

HYDROMETEOROLOGICAL SERVICE
MINISTRY OF AGRICULTURE

WEATHER BRIEF for Tuesday January 04, 2022 from the Hydrometeorological Service, Guyana





Rainfall records for the past 24 hours, measured at 08:00 hrs Tuesday, January 04, 2022, were available for most of the stations.

The highest rainfall recorded was 18.0 mm at No.4 Backdam in Region 5.

Synopsis: Stable conditions continued to over most of the forecast area. Relatively dry atmosphere from the 700 mb level coupled with Saharan Air Layer and very strong mid to upper level subsidence are the major factors in producing these conditions. Forecast Models are still indicating with significant confidence that these conditions are likely to persist for the next 12 to 36 hours. Thursday and Friday, cloud cover over most of Guyana is expected to increase as both GFS and ECMWF are indicating moderate amounts of low level moisture but convection is expected to be shallow as shearing of the atmosphere is expected to continue with mid to upper level subsidence. Dry and sunny conditions are expected from Sunday.

Today's weather review: Generally fair weather conditions was observed over Regions 1 to 6, 9 and 10 while Regions 7 and 8 observed mostly stratified clouds with light passing showers.

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

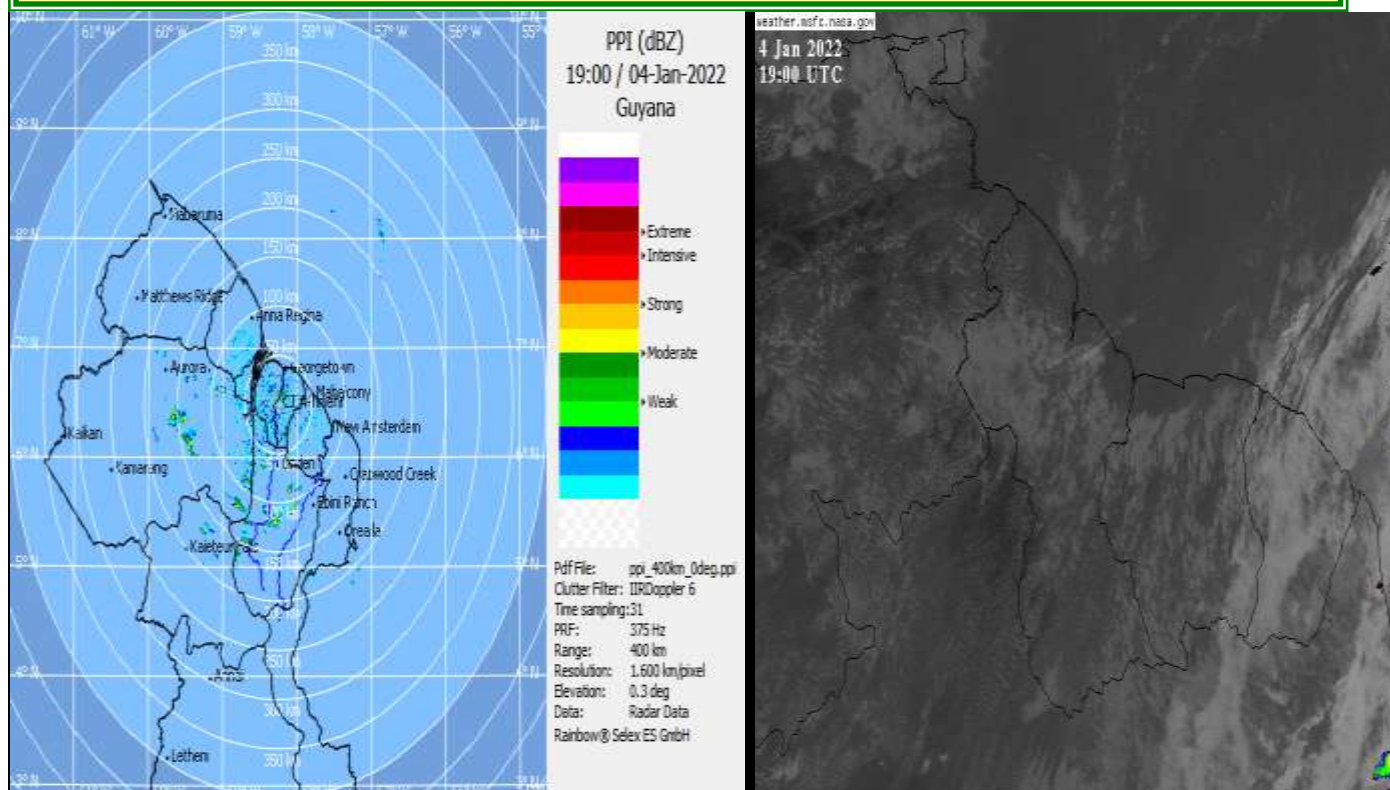
Tuesday January 04, 2022 (19:00 hrs. – 07:00 hrs.)			Wednesday January 05, 2022 (07:00 hrs. – 19:00 hrs.)		
Regions	Weather Conditions		Regions	Weather Conditions	
Regions 1 to 6, 9 and 10	 Rainfall between: 0.0 mm to 5.0 mm.	Mostly fair and clear conditions are likely to persist over Coastal Guyana and over Regions 9 and 10. Coastal Guyana can expect a slight increase in cloudiness in the morning hours with few passing showers. Regions 7 and 8 will likely experience partly cloudy to cloudy skies with brief showers from the evening hours with conditions expected to improve from the early morning hours. <u>Winds:</u> North-Easterly between 5 m/s to 6 m/s over Coastal Guyana <u>Minimum temperatures:</u> Coast: 22 °C – 24 °C Hinterland: 19 °C – 22 °C	Regions 1 to 6, 9 and 10	 Rainfall between: 0.0 mm and 10.0 mm with the highest expected over Regions 2 to 5.	Regions 1 to 6, 9 and 10 will likely experience partly cloudy to cloudy skies during the morning hours with conditions expected to improve from the mid-morning hours as mostly fair and sunny skies are likely to persist. Regions 7 and 8 will likely experience partly cloudy to cloudy skies with brief showers mostly in the afternoon hours. <u>Winds:</u> North-Easterly between 5 m/s and 7 m/s. Light and Variable over Inland areas. <u>Maximum temperatures:</u> Coast: 28 °C – 30 °C Hinterland: 30 °C – 33 °C
Region 7 and 8	 Rainfall between: 0.0 mm to 10.0 mm		Regions 7 and 8.	 Rainfall between: 5.0 mm and 15.0 mm	

The long-term daily average rainfall for Georgetown, for the next 10 days, January 04, 2022 to January 14, 2022 is 8.3 mm per day.

Severe Weather Warnings: NONE

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RADAR and Infra-Red Satellite images valid 19:00 UTC (15:00 hrs) Tuesday January 04, 2022

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

Tonight (January 04, 2022)	Tomorrow Morning (January 05, 2022)	Tomorrow Afternoon (January 05, 2022)
Low Tide 23:42 hrs Tide Height 0.27 m	High Tide 06:00 hrs Tide Height 2.89 m (above normal) Low Tide 11:52 hrs Tide Height 0.73 m	High Tide 18:12 hrs Tide Height 3.08 m (above normal)
Sunrise:	06:04 hrs.	Sunset: 17:49 hrs.

HIGH TIDE ADVISORY: CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE ADVISORY IS IN EFFECT AND WILL CONTINUE UNTIL FRIDAY JANUARY 07, 2022. RESIDENTS OF LOW LYING, RIVERINE, AND FLOOD PRONE AREAS ARE ADVISED TO TAKE THE NECESSARY PRECAUTIONS AGAINST FLOODING AS OVERTOPPING IS LIKELY.

Sea conditions: MODERATE SEAS WITH NORTH TO NORTH-EASTERLY WAVES REACHING HEIGHTS OF 2.0 TO 2.5 METERS IN OPEN WATERS. THESE WAVES ARE LIKELY TO HAVE PERIODS OF BETWEEN 12 S AND 13 S. WINDS ARE EXPECTED TO BE NORTH-EASTERLY TO EASTERLY TO BETWEEN 5 M/S TO 7 M/S.

Extended Forecast

Thursday and Friday, partly cloudy to cloudy skies are likely to be experience over the Regions 1 to 7 and 10. These conditions are likely to be accompanied by light scattered showers. **Rainfall is expected to range between 5.0 mm to 20.0 mm within a 24 hours' period.** Regions 8 and 9 will likely experience cloudy spells from the early afternoon with showers varying from light to moderate. **Rainfall is expected to range between 0.0 mm to 10.0 mm within a 24 hours' period**

Saturday thru Monday, Coastal Regions 1 to 6, Regions 9 and 10 will likely experience cloudy spells mostly in early morning hours with brief light showers with conditions improving from the mid-morning into the afternoon hours as mostly fair weather conditions can be expected. **Rainfall is expected to range between 0.0 mm to 10.0 mm within a 24 hours' period.** Inland areas of Regions 1 to 6, Regions 7 and 8 will likely experience cloudy skies from the afternoon hours with light to moderate showers and slight rain. **Rainfall is expected to range 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>

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Update in the bulletin is provided daily by the Hydromet Service
Meteorologist: S. Nanlall

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