

HYDROMETEOROLOGICAL SERVICE
MINISTRY OF AGRICULTURE





WEATHER BRIEF for Thursday, March 02, 2023, from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00 hrs Thursday, March 02, 2023, were available for most of the stations.

Timehri in Region 4 recorded the highest rainfall of 71.3 mm.

Synopsis: Relative humidity values throughout the atmosphere continues to remain high. This when combined with low level troughs seen between the 850 and 700 mb, created mild to moderate convection. The strongest convection was observed over Southern Region 6 and parts of region 10. Vertical shear confined to mid and upper levels limited the development of clouds with significant vertical extend, therefore mostly stratified clouds were observed. Atmospheric conditions are not expected to change for the next 12 to 24 hours. Latest Meteorological outputs from various NWP models are indicating that from Saturday and onwards that stable conditions are likely to return to Regions 1 to 5, 7 and 10 as the dry conditions from the low to mid-levels and strong vertical shear are expected. Southern Guyana will continue to observe mild to moderate instabilities at times.

Today's weather review: Mostly cloudy to overcast skies with scattered showers and intermittent rain were observed over Southern Region 6, Regions 8 and 10 throughout the day. All other areas observed partly cloudy to cloudy skies with few passing showers.

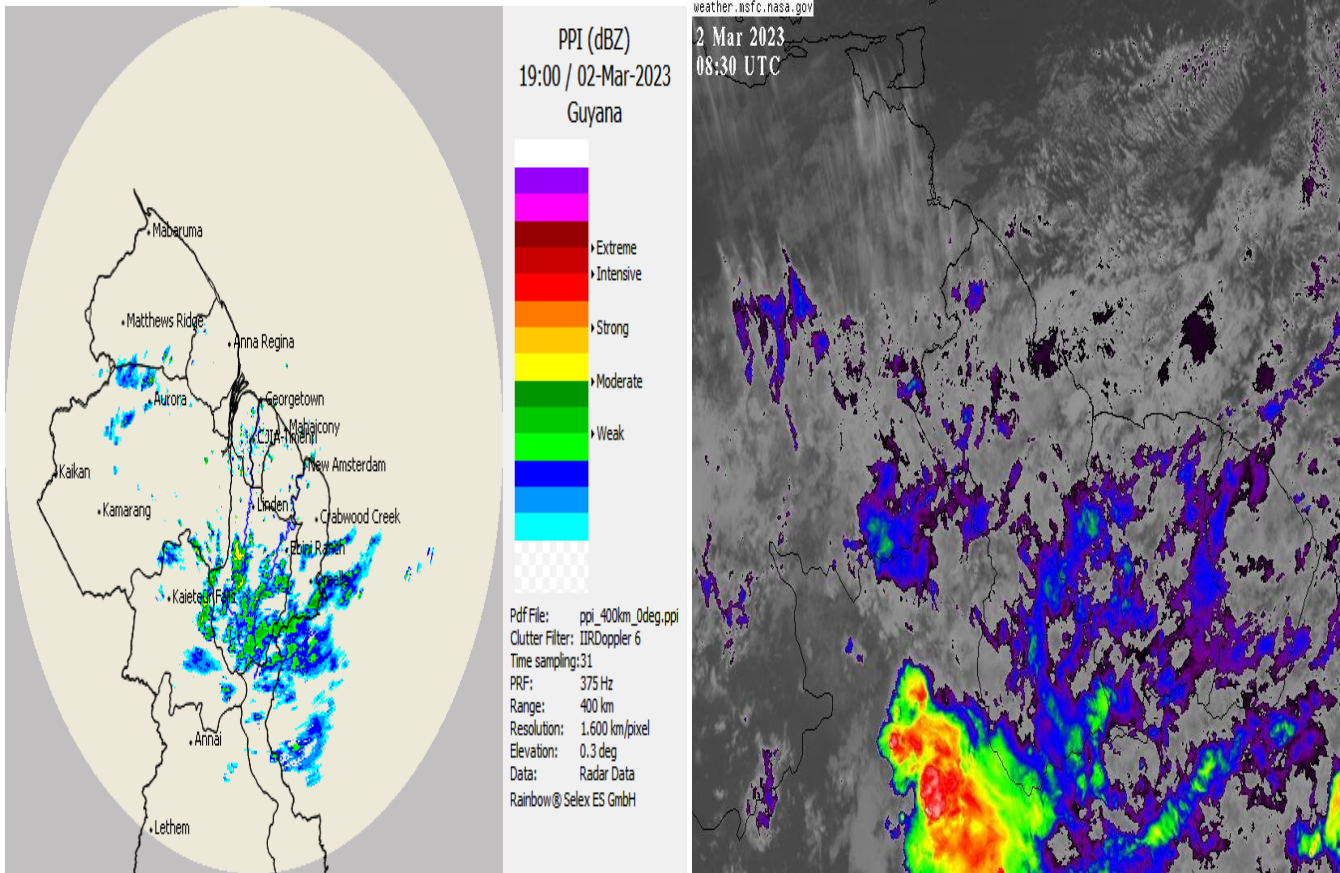
Thursday, March 02, 2023 (19:00 hrs. – 07:00 hrs.)			Friday, March 03, 2023 (07:00 hrs. – 19:00 hrs.)		
Regions	Weather Conditions		Regions	Weather Conditions	
Coastal Guyana and Region 10	 Rainfall is expected at 5.0 mm and 20.0 mm.	Partly cloudy to cloudy skies with passing showers are likely to be 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 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 25.0 mm.	Cloudy skies with scattered showers and intermittent rain can be expected over Coastal Guyana during the morning hours with conditions improving from the late afternoon hours as partly cloudy to cloudy skies will likely prevail. Inland areas and Southern Guyana can expect cloudy to overcast skies with scattered showers and continuous rain from the early afternoon hours with these conditions continuing into the evening hours.
Southern Region 6, Regions 7 to 9.	 Rainfall between: 20.0 mm and 40.0 mm with the highest expected over Southern Region 6 and Region 8.	<u>Winds:</u> 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: 15.0 mm and 40.0 mm.	<u>Winds:</u> Breezy over Coastal Guyana. Gusty during heavy downpours <u>Maximum temperatures:</u> Coast: 28 °C – 30 °C Hinterland: 30 °C – 32 °C

Georgetown's long-term daily average rainfall, for the next 10 days from March 02 to March 10, 2023, is 3.1 mm per day.

Severe Weather Warnings: Soils may already be saturated due persistent rainfall over the past week and forecast conditions indicating a high chance of 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) Thursday, March 02, 2023.

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

Tonight (March 02, 2023)	Tomorrow Morning (March 03, 2023)		Tomorrow Afternoon (March 03, 2023)
Low Tide 19:54 hrs Tide Height 1.00 m	High Tide 02:15 hrs Tide Height 2.44 m Low Tide 07:42 hrs Tide Height 1.10 m		High Tide 13:45 hrs Tide Height 2.51 m
Sunrise:	06:02 hrs	Sunset:	18:04 hrs

HIGH TIDE ADVISORY: CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE ADVISORY IS NOT IN EFFECT.

Sea conditions: ROUGH SEAS WITH NORTH TO NORTH-EASTERLY SWELLS REACHING HEIGHTS OF 3.0 TO 3.5 METERS IN OPEN WATERS. THESE WAVES ARE LIKELY TO HAVE PERIODS OF BETWEEN 15 S AND 16 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) 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.

Extended Forecast

Saturday, Sunday, Tuesday and Wednesday: Cloudy spells with isolated showers are likely to be experience over regions 1 to 7 and 10. Coastal Guyana will experience these conditions during the morning hours while Regions 7 and 10 likely to expect conditions from the afternoon period. Coastal Guyana can expect an 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 15.0 mm within 24 hours. Southern Guyana can expect cloudy skies becoming occasionally overcast at times with scattered showers and intermittent. Conditions are expected from the afternoon hours. **Rainfall is expected between 10.0 mm and 35.0 within 24 hours****

Monday: Cloudy 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 improving form 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 10.0 mm and 30.0 mm over Coastal Guyana and between 20.0 mm and 50.0 mm over Inland and Hinterland areas with the highest expected over Southern Region 6, Regions 7 and 8.**

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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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