

HYDROMETEOROLOGICAL SERVICE
MINISTRY OF AGRICULTURE





WEATHER BRIEF for Friday January 13, 2023 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00 hrs Friday January 13, 2023 were available for most of the stations.

Karawab in Region 2 recorded the highest rainfall of 50.5 mm.

Synopsis: During the morning hours, atmospheric conditions especially along regions 1 to 4 and 7 were moderately unstable. A trough seen between 1000 and 850 mb levels and high amount of low to mid-level moisture moved across the areas mentioned above and resulted in those patches of convection being experienced over these areas. All other areas experienced weak instabilities. Meteorological Models are indicating that atmospheric moisture is likely to reduce from tonight at the 700 mb level and continuing into the weekend while at the mid to upper levels, this reduction is expected from the weekend. This reduction is expected to occur over regions 1 to 5, 7 and 10 areas. This likely reduction is as a result of the Saharan Air Layer (SAL). Also ridging and a strong pressure gradient at the surface is also expected. This when combined with the reduction in moisture would likely result in stable conditions and strong winds over these areas. Southern Guyana will likely see more moisture being advected into those areas and mostly unstable conditions are expected into the weekend and the new week ahead.

Today's weather review: Generally cloudy skies were observed throughout the entire forecast area during the morning hours. Northern Guyana observed scattered showers varying mostly from light to moderate also from the morning hours while generally good weather conditions were seen from the afternoon period. Southern parts of Guyana experienced mostly light isolated showers.

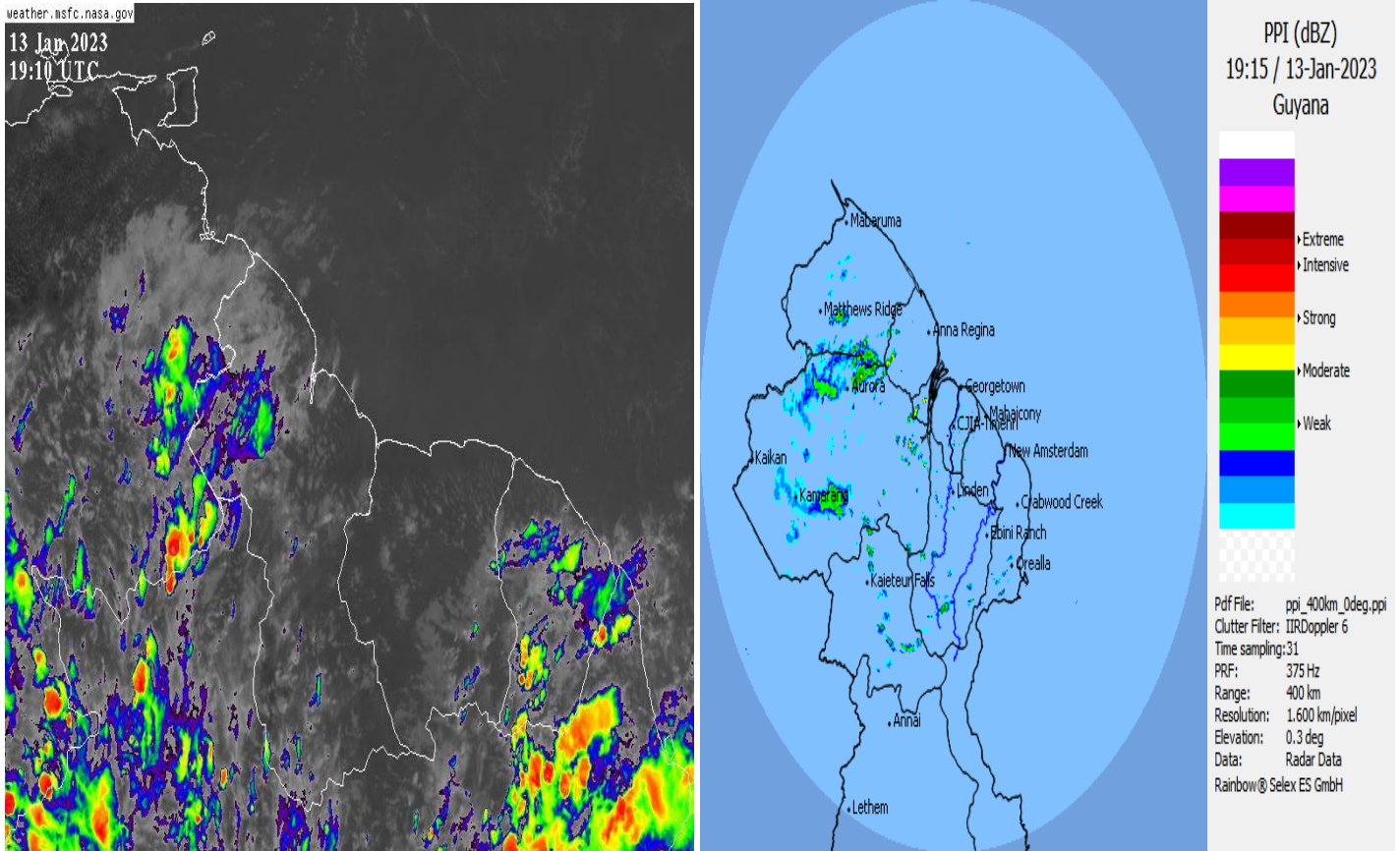
Friday January 13, 2023 (19:00 hrs. – 07:00 hrs.)			Saturday January 14, 2023 (07:00 hrs. – 19:00 hrs.)		
Regions	Weather Conditions		Regions	Weather Conditions	
Northern Guyana	 Rainfall between: 0.0 mm to 15.0 mm with the highest expected over Inland areas of regions 1, 2 and 7.	Partly cloudy to fair skies are likely to be experience over Coastal Regions 1 to 5 throughout the evening hours with no rainfall expected. Conditions are likely to slightly deteriorate from the early morning hours as cloudy spells with scattered showers can be expected. Inland areas can expect cloudy skies with isolated showers and intermittent rain from the early evening hours with conditions expected to improve from the early morning hours. Southern Guyana will likely experience cloudy skies with scattered showers as the night the progresses. Winds: Mostly Breezy conditions over Coastal Guyana. Light and variable over Inland areas.	Coastal and Inland Guyana	 Rainfall between: 5.0 mm and 25.0 mm with the highest expected Inland areas of regions 2 and 7.	Cloudy skies with scattered showers and intermittent rain are likely to be experience over Coastal regions 1 to 6 during the morning hours with conditions expected to improve from the mis-morning period as partly cloudy to fair skies can be expected. Inland areas expect cloudy spells with scattered showers and continuous rain from the early afternoon hours and continuing as the into the evening hours progresses. Southern Guyana will also experience cloudy to overcast skies with moderate to heavy showers and intermittent rain. Winds: Mostly Breezy conditions over Coastal Guyana. Gusty during heavy downpours.
Southern Guyana	 Rainfall between: 10.0 mm and 30.0 mm.	Minimum temperatures: Coast: 22 °C – 25°C Hinterland: 19 °C – 23 °C	Southern Guyana	 Rainfall between: 10.0 mm and 35.0 mm.	Maximum temperatures: Coast: 29 °C – 31 °C Hinterland: 30 °C – 32 °C

The long-term daily average rainfall for Georgetown, for the next 10 days January 13 to January 22, 2023 is 6.5 mm per day.

Severe Weather Warnings: SOILS MAY ALREADY BE SATURATED FROM PREVIOUS RAINFALL AMOUNTS. ADDITIONAL RAINFALL OF ANY AMOUNT CAN LEAD TO OR EXACERBATE FLOODING OR LEAD TO MUDSLIDES. CITIZENS/RELEVANT AUTHORITY ARE ADVISED TO EXERCISE ALL PRECAUTIONARY MEASURES TO SAFEGUARD LIFE AND PROPERTY AGAINST FLOODING AND MUDSLIDES.

Our Mission: To Observe, archive and understand Guyana's weather, and Climate and provide meteorological, hydrological and oceanographic service in support of Guyana's national needs and international obligation.

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Infrared Satellite and Radar images valid 19:15 UTC (15:15 hrs) Friday January 13, 2023.

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

Tonight (January 13, 2023)	Tomorrow Morning (January 14, 2023)		Tomorrow Afternoon (January 14, 2023)
High Tide 20:06 hrs Tide Height 2.59 m	Low Tide 02:04 hrs Tide Height 1.09 m High Tide 08:48 hrs Tide Height 2.39 m		Low Tide 15:13 hrs Tide Height 1.10 m
Sunrise:	06:06 hrs	Sunset:	17:54 hrs

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

Sea conditions: MODERATE SEAS WITH NORTH-EASTERLY TO EASERLY SWELLS REACHING HEIGHTS OF 2.0 TO 2.5 METERS IN OPEN WATERS. THESE WAVES ARE LIKELY TO HAVE PERIODS OF BETWEEN 9 S AND 11 S. WINDS ARE EXPECTED TO BE NORTH-EASTERLY TO EASTERLY BETWEEN 5 M/S TO 7 M/S.

Extended Forecast

Sunday thru Wednesday: Cloudy spells with scattered showers of varying intensities are likely to be experience over Coastal Guyana during the early morning hours with conditions expected to improve from the mid-morning hours as partly cloudy to fair and sunny skies will likely persist. Inland areas will likely experience cloudy skies with scattered showers from the afternoon hours and continuing into the evening hours. **Rainfall is expected between 5.0 mm and 30.0 mm within 24 hours, with the highest expected over Inland areas.** Mostly cloudy to overcast skies can be expected over Southern Regions 6 and remaining areas over Southern Guyana. These conditions are likely to be accompanied by frequent showers and continuous rain. Isolated thundershowers are also likely over these areas. **Rainfall is expected between 30.0 mm and 70.0 mm within 24 hours, with the highest expected on Monday and Tuesday.**

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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