

***MINISTRY OF AGRICULTURE  
HYDROMETEOROLOGICAL SERVICE***

**WEATHER BRIEF for Thursday February 01, 2018 from the Hydrometeorological Service, Guyana**

Rainfall records for the past 24 hours, measured at 08:00hrs Thursday February 01, 2018, were available for most of the stations.

**No significant rainfall was recorded.**

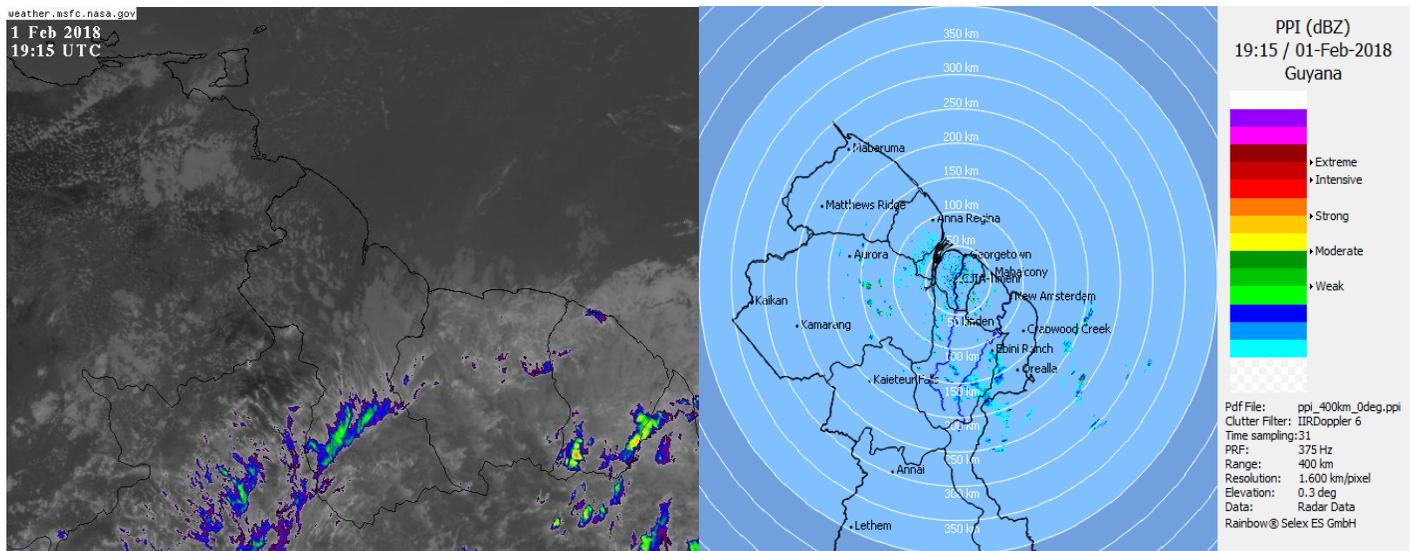
**Synopsis:** Ridging in the mid-atmosphere, confluencing in the upper atmosphere and an active Sahara Air layer dominated the forecast area today. Shallow moisture and a brisk trade wind produced isolated instability.

**Today's weather review:** Varying cloudiness and passing showers were experienced throughout Guyana today.

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

Thursday February 01, 2018 (19:00 hrs. – 07:00 hrs.)			Friday February 02, 2018 (07:00 hrs. – 19:00 hrs.)		
Regions	Weather Conditions	Partly cloudy skies becoming occasionally cloudy with isolated showers are expected throughout Guyana tonight.  <u>Winds:</u> North-easterly between 3 m/s and 5 m/s.  <u>Minimum temperatures:</u>  Coast: 22 °C – 25°C  Hinterland: 17 °C – 22 °C	Regions	Weather Conditions	Coastal locations may experience cloudy skies during the morning becoming partly cloudy and sunny as the day progresses. All other areas can expect cloudy skies with scattered showers.  <u>Winds:</u> North-easterly to easterly between 4 m/s and 9 m/s, becoming gusty at times.  <u>Maximum temperatures:</u>  Coast: 31 °C – 33 °C  Hinterland: 31 °C – 36 °C
Regions 1 to 10	 <b>Rainfall between: 0.0 mm to 10.0 mm.</b>		Regions 1 to 10	 <b>Rainfall between: 0.0 mm and 10.0 mm</b>	

The long-term daily average rainfall for Georgetown, for the next 10 days, February 01, 2018 to February 10, 2018 is 4.0 per day.



Infra-red Satellite and radar images valid 19:15 UTC (15:15hrs) Thursday 01 February, 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 in effect.*

Tonight (February 01, 2018)	Tomorrow Morning (February 02, 2018)	Tomorrow Afternoon (February 02, 2018)
Low Tide 23:05hrs Height 0.27m	High Tide 05:33hrs Height 3.16m  <b>ABOVE NORMAL</b>  Low Tide 11:20hrs Height 0.35m	High Tide 17:25hrs Height 3.24m  <b>ABOVE NORMAL</b>
Sunrise	06:10hrs	Sunset
		17:00hrs

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

**Extended Forecast**

**Saturday and Sunday:** Cloudy skies and scattered light showers are expected throughout Guyana during this period. Rainfall is forecast to range between **0 mm and 20 mm** with the maximum over Regions 7 to 10.

**Monday thru' Thursday:** Partly cloudy and sunny skies are expected throughout Guyana during this period. Coastal locations may also experience passing showers accumulating between **0 mm and 5 mm**. All other locations may experience cloudy spells with light to moderate showers during the afternoon and early evening hours. Rainfall is likely to range between **5 mm and 20 mm**.

**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

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