

HYDROMETEOROLOGICAL SERVICE
MINISTRY OF AGRICULTURE

WEATHER BRIEF for Wednesday March 01, 2023 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00hrs Wednesday March 01, 2023 were available for most of the stations. Mahdia in Region 8 recorded the highest rainfall of 49.9 mm.

Severe Weather Warnings: Persistent rainfall over the past week may have saturated the soil and the weather forecast indicating more rainfall which may lead to or exacerbate flooding in low-lying and flood-prone areas. Hilly areas may experience landslides, and areas with heavy downpours may also experience strong/gusty winds. Residents are asked to take the necessary precautions to safeguard life and property against flooding, landslides and gusty winds. Road users are asked to exercise additional caution as visibility is likely to be reduced during showers and roads may become slippery.





Marine Advisory: Waves with high periods (energy) are expected to affect the coastal areas. The sea defence in vulnerable areas may be damaged due to this increase in wave energy. Precautions should be taken to safeguard property and other resources in vulnerable areas along the coast.

High Tide Advisory: The above normal high tide advisory is not in effect.

Synopsis: Deep atmospheric moisture with confluence from surface to 1000 hPa and 850 to 500 hPa troughs produced weak to moderate instabilities over the forecast area, as strong upper-level wind shear continued to inhibit deep convective activity.

Today's weather review: Southern region 6 and 9 observed partly cloudy skies with scattered showers, remaining regions observed cloudy to overcast skies with intermittent to frequent rain and light to heavy showers.

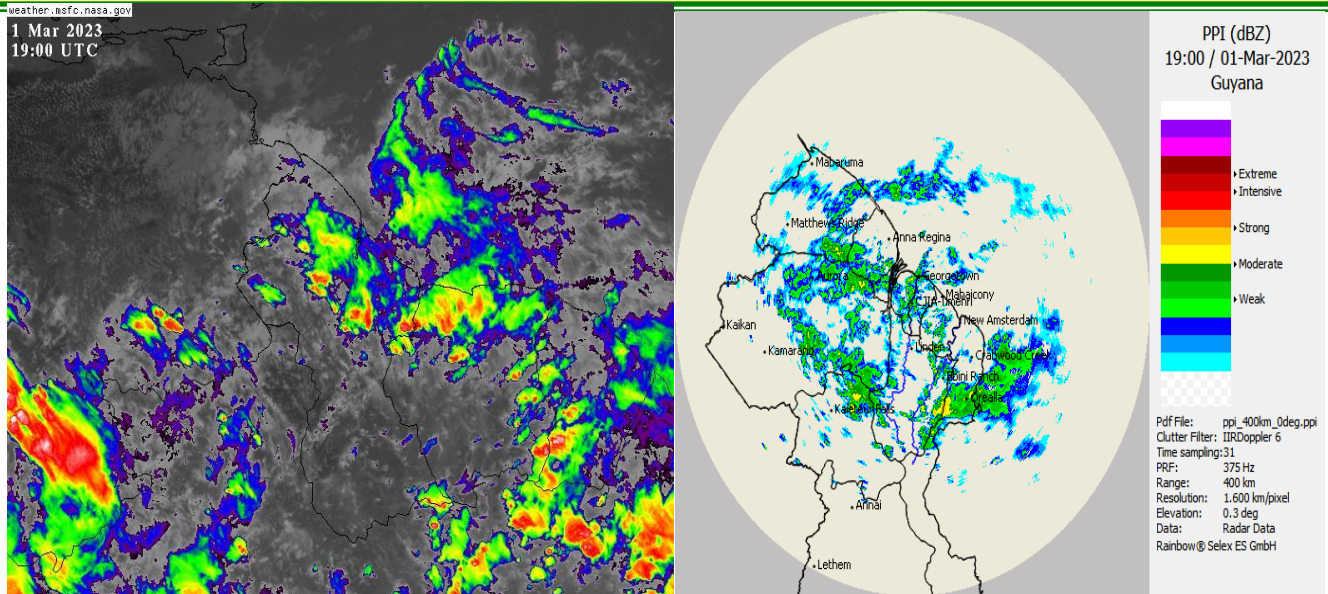
Table # 1 Weather forecast for the next Twenty-four hours

Wednesday March 01, 2023 (19:00 hrs. – 07:00 hrs.)			Thursday March 02, 2023 (07:00 hrs. – 19:00 hrs.)		
Regions	Weather Conditions		Regions	Weather Conditions	
Inland regions 6 to 10.	 Rainfall between: 40.0 mm and 80.0 mm.	Cloudy to overcast skies are likely across Guyana. Inland regions 6 to 10 can expect showers of various intensities and frequent to continuous rain. Remaining regions can expect frequent showers and intermittent rain. Highest amounts likely over region 7, southern regions 6 and 9. <u>Winds:</u> north-easterly to easterly between 2 m/s and 5 m/s, occasionally gusting. <u>Minimum temperatures:</u> Coast: 21 °C – 25°C Hinterland: 19 °C – 23 °C	Southern regions 6 and 9.	 Rainfall between: 30.0 mm and 60.0 mm.	Overcast skies with light to heavy showers and continuous rain are likely over southern regions 6 and 9. Remaining regions can expect cloudy to overcast skies with frequent showers and intermittent to frequent rain. <u>Winds:</u> north-easterly to easterly between 3 m/s and 6 m/s, occasionally gusting.
	All other areas.	 Rainfall between: 20.0 mm and 40.0 mm.			Coastal areas.
			All other areas.	 Rainfall between: 25.0 mm and 50.0 mm.	

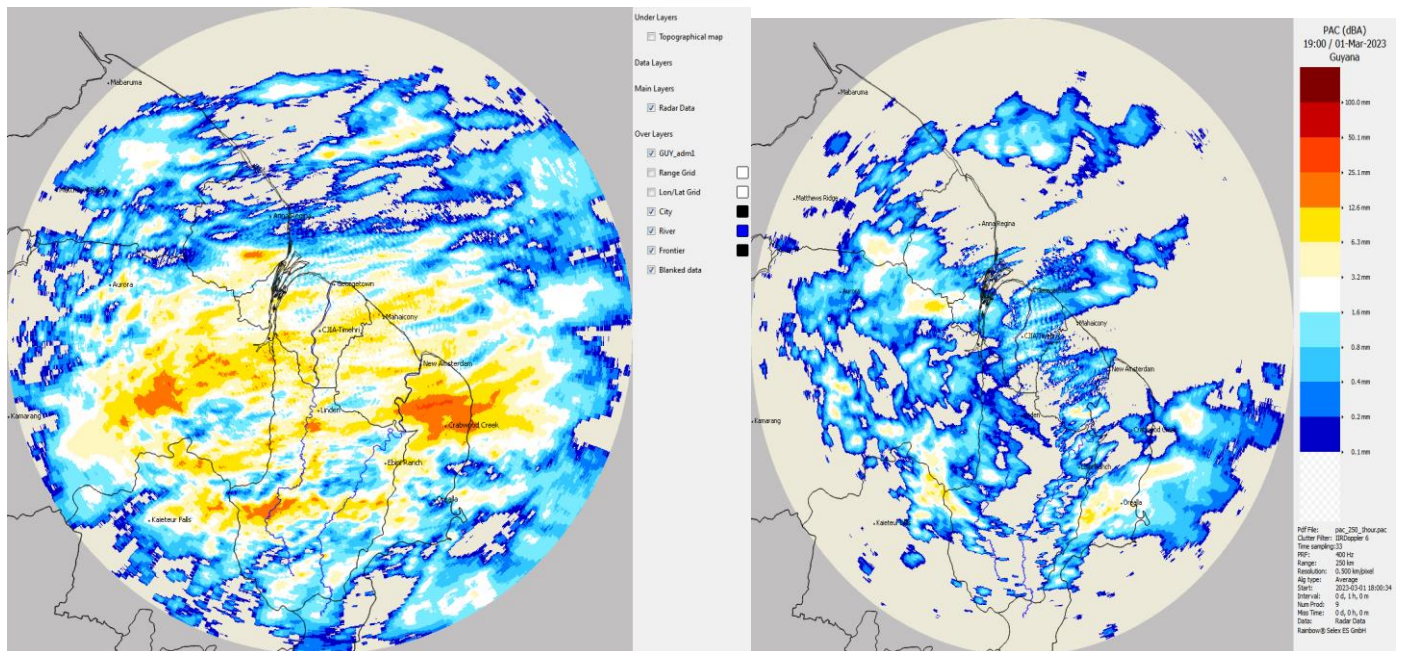
The long-term daily average rainfall for Georgetown, for the next 10 days March 02 to March 11, 2023 is 3.3 mm per day.

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Infrared Satellite and Radar images valid 19:00 UTC (15:00hrs) Wednesday 01 March, 2023.



Radar generated precipitation estimates. Twenty-four- and nine-hours rainfall valid 7 hrs and 16 hrs, 01March, 2023.

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

Tonight (March 01,2023)	Tomorrow Morning (March 02, 2023)	Tomorrow Afternoon (March 02, 2023)
High Tide 01:24hrs Tide Height 2.29m	Low Tide 06:49hrs Tide Height 1.27m High Tide 12:55hrs Tide Height 2.36m	Low Tide 19:54hrs Tide Height 1.00m
Sunrise:	06:03hrs	Sunset: 18:04hrs

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

-These waves are likely to have periods of between 13 seconds and 15 seconds.

-Winds are expected to be northeasterly to easterly between 5 m/s and 8 m/s.

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Extended Forecast

Friday: Cloudy to overcast skies with frequent showers and intermittent rain are likely across Guyana. **Rainfall is expected between 10.0 mm and 30.0 mm over coastal areas, elsewhere between 25.0 mm and 50.0 mm within 24 hours.**

Saturday thru' Tuesday: Partly cloudy to cloudy skies with scattered showers are likely over coastal areas during the morning, conditions expected to improve afterward. Remaining areas can expect partly cloudy skies becoming cloudy during the afternoon with occasional showers and isolated thundershowers. **Rainfall is expected between 0.0 mm and 10.0 mm over coastal areas, elsewhere between 10.0 mm and 25.0 mm within 24 hours.**

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

Update in the bulletin is provided daily by the Hydromet Service.

Meteorologist: Doodnauth Ramlakhan