

HYDROMETEOROLOGICAL SERVICE
MINISTRY OF AGRICULTURE

WEATHER BRIEF for Tuesday January 12, 2021 from the Hydrometeorological Service, Guyana





Rainfall records for the past 24 hours, measured at 08:00 hrs Tuesday January 12, 2021, were available for most of the stations.

The highest rainfall of 42.8 mm was record at Capoey Lake in Region 2.

Synopsis: Mid to upper level subsidence coupled with the Saharan Air Layer (SAL) continues to dominate Northern Guyana producing very stable conditions throughout the day. Southern Guyana was mostly influenced by weak convergence at the surface to 1000 mb levels and moderate amounts of low level moisture contributed to weak instabilities over those areas. Northern Guyana is expected to remain generally stable throughout this week, however forecast models are predicting some weak instabilities in the morning hours due to confluence at the low levels which when combine with relative amounts of moisture seen at the 700 mb is likely to produce showers in the morning hours.

Today's weather review: Partly cloudy to cloudy skies was observed in the morning hours with light to moderate showers over Regions 1 to 4 areas. Fair skies were observed from the mid-morning to afternoon hours over Coastal Regions. Inland areas and Southern Guyana saw mostly cloudy skies with few passing showers over Southern Region 6, Region 7 and 10 in the afternoon hours.

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

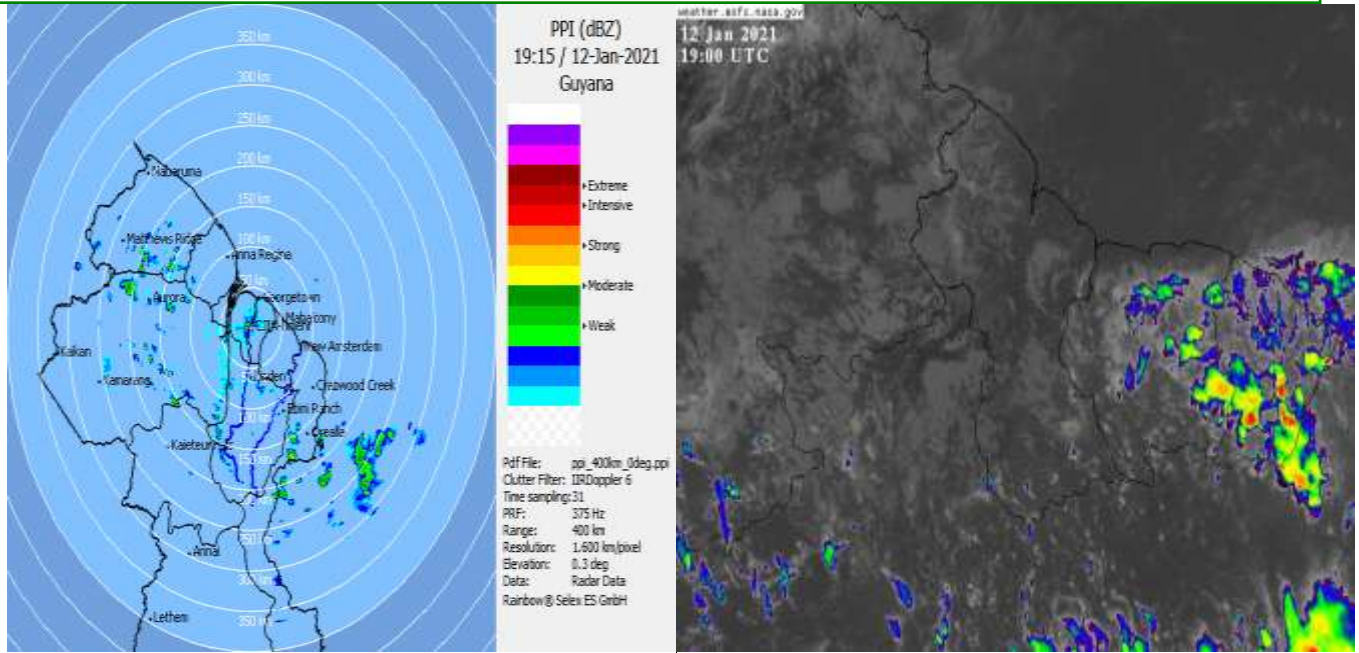
Tuesday January 12, 2021 (19:00 hrs. – 07:00 hrs.)			Wednesday January 13, 2021 (07:00 hrs. – 19:00 hrs.)		
Regions	Weather Conditions		Regions	Weather Conditions	
Northern Guyana	 Rainfall between: 5.0 to 25.0 mm with the highest expected over Regions 1 and 2.	Partly cloudy to fair skies are expected to continue over Northern Regions of Guyana in the evening to early morning hours. Conditions are expected to change in the morning hours with cloudy skies with light to moderate showers likely to be experience over Regions 1 to 4 with the highest rainfall expected over Regions 1 and 2 areas. Southern Guyana will likely continue to see partly cloudy to cloudy skies with light to moderate showers expected over Southern areas of Region 6, Regions 8 and 9 in the evening hours.	Northern Guyana, Coastal Regions 1 to 6.	 Rainfall between: 0.0 to 10.0 mm.	Partly cloudy skies becoming cloudy at times is likely expected over Regions 1 to 4 in the morning hours with scattered showers varying from light to moderate at times with the highest rainfall expected over Region 1 and 2 areas. Conditions are expected to improve as the day progresses with skies becoming fair and hazy with no significant rainfall expected. Inland and Southern Guyana can expect showers in the afternoon hours with skies expecting to become cloudy during this time.
Southern Guyana	 Rainfall between: 5.0 to 20.0 mm	Winds: Easterly directions between 5 to 6 m/s. Minimum temperatures: Coast: 22 °C – 24°C Hinterland: 20 °C – 22 °C	Inland and Southern Guyana.	 Rainfall between: 0.0 to 20.0 mm.	Winds: North-Easterly to Easterly between 5 to 10 m/s. Maximum temperatures: Coast: 29 °C – 31°C Hinterland: 30 °C – 33°C

The long-term daily average rainfall for Georgetown, for the next 10 days, January 06, 2021 to January 15, 2021 is 6.7 mm per day.

Severe Weather Warnings: NIL

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Radar and Infra-Red Satellite images valid 19:45 UTC (15:45 hrs) Tuesday January 12, 2021.

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

Tonight (January 12, 2021)	Tomorrow Morning (January 13, 2021)		Tomorrow Afternoon (January 13, 2021)
Low Tide 21:51 hrs Height 0.33 m	High Tide 04:13 hrs Height 2.81 m (above normal)		High Tide 16:20 hrs Height 3.09 m (above normal)
	Low Tide 10:03 hrs Height 0.73 m		
Sunrise	06:07 hrs	Sunset	17:53 hrs

HIGH TIDE ADVISORY: CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE ADVISORY IS IN EFFECT AND WILL CONTINUE UNTIL SUNDAY JANUARY 17, 2021. RESIDENTS OF LOW LYING, RIVERINE, AND FLOOD PRONE AREAS ARE ADVISED TO TAKE THE NECESSARY PRECAUTIONS AGAINST FLOODING AS OVER-TOPPING IS LIKELY.

Sea conditions: MODERATE TO ROUGH SEAS WITH NORTH-EASTERLY TO EASTERLY WAVES REACHING HEIGHTS OF 2.5 TO 3.0 METERS IN OPEN WATERS. THESE WAVES ARE LIKELY TO HAVE PERIODS OF BETWEEN 6 S AND 10 S. WINDS ARE EXPECTED TO BE NORTH-EASTERLY BETWEEN 7 M/S TO 10 M/S.

Extended Forecast

Thursday to Monday: Thursday and Friday, partly cloudy to cloudy skies are likely to be experienced over Regions 1 to 6 in the early morning hours with showers ranging from light to moderate at times with the highest rainfall likely to be experienced over Regions 1, 2 and 6. Conditions will improve with skies becoming fair and sunny as the day progresses. **Rainfall is expected between 0.0 mm to 20.0 mm during a 24 hours' period.** Saturday, cloudy skies becoming overcast at times are likely to be experienced over Coastal Guyana in the early morning hours with showers varying from light to heavy at times. **Rainfall is anticipated between 5.0 mm to 30.0 mm within a 24 hours' period.** For the remainder of the forecast period, partly cloudy to fair skies are expected to continue over Northern Guyana with **rainfall ranging between 0.0 mm to 10.0 mm within a 24 hours' period.**

For most of the forecast period, Inland areas and Southern Guyana, will likely experience partly cloudy skies becoming cloudy to overcast at times from the early afternoon hours into the evening hours with showers varying from light to moderate at times. **Rainfall is expected between 10.0 mm to 30.0 mm during a 24 hours' period.**

For the Regional climate forecast please see the *Guyana's Seasonal Climate Outlook December 2020 to February 2021* produced by the Climatological section of the Hydrometeorological Service and available on the website. <https://drive.google.com/file/d/1geyePFcCq-6h4-WItDtqn7y-LOVK5SVo/view>

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Update in the bulletin is provided daily by the Hydromet Service: <http://hydromet.gov.gy/>
Meteorologist: S. Nanlall

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