

HYDROMETEOROLOGICAL SERVICE
MINISTRY OF AGRICULTURE





WEATHER BRIEF for Wednesday, March 08, 2023, from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00 hrs Wednesday, March 08, 2023, were available for most of the stations.

Kamarang in Region 7 recorded the highest rainfall of 15.6 mm.

Synopsis: Mild to moderate instabilities were analysed throughout most of the forecast area. Frictional convergence at the surface to 1000 mb coupled with troughs at the 850 mb were features responsible for these instabilities. Moisture profile of the atmosphere below the 500 mb continues to remain throughout the night which is further adding to these low level features. The strong vertical shear associated with the Sub Tropical Jet at the upper levels and drying out of the atmosphere above the 500 mb ensured that clouds with significant vertical extend could not developed or was short-lived. Latest GFS and other models projections are indicating that low level moisture is expected to increase significantly from Tomorrow and Friday, especially at the 850 mb and the passage of troughs also at that level would likely increase rainfall over Guyana. From Saturday and onwards stable conditions are expected to prevail.

Today's weather review: Mostly cloudy to overcast skies with scattered showers and intermittent rain were observed over Inland areas and Southern Guyana. All other areas observed partly cloudy to cloudy skies with few passing showers.

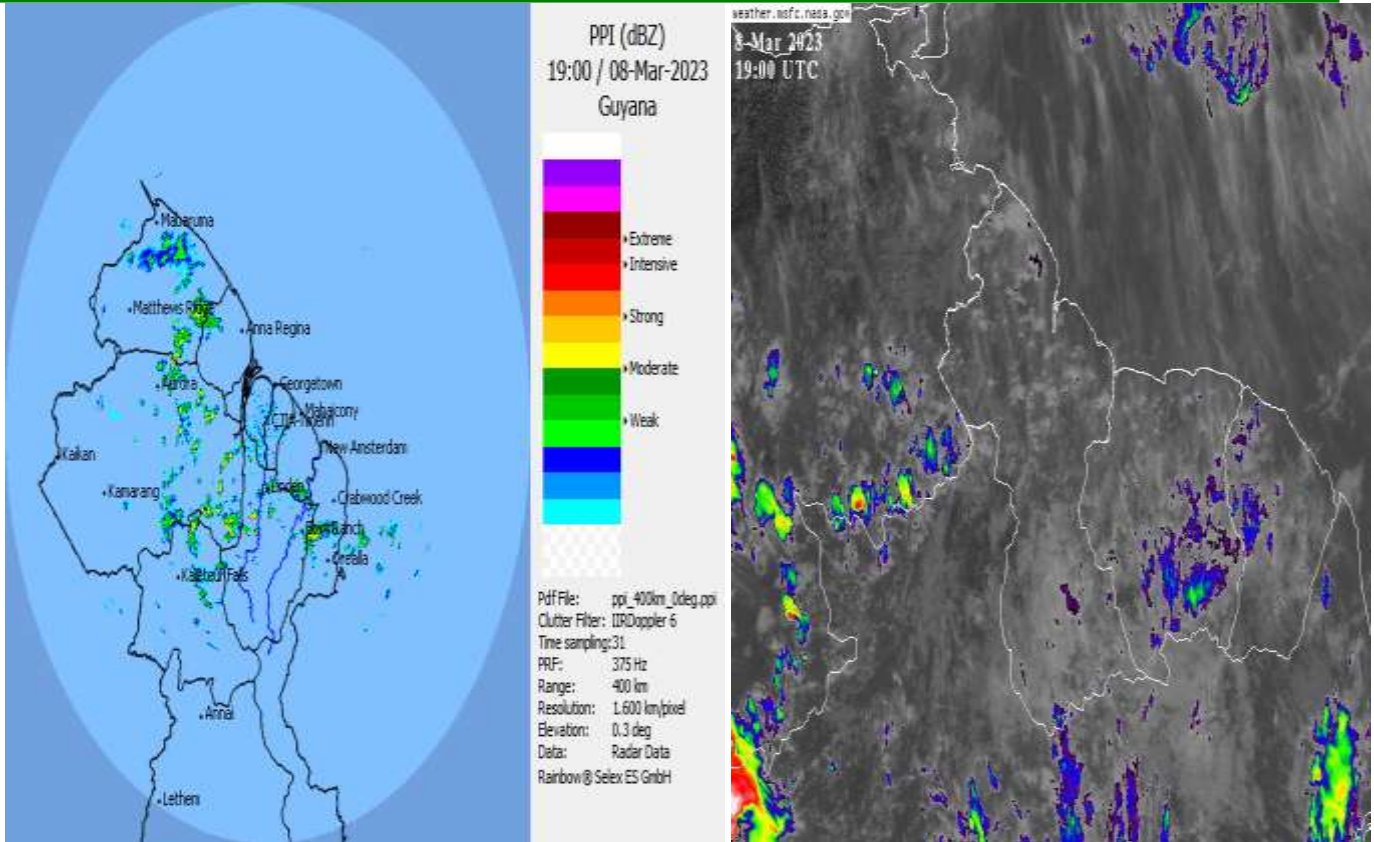
Wednesday, March 08, 2023 (19:00 hrs. – 07:00 hrs.)			Thursday, March 09, 2023 (07:00 hrs. – 19:00 hrs.)		
Regions	Weather Conditions		Regions	Weather Conditions	
Coastal Guyana and Region 10	 Rainfall is expected at 5.0 mm and 20.0 mm.	Partly cloudy to cloudy skies with brief passing showers are likely to be experience over Coastal Guyana and Region 10 during the evening hours. Conditions are expected to deteriorate from the morning hours as cloudy to overcast skies which will likely be accompanied by scattered showers varying mostly from light to moderate and intermittent rain will likely persist. Southern Region 6, Regions 7, 8 and 9 can expect mostly cloudy to overcast skies with scattered showers of varying intensities and continuous rain.	Coastal Guyana	 Rainfall is expected at 10.0 mm and 35.0 mm.	Cloudy skies becoming occasionally overcast at times with scattered showers and intermittent rain can be expected over Coastal Guyana throughout the day. Inland areas and Southern Guyana can expect cloudy to overcast skies with scattered showers and continuous rain from the early afternoon hours.
Southern Region 6, Regions 7 to 9.	 Rainfall between: 15.0 mm and 35.0 mm	<u>Winds:</u> Light to breezy over Coastal Guyana. Light and variable over Inland areas. Gusty during heavy downpours. <u>Minimum temperatures:</u> Coast: 23 °C – 25 °C Hinterland: 19 °C – 23 °C	Inland areas, Southern Region 6, Regions 7 to 10.	 Rainfall between: 20.0 mm and 40.0 mm.	<u>Winds:</u> Light to breezy over Coastal Guyana. Gusty during heavy downpours. <u>Maximum temperatures:</u> Coast: 27 °C – 39 °C Hinterland: 29 °C – 31 °C

Georgetown's long-term daily average rainfall, for the next 10 days from March 08 to March 17, 2023, is 3.1 mm per day.

Severe Weather Warnings: Soils may already be saturated due rainfall over the past week and forecast conditions indicating a high chance of more rainfall, which may lead to or will 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. Road users are asked to exercise caution as visibility is reduced during showers and roads become slippery.

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Infrared Satellite and Radar images valid 19:00 UTC (15:00 hrs) Wednesday, March 08, 2023.

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

Tonight (March 08, 2023)	Tomorrow Morning (March 09, 2023)		Tomorrow Afternoon (March 09, 2023)
Low Tide 22:56 hrs Tide Height 0.64 m	High Tide 05:14 hrs Tide Height 2.95 m (above normal)		High Tide 17:20 hrs Tide Height 3.03 m (above normal)
Sunrise:	06:00 hrs	Sunset:	18:04 hrs

HIGH TIDE ADVISORY: CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE ADVISORY IS IN EFFECT.

Sea conditions: SLIGHT TO MODERATE SEAS WITH NORTH TO NORTH-EASTERLY WAVES REACHING HEIGHTS OF 1.0 TO 1.5 METERS IN OPEN WATERS. THESE WAVES ARE LIKELY TO HAVE PERIODS OF BETWEEN 11 S AND 13 S. WINDS ARE EXPECTED TO BE NORTH-EASTERLY TO EASTERLY BETWEEN 5 M/S TO 7 M/S.

Marine Warnings: WAVES WITH HIGH PERIODS (ENERGY) COUPLED WITH ABOVE NORMAL HIGH TIDES ARE EXPECTED TO AFFECT THE COASTAL AREAS. THE SEA DEFENCE IN VULNERABLE AREAS MAY BE DAMAGED DUE TO THIS INCREASE IN WAVE ENERGY. RESIDENTS OF LOW LYING, RIVERINE, AND FLOOD PRONE AREAS ARE ADVISED TO TAKE THE NECESSARY PRECAUTIONS AGAINST FLOODING AS OVER-TOPPING IS LIKELY. PRECAUTIONS SHOULD ALSO BE TAKEN TO SAFEGUARD PROPERTY AND OTHER RESOURCES IN VULNERABLE AREAS ALONG THE COAST.

Extended Forecast

Friday: Cloudy to overcast skies with scattered showers varying from light to moderate and intermittent rain can be expected over Coastal Guyana during the early morning hours with conditions likely to improve from the afternoon hours. Inland and Southern Guyana will likely experience cloudy skies with frequent showers and rain, beginning from the afternoon hours and continuing into the evening hours. **Rainfall is expected between 20.0 mm and 50.0 mm over Coastal Guyana and between 30.0 mm and 60.0 mm over Inland and Hinterland areas.**

Saturday thru Tuesday: Brief periods of cloudiness isolated showers are likely to be experience over regions 1 to 7 and 10. Coastal Guyana will likely experience these conditions during the morning hours while Regions 7 and 10 likely to expect conditions from the afternoon period. Coastal Guyana will see improvement in conditions from the afternoon period as partly cloudy to fair and sunny skies will likely persist. **Rainfall is expected between 0.0 mm and 10.0 mm within 24 hours.** Southern Guyana can expect partly cloudy to cloudy with brief scattered showers from the afternoon hours. **Rainfall is expected between 5.0 mm and 20.0 within 24 hours**

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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>

An update in the bulletin is provided daily by the Hydromet Service

Meteorologist: S. Nanlall

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