

***MINISTRY OF AGRICULTURE
HYDROMETEOROLOGICAL SERVICE***

WEATHER BRIEF for Monday February 12, 2018 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00hrs Monday February 12, 2018, were available for most of the stations.

The highest rainfall of 53.0 mm was recorded at Charity Pomeroun in Region 2.

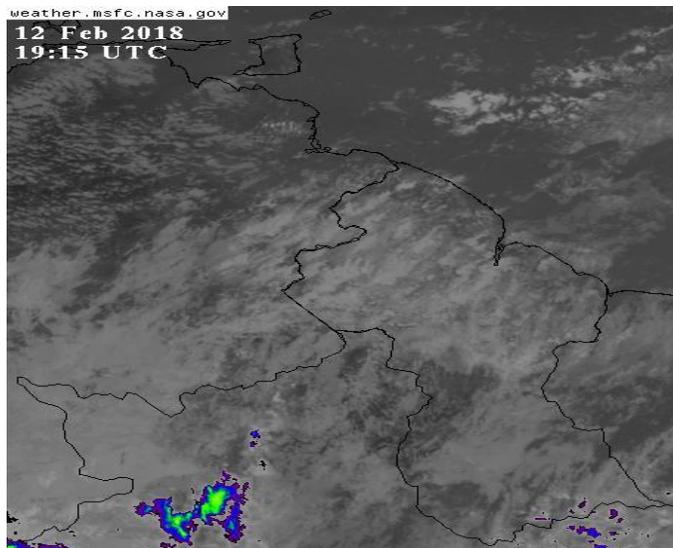
Synopsis: Unstable conditions are affecting Guyana.

Today's weather review: All Regions observed cloudy skies with frequent light to moderate showers.

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

Monday February 12, 2018 (19:00 hrs. – 07:00 hrs.)			Tuesday February 13, 2018 (07:00 hrs. – 19:00 hrs.)		
Regions	Weather Conditions		Regions	Weather Conditions	
Regions 1 to 10	 Rainfall between: 5.0 mm to 25.0 mm.	Cloudy skies with light to moderate showers can be expected throughout Guyana. Winds: Mostly breezy Minimum temperatures: Coast: 22 °C – 24°C Hinterland: 21 °C – 23 °C	Regions 1 to 10	 Rainfall between: 10.0 mm and 40.0 mm	Cloudy skies with light to moderate showers and intermittent rain can be expected throughout Guyana. Winds: Mostly light becoming breezy at times Maximum temperatures: Coast: 28 °C – 30°C Hinterland: 28 °C – 32 °C

The long-term daily average rainfall for Georgetown, for the next 10 days, February 12, 2018 to February 21, 2018 is 4.3 per day.



Infra-red Satellite image valid 19:15 UTC (15:15hrs) Monday February 12, 2018

Warnings: **CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE ADVISORY IS NOT IN EFFECT. THE NEXT PERIOD WILL BEGIN TUESDAY FEBRUARY 13, 2018.**

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

Tonight (February 09, 2018)	Tomorrow Morning (February 10, 2018)	Tomorrow Afternoon (February 10, 2018)	
Low Tide 20:36hrs Height 0.74m	High Tide 02:53hrs Height 2.55m Low Tide 08:54hrs Height 0.97m	High Tide 15:01hrs Height 2.78m	
Sunrise	06:08hrs	Sunset	18:02hrs

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

Extended Forecast

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Wednesday thru' Friday: Cloudy to overcast skies with frequent light to moderate showers, intermittent rain and isolated thundershowers can be expected throughout Guyana. **Rainfall is expected to range between 20.0 mm and 70.0 mm (0.8 in and 2.8 in) within a 24hrs period.**

Saturday and Sunday: Partly cloudy to cloudy skies with scattered light to moderate showers can be expected throughout Guyana; conditions are likely to improve over coastal areas during the afternoon. **Rainfall is expected to range between 0.0 mm and 25.0 mm (0.0 in and 1.0 in) within a 24hrs 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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