

HYDROMETEOROLOGICAL SERVICE
MINISTRY OF AGRICULTURE





WEATHER BRIEF for Saturday January 07, 2023 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00hrs Saturday January 07, 2023 were available for most of the stations. **Uitvlugt in Region 3 recorded the highest rainfall of 32.2mm.**

Synopsis: Deep atmospheric moisture and the vertical wind shear remain very high over the forecast areas. With the formation of a confluent asymptote along the surface, unstable conditions were seen over the forecast area today. A few pockets of light winds aloft also allowed for the growth of deep convective clouds over some areas. With the exception of temporary intrusions of dry air at the mid-level, the atmosphere is expected to remain mostly moist during the coming week.

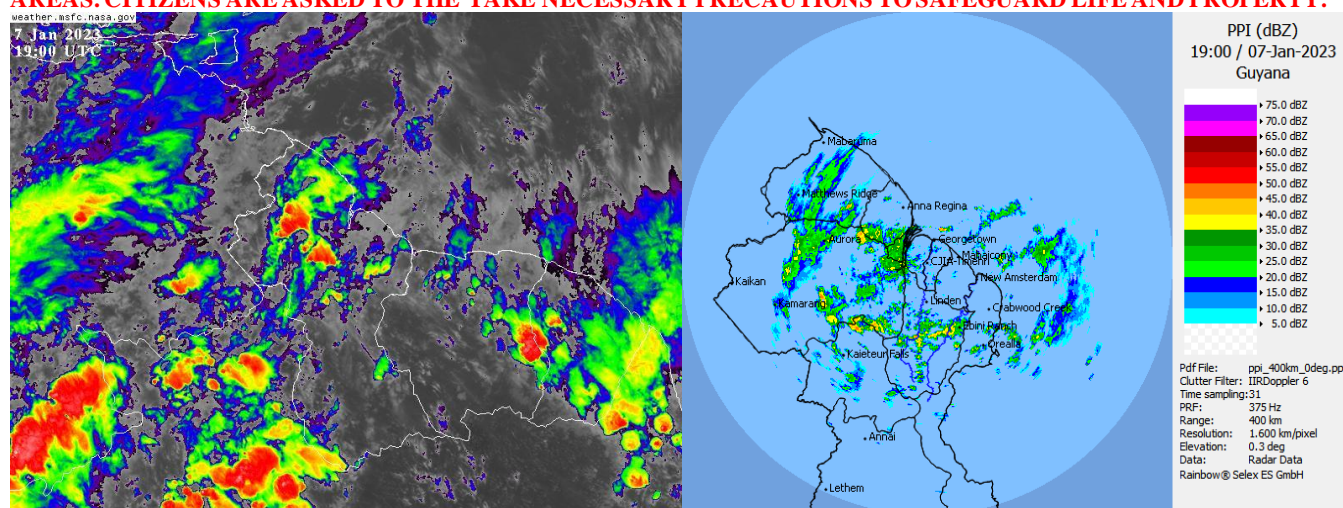
Today's weather review: Mostly cloudy skies were seen throughout Guyana today. Frequent rain and showers accompanied these conditions. Isolated thundershowers were also seen over parts of regions 1 to 4 and 7 to 10.

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

Saturday January 7, 2023 (19:00 hrs. – 07:00 hrs.)			Sunday January 08, 2023 (07:00 hrs. – 19:00 hrs.)		
Regions	Weather Conditions	Mostly cloudy skies becoming occasionally overcast are expected throughout Guyana tonight. Regions 2 and 5 and northern regions 6 can expect intermittent to frequent rain and scattered showers mainly during the early morning hours. All other locations may experience frequent rain, scattered showers and possible isolated thundershowers for most of the night.	Regions	Weather Conditions	Mostly cloudy skies with spells of overcast conditions may persist along the coast. Intermittent rain and light to moderate showers may be seen during the morning hours, giving way to mostly intermittent rain during the afternoon hours. All other locations may see mostly cloudy skies with scattered showers during the morning. Skies are forecast to become cloudy to overcast by the afternoon hours. Frequent rain and showers with possible isolated thundershowers may then be observed.
Regions 2 and 5 and northern regions 6	 Rainfall between: 10.0 mm to 30.0 mm.	<u>Winds:</u> Varying directions between 2 m/s and 6 m/s, gusting to in excess of 10 m/s over areas with downpours. <u>Minimum temperatures:</u> Coast: 22 °C – 24 °C Hinterland: 19 °C – 22 °C	Coastal Areas	 Rainfall between: 10.0 mm and 35.0 mm	<u>Winds:</u> Northeasterly to southeasterly between 4 and 8 m/s, gusting to in excess of 15 m/s before and during downpours. <u>Maximum temperatures:</u> Coast: 28 °C – 31 °C Hinterland: 27 °C – 31 °C
All other areas	 Rainfall between: 20.0 mm to 60.0 mm.		All other areas.	 Rainfall between: 25.0 mm to 50.0 mm.	

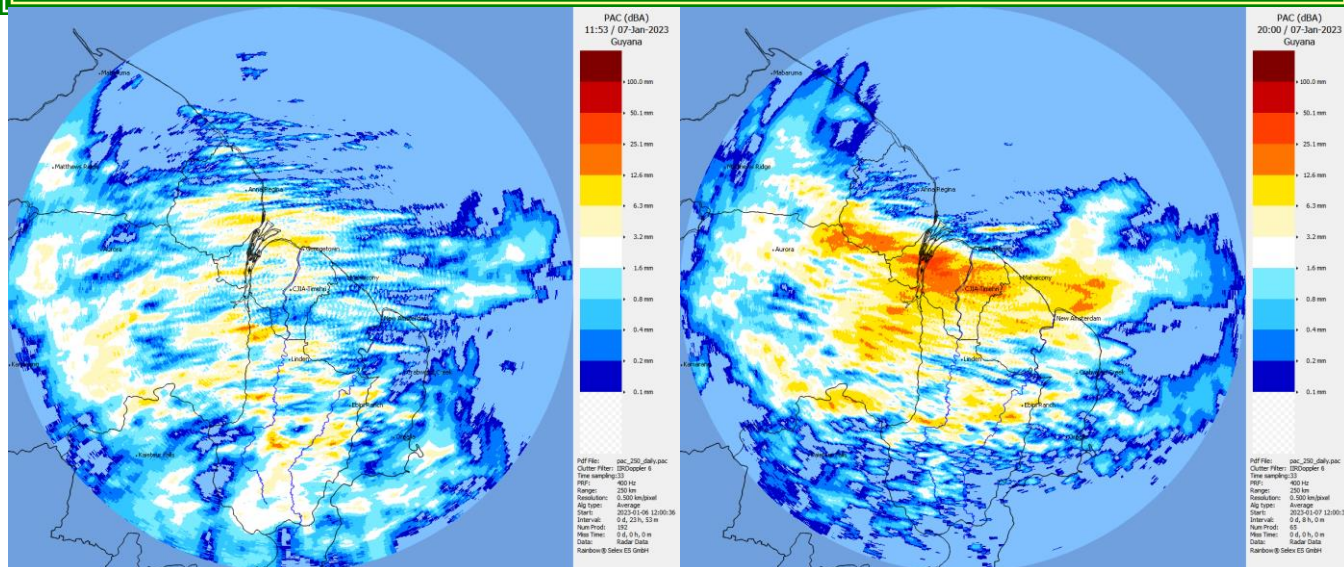
The long-term daily average rainfall for Georgetown, for the next 10 days January 08 to January 17, 2023 is 7.2mm per day.

Severe Weather Warnings: PERSISTENT RAINFALL OVER THE LAST WEEK MAY HAVE RESULTED IN THE SOIL BECOMING SATURATED. ADDITIONAL RAINFALL IS HIGHLY LIKELY TO RESULT IN OR EXACERBATE FLOODING IN FLOOD PRONE AREAS. CITIZENS ARE ASKED TO TAKE NECESSARY PRECAUTIONS TO SAFEGUARD LIFE AND PROPERTY.



Infrared Satellite and Radar images valid 19:00 UTC (15:00hrs) Saturday 07, 2023.

**HYDROMETEOROLOGICAL SERVICE
MINISTRY OF AGRICULTURE**



Radargenerated precipitation estimates. Twenty-four and nine hours rainfall valid 8 hrs and 16 hrs, 07 January 2023.
Table # 2 Occurrences of high and low tides for the next 24 hours and t9e times for sunrise and sun set.

Tonight (January 07, 2023)	Tomorrow Morning (January 08, 2023)	Tomorrow Afternoon (January 08, 2023)
Low tide 22:59hrs Tide Height 0.73m	High Tide 05:21hrs Tide Height 2.65m Low Tide 10:54hrs Tide Height 0.82m	High Tide 16:44hrs Tide Height 2.86m ABOVE NORMAL
Sunrise:	06:05hrs	Sunset: 17:52hrs

HIGH TIDE ADVISORY: Citizens are advised that the above normal high tide advisory is in effect. Above normal high tides coupled with high surface winds, may result in overtopping of the river and sea defence systems. Citizens are asked to take necessary precautions to safeguard life and property.

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

- THESE WAVES ARE LIKELY TO HAVE PERIODS OF BETWEEN 8 S AND 10 S.
- WINDS ARE EXPECTED TO BE EASTERLY BETWEEN 6 M/S AND 10 M/S.

Extended Forecast

Monday thru' Friday: With current atmospheric dynamics forecast to remain mostly unchanged during the coming week, cloudy to overcast skies are expected to continue throughout all regions during this period. These conditions may be accompanied by intermittent to frequent rain and light to moderate showers. Isolated heavy showers and thundershowers are a lso possible. Rainfall is forecast to range between 20 mm and 80 mm.

For the Current Regional climate forecast please see the latest Seasonal Climate Outlook which is a vailable on Hydrometeorological Service's website <https://hydromet.gov.gy>

Update in the bulletin is provided daily by the Hydromet Service

Specialist Meteorologist: L. Alves