

HYDROMETEOROLOGICAL SERVICE
MINISTRY OF AGRICULTURE

WEATHER BRIEF for Saturday January 02, 2021 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00hrs Saturday January 02, 2021, were available for most of the stations.

The highest rainfall of 60.5mm was record at Maria's Lodge Essequibo in Region 2.

Synopsis: A very moist vertical atmospheric profile continued from surface to 700 hPa throughout Guyana. Due to the mid-upper level atmospheric trough orientation which generated subsidence over parts of northern Guyana inhibiting deep convection/cloud development during the morning period. However, the movement of the mid-upper atmospheric trough towards the second half of the forecast period enhanced more unstable conditions. According to numerical models for the next 24-36 hours the meandering of the mid-upper atmospheric trough indicates favourable support for deep convection, added to that a shear line is also expected along the coast which will contribute to a more unstable atmosphere.

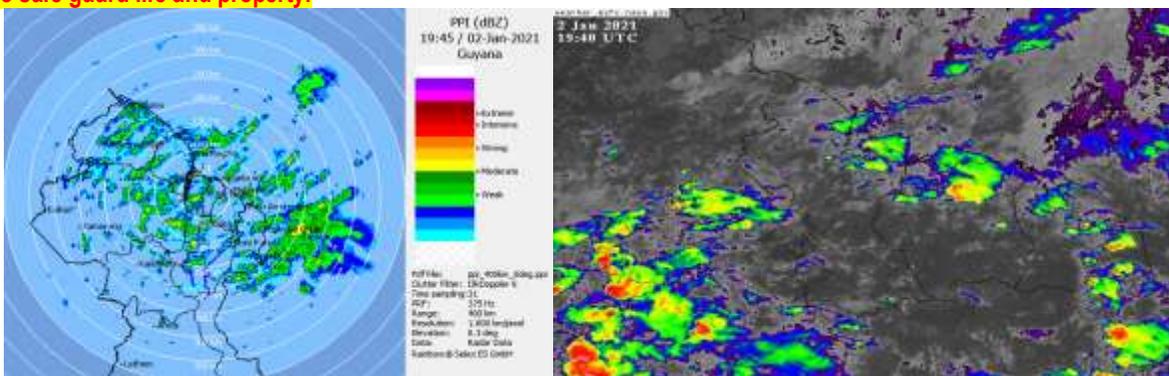
Today's weather review: Cloudy skies becoming overcast at times with light to moderate showers, frequent rain and thundershowers were observed over northern Guyana (regions 1 to 8 and 10). All other areas observed partly cloudy to cloudy skies with scattered light showers throughout the day.

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

Saturday January 02, 2021 (19:00 hrs. – 07:00 hrs.)			Sunday January 03, 2021 (07:00 hrs. – 19:00 hrs.)		
Regions	Weather Conditions		Regions	Weather Conditions	
Regions 1 to 6N, 7 and 10.	 Rainfall between: 45 to 90 mm.	Mainly cloudy to overcast skies are likely across Guyana. However southern region 6 and 9 can expect light to moderate showers and intermittent rain in the early morning. All other areas can expect frequent light to heavy showers and continuous rain. Thundershowers are likely over regions 1 to 5, northern region 6, 7 and 10.	Regions 1 to 8 and 10	 Rainfall between: 35 and 70 mm	Cloudy to overcast skies are likely throughout Guyana. However southern Guyana can expect light to moderate showers and intermittent rain. All other areas can expect frequent light to heavy showers and continuous rain. Thundershowers are likely over regions 1 to 6N, 7 and 10.
Region 8	 Rainfall between: 30 to 60 mm.	Winds: Varying directions between 2 to 5 m/s, becoming calm at times and gusting before and during thundershowers/heavy downpours.	All other areas.	 Rainfall between: 10 and 30 mm	Winds: Varying directions between 4 to 8 m/s, gusting before and during thundershowers/ heavy downpours.
All other areas.	 Rainfall between: 20 to 40 mm.	Minimum temperatures: Coast: 22 °C – 25°C Hinterland: 20 °C – 22 °C			Maximum temperatures: Coast: 27 °C – 30°C Hinterland: 28 °C – 31°C

The long-term daily average rainfall for Georgetown, for the next 10 days, January 03, 2021 to January 12, 2021 is 8.6mm per day.

Severe Weather Warnings: Areas of heavy showers/thundershowers/rain, given the current and expected weather conditions for the next 24-36 hours, coupled with overtopping of river and sea defence, water accumulation will result in flooding in low lying and poor drainage areas, coastal and riverine areas. Hilly areas may experience landslides. Persons are asked to exercise precautionary measures to safe guard life and property.



Radar and Infra-Red Satellite valid 19:45 & 19:40 UTC (15:45 & 15:40hrs) Saturday January 2, 2021.

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.

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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(January 02, 2021)	Tomorrow Morning(January 03, 2021)		Tomorrow Afternoon(January 03, 2021)
<p>----- -----</p>	<p><i>Low Tide 00:32hrs Height 0.70m</i></p> <p><i>High Tide 07:08hrs Height 2.66m</i></p>		<p><i>Low Tide 13:00hrs Height 0.87m</i></p> <p style="background-color: yellow;"><i>High Tide 18:54hrs Height 2.88m</i></p>
<i>Sunrise</i>	<i>06:04hrs</i>	<i>Sunset</i>	<i>17:48hrs</i>

HIGH TIDE ADVISORY: Citizens are advised that above normal high tide advisory is in effect until Monday January 04, 2021.

Sea and Wave conditions: ROUGH SEAS WITH NORTH TO NORTH-EASTERLY WAVES REACHING HEIGHTS OF 3.0 TO 3.5 METERS IN OPEN WATERS. THESE WAVES ARE LIKELY TO HAVE PERIODS OF BETWEEN 9 S AND 12 S. WINDS ARE EXPECTED TO BE NORTH-EASTERLY BETWEEN 8 M/S TO 10 M/S.

Extended Forecast

Monday thru Wednesday: Mostly cloudy skies are likely to prevail throughout Guyana. However southern Guyana can expect scattered light showers, Coastal regions can expect frequent morning showers and all other areas can expect occasional showers and scattered thundershowers during afternoon into evening. *Rainfall is anticipated between 0 to 10 mm over southern region 6 and 9, Coastal areas between 15 to 35 mm and all other areas between 20 to 50 mm within a 24 hours' period.*

Thursday and Friday: Partly cloudy skies becoming occasionally cloudy with scattered showers are likely over coastal areas during the early morning. Regions 7, 8, 10 and inland coastal areas can expect cloudy skies to become overcast by afternoon with light to moderate showers and isolated thundershowers. All other areas can expect cloudy to overcast skies with intermittent rain and thundershowers. *Rainfall is anticipated between 0 to 20 mm over Coastal areas, Regions 7, 8, 10 and inland coastal areas between 20 to 40 mm and southern region 6 and 9 between 30 to 60 mm within a 24 hours' period.*

For the Regional climate forecast please see the Guyana's Seasonal Climate Outlook August to October 2019 produced by the Climatological section of the Hydrometeorological Service and available on the website:

<https://drive.google.com/file/d/1jW2wGXhIUyLfwJ1ZkEHl7OI8R78emXuA/view>

Update in the bulletin is provided daily by the Hydromet Service: <http://hydromet.gov.gy/>
Meteorologist: D. Ramlakhan

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