

# WEATHER BRIEF for Saturday February 03, 2018 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00hrs Saturday February 03, 2018, were available for most of the stations. The highest rainfall of 8.0 mm was recorded at Fort Island Essequibo River in region 3.

**Synopsis:** Strong trade winds and a moist lower atmosphere produced some instability over some areas today. However, a very active Sahara Air Layer continues to suppress convection over the forecast area.

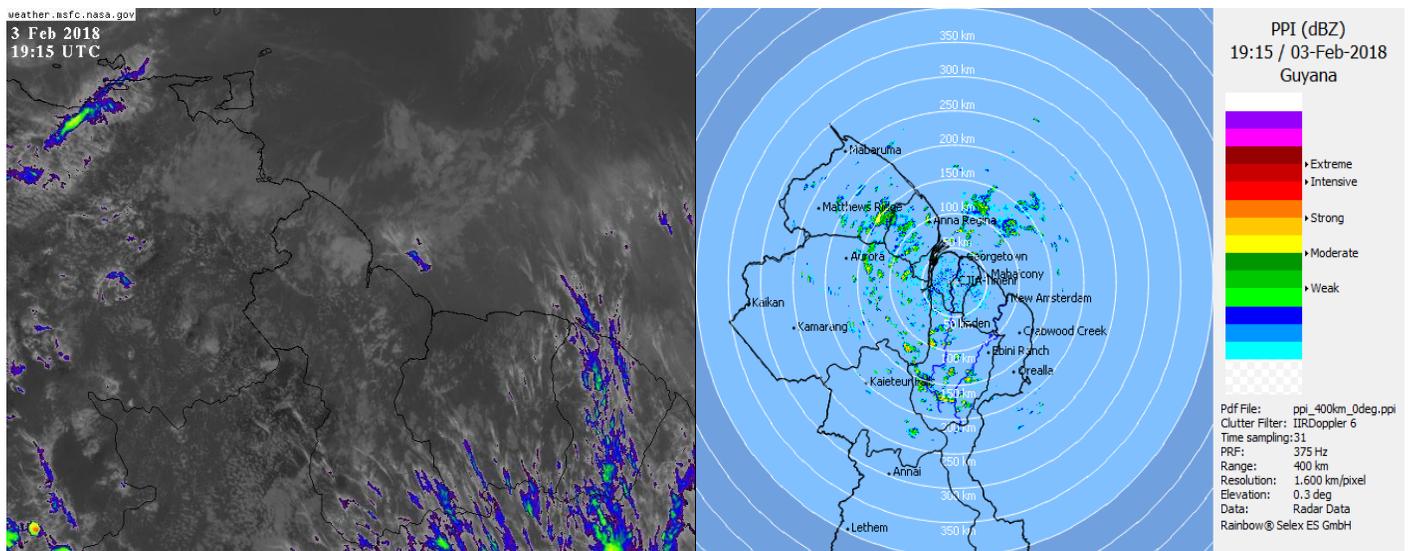
**Today's weather review:** Cloudy skies with scattered light showers were experienced throughout Guyana today.

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

Saturday February 03, 2018 (19:00 hrs. – 07:00 hrs.)			Sunday February 04, 2018 (07:00 hrs. – 19:00 hrs.)		
Regions	Weather Conditions	Cloudy skies with scattered showers are likely throughout Guyana tonight. Coastal locations may see an increase in intensity and occurrence of these showers during the early morning hour.  <u>Winds:</u> North-easterly between 2 m/s and 5 m/s.  <u>Minimum temperatures:</u>  Coast: 21 °C – 24°C  Hinterland: 17 °C – 22 °C	Regions	Weather Conditions	Cloudy conditions are expected throughout Guyana. These conditions are likely to be accompanied by scattered light showers along coastal areas and region 9 and by predominantly scattered moderate showers elsewhere.  <u>Winds:</u> Northerly to easterly between 5 m/s and 9 m/s becoming gusty at times.  <u>Maximum temperatures:</u>  Coast: 30 °C – 33 °C  Hinterland: 30 °C – 35 °C
Regions 1 to 10	 <b>Rainfall between: 0.0 mm to 15.0 mm.</b>		Regions 1 to 6 and 9	 <b>Rainfall between: 0.0 mm and 10.0 mm</b>	
			All other locations	 <b>Rainfall between: 5.0 mm and 15.0 mm</b>	

The long-term daily average rainfall for Georgetown, for the next 10 days, February 03, 2018 to February 12, 2018 is 4.2 per day.

**Warnings:** Above normal high tide warnings are in effect.



Infra-red Satellite and radar images valid 19:15 UTC (15:15hrs) Saturday 03 February, 2018

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

Tonight (February 03, 2018)	Tomorrow Morning (February 04, 2018)	Tomorrow Afternoon (February 03, 2018)	
--:--	<p><b>Low Tide 00:27hrs</b> <b>Height 0.50m</b></p> <p><b>High Tide 06:57hrs</b> <b>Height 2.97m</b></p> <p><b>ABOVE NORMAL</b></p>	<p><b>Low Tide 12:53 hrs</b> <b>Height 0.55m</b></p> <p><b>High Tide 18:53hrs</b> <b>Height 2.96m</b></p> <p><b>ABOVE NORMAL</b></p>	
<b>Sunrise</b>	<b>06:10hrs</b>	<b>Sunset</b>	<b>17:00hrs</b>

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**Sea conditions: MODERATE SEAS WITH WAVES REACHING HEIGHTS OF 2.0 TO 2.5 METERS IN OPEN WATERS**

**Extended Forecast**

**Monday thru' Friday: Partly cloudy to cloudy skies with scattered showers are expected throughout Guyana during this period. Twenty-four hours accumulated rainfall is likely to range between 5 mm and 20 mm with the maximum over regions 7, 8 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)

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