regions 7 to 10.</b>	

The long-term daily average rainfall for Georgetown, for the next 10 days, March 11, 2018 to March 20, 2018 is 4.2 per day.



**Infra-red Satellite and Radar image valid 19:15 UTC (15:15hrs) Sunday March 11, 2018**

**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(March 11,2018)	Tomorrow Morning(March 12, 2018)	Tomorrow Afternoon(March 12 ,2018)	
	High Tide 00:54hrs Height 2.25m  Low Tide 07:10hrs Height 1.29m	High Tide 13:13hrs Height 2.46m	
Sunrise	06:00hrs	Sunset	18:03hrs

**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***

***Sea conditions: ROUGH SEAS WITH WAVES REACHING HEIGHTS OF 3.0 TO 3.5 METERS IN OPEN WATERS. OVERTOPPING OF THE SEA DEFENSE IS LIKELY, ESPECIALLY DURING THE HIGH TIDES.***

***Extended Forecast***

***Tuesday thru' Saturday: Partly cloudy and sunny skies, interrupted by brief cloudy spells and isolated showers, are expected throughout Guyana during this period. Rainfall is likely to range between 0 mm and 15 mm with the maximum over regions 7 and 10.***

**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](http://www.hydromet.gov.gy)

Meteorologist: L. Alves

***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.***