

HYDROMETEOROLOGICAL SERVICE
MINISTRY OF AGRICULTURE

WEATHER BRIEF for Tuesday November 22, 2022 from the Hydrometeorological Service, Guyana





Severe Weather Warnings: ABOVE NORMAL HIGH TIDES COUPLED WITH ROUGH SEAS AND FORECAST CONDITIONS EXPECTING EXCESSIVE RAINFALL, FLOODING IS VERY LIKELY OVER LOW LYING AND FLOOD PRONE AREAS. IN AREAS OF THUNDERSHOWERS, HEAVY WINDS AND POSSIBLE LIGHTNING STRIKES CAN BE EXPECTED. PERSONS ARE ASKED TO EXERCISE ALL PRECAUTIONARY MEASURES TO SAFEGUARD LIFE AND PROPERTY.

Rainfall records for the past 24 hours, measured at 08:00 hrs Tuesday November 22, 2022 were available for most of the stations.

Richmond Hill in Region 3 recorded the highest rainfall of 41.3 mm.

Synopsis: The atmosphere over most of regions 1 to 5 was highly unstable throughout the day. These conditions were created by a large area of high atmospheric moisture emanating from the ITCZ. This when coupled with a trough seen between the 1000 and 700 mb levels were the most notable synoptic feature of interest. These instabilities moved into Inland areas as the day progressed and affected areas over regions 7 and 10. Atmospheric conditions are expected to remain unstable especially over Northern Guyana as high amounts of low-level moisture expected to continue to enter these areas within the next 12 hours and continuing as the week progresses. Southern Guyana continued to experience stable conditions and no significant change is expected for the next 12 to 48 hours.

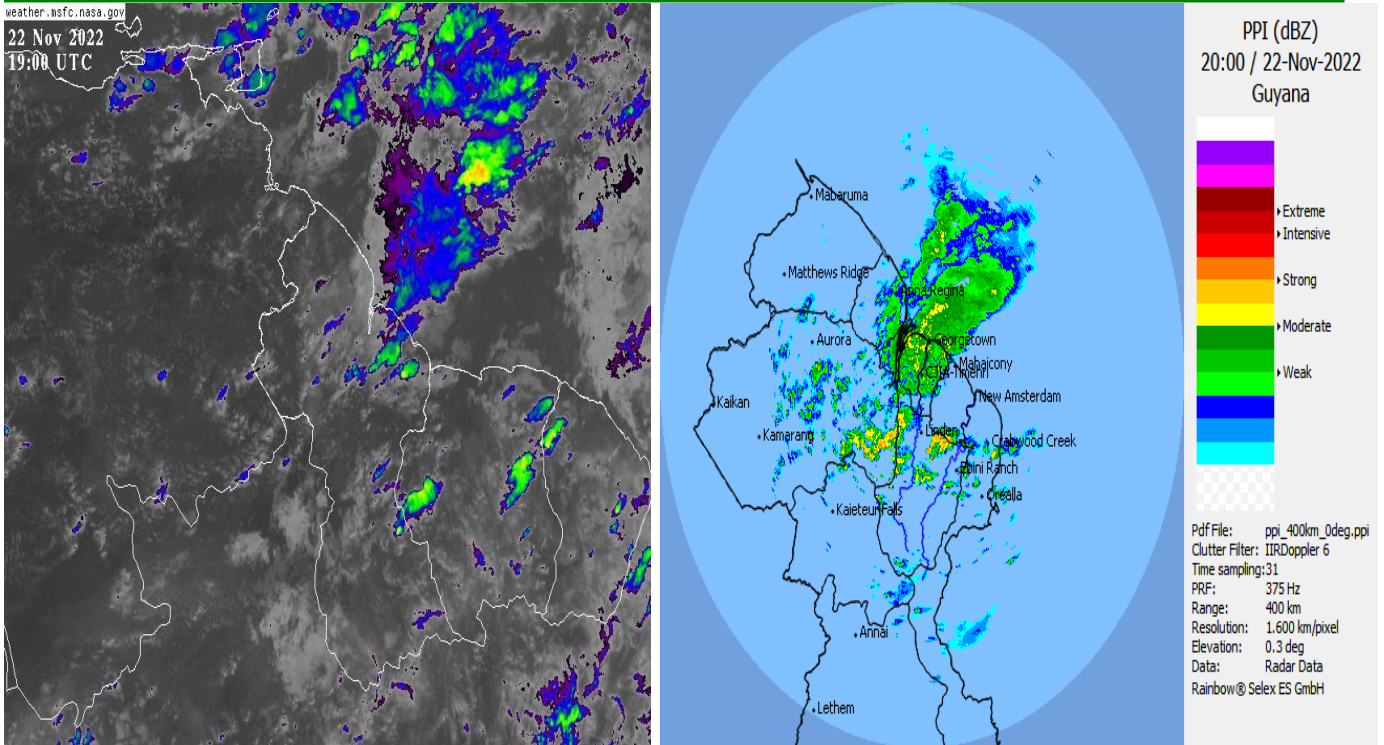
Today's weather review: Mostly cloudy to overcast skies with scattered showers, continuous rain and isolated thundershowers were observed over regions 1 to 5, 7 and 10 throughout the day. All other areas experienced partly cloudy to cloudy skies with isolated showers over region 6.

Tuesday November 22, 2022 (19:00 hrs. – 07:00 hrs.)			Wednesday November 23, 2022 (07:00 hrs. – 19:00 hrs.)		
Regions	Weather Conditions		Regions	Weather Conditions	
Northern Guyana	 Rainfall between: 30.0 mm to 60.0 mm	Mostly cloudy to overcast skies are expected to continue over Northern Guyana. These conditions are likely to be accompanied by scattered showers of varying intensities and continuous rain. Isolated thundershowers are also likely over areas along regions 1, 2 and 7. Southern Guyana will continue to experience partly cloudy to fair skies with no significant rainfall expected.	Regions 1 to 7 and 10.	 Rainfall between: 30.0 mm and 60.0 mm.	Cloudy to overcast skies with frequent showers and continuous rain can be expected over regions 1 to 7 and 10. Isolated thundershowers can also be expected over Inland areas of regions 1 to 4 and 7. Southern Guyana will continue to experience partly cloudy to sunny skies with no significant rainfall expected.
Southern Guyana	 Rainfall is not expected to be significant	<u>Winds:</u> Light to breezy at times with North-easterly winds at between 3 to 4 m/s. Gusting during thundershowers. <u>Minimum temperatures:</u> Coast: 21 °C – 23°C Hinterland: 20 °C – 22 °C	Southern Guyana	 Rainfall is not expected to be significant	<u>Winds:</u> Light conditions North-easterly to Easterly at between 3 to 4 m/s over Coastal Guyana. Gusting during thundershowers. <u>Maximum temperatures:</u> Coast: 27 °C – 30°C Hinterland: 30 °C – 33 °C

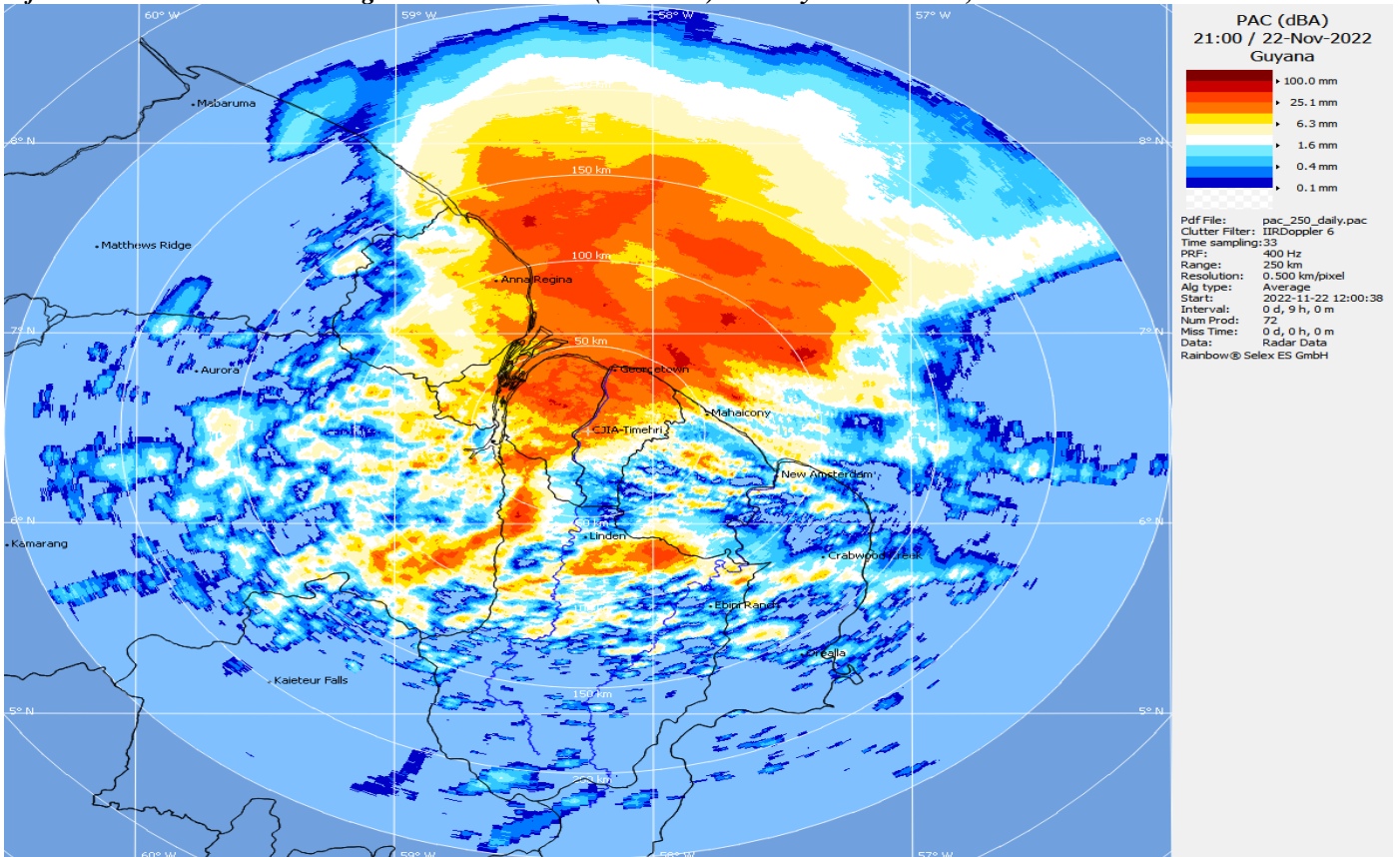
The long-term daily average rainfall for Georgetown, for the next 10 days November 22 to December 01, 2022 is 7.9 mm per day.

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Infrared Satellite and Radar images valid 19:00 UTC (15:00 hrs) Tuesday November 22, 2022.



Rainfall accumulation image taken at 2000 UTC for the past 9 hours.

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

Tonight (November 22, 2022)	Tomorrow Morning (November 23, 2022)		Tomorrow Afternoon (November 23, 2022)
Low Tide 21:05 hrs Tide Height 0.47 m	High Tide 03:16 hrs Tide Height 2.85 m (above normal)		High Tide 15:31 hrs Tide Height 3.07 m (above normal)
	Low Tide 09:15 hrs Tide Height 0.76 m		
Sunrise:	05:44 hrs	Sunset:	17:30 hrs

HIGH TIDE ADVISORY: CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE ADVISORY IS IN EFFECT AND WILL CONTINUE UNTIL MONDAY NOVEMBER 28, 2022. RESIDENTS OF LOW LYING, RIVERINE, AND FLOOD PRONE AREAS ARE ADVISED TO TAKE THE NECESSARY PRECAUTIONS AGAINST FLOODING AS OVER-TOPPING IS LIKELY.

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Sea conditions: MODERATE TO ROUGH SEAS WITH NORTH TO NORTH-EASTERLY SWELLS REACHING HEIGHTS OF 2.5 TO 3.0 METERS IN OPEN WATERS. THESE WAVES ARE LIKELY TO HAVE PERIODS OF BETWEEN 9 S AND 11 S. WINDS ARE EXPECTED TO BE EASTERLY BETWEEN 7 M/S TO 10 M/S.

Extended Forecast

Thursday thru Monday: Mostly cloudy to overcast skies with frequent showers of varying intensities and continuous rain are likely to be experience over regions 1 to 7 and 10. Isolated thundershowers are also likely to be experience over regions 1 to 4, 7 and 10. Rainfall is expected between 50.0 mm to 110.0 mm within a 24 hours period with the highest expected over areas with thundershowers.

All other areas can expect brief cloudy spells with scattered showers from the afternoon hours. Rainfall is expected between 5.0 mm to 20.0 mm within a 24 hours period.

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: S. Nanlall

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