

HYDROMETEOROLOGICAL SERVICE
MINISTRY OF AGRICULTURE

WEATHER BRIEF for Tuesday January 11, 2022 from the Hydrometeorological Service, Guyana





Rainfall records for the past 24 hours, measured at 08:00 hrs Tuesday, January 11, 2022, were available for most of the stations.

The highest rainfall recorded was 15.5 mm at Arpiaco Creek in Region 2.

Synopsis: As stable conditions continue over Coastal and most of Southern Guyana due to relatively dry conditions throughout the atmosphere. The presence of Saharan Air Layer (SAL) coupled with highly sheared atmosphere contributed towards these conditions. Meteorological Models are indicating that these conditions are likely to continue for the next 12 to 36 hours after which flow patterns aloft are expected to change to more South-Easterly pattern allowing for a moister atmosphere and a more divergent pattern aloft. Moisture at the 700 mb level is expected to increase by Thursday which would indicate a more unstable atmosphere over most of Guyana. Localized conditions and higher amounts of low level moisture over Inland areas of Regions 1 to 6, Regions 7, 8 and 10 created mild to moderate instabilities over these areas. Similar patterns are likely to continue mostly during the day time hours.

Today's weather review: Generally fair weather conditions was observed over Coastal Regions 1 to 6 and Region 9 while Inland areas observed cloudy skies with light to moderate showers and intermittent rain.

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

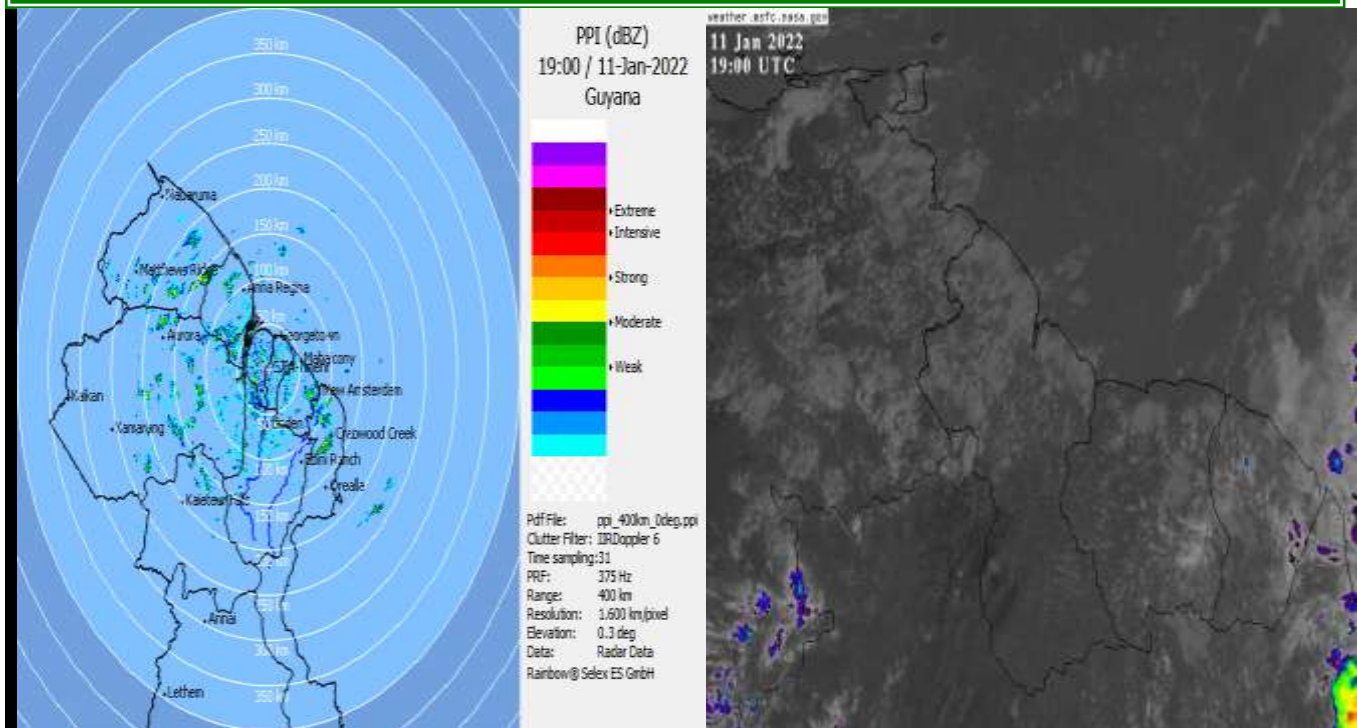
Tuesday January 11, 2022 (19:00 hrs. – 07:00 hrs.)			Wednesday January 12, 2022 (07:00 hrs. – 19:00 hrs.)		
Regions	Weather Conditions		Regions	Weather Conditions	
Coastal Regions 1 to 6 and Region 9	 Rainfall between: 0.0 mm to 5.0 mm.	Mostly fair and clear conditions are likely to persist over Coastal Guyana and Region 9. Coastal Guyana can expect a slight increase in cloudiness in the morning hours with few passing showers. Inland areas, Regions 7, 8 and 10 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.	Coastal Regions 1 to 6 and Region 9	 Rainfall between: 0.0 mm and 10.0 mm	Regions 1 to 6 and Region 9 will likely experience partly cloudy to cloudy skies with brief scattered showers 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.
Inland areas and Regions 7, 8 and 10	 Rainfall between: 0.0 mm to 10.0 mm	Light and variable over Inland areas. <u>Minimum temperatures:</u> Coast: 22 °C – 24 °C Hinterland: 19 °C – 22 °C	Inland areas of Regions 1 to 6 and Regions 7, 8 and 10.	 Rainfall between: 5.0 mm and 20.0 mm	<u>Maximum temperatures:</u> Coast: 28 °C – 30 °C Hinterland: 30 °C – 33 °C

The long-term daily average rainfall for Georgetown, for the next 10 days, January 11, 2022 to January 20, 2022 is 6.8 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 11, 2022

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

Tonight (January 11, 2022)	Tomorrow Morning (January 12, 2022)	Tomorrow Afternoon (January 12, 2022)
<p>High Tide 00:19 hrs Tide Height 2.32 m</p>	<p>Low Tide 05:59 hrs Tide Height 1.27 m</p>	<p>High Tide 12:24 hrs Tide Height 2.41 m</p> <p>Low Tide 19:00 hrs Tide Height 1.06 m</p>
<p>Sunrise:</p>	<p>06:07 hrs.</p>	<p>Sunset:</p> <p>17:52 hrs.</p>

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

Sea conditions: MODERATE SEAS WITH NORTH-EASTERLY WAVES REACHING HEIGHTS OF 2.0 TO 2.5 METERS IN OPEN WATERS. THESE WAVES ARE LIKELY TO HAVE PERIODS OF BETWEEN 8 S AND 9 S. WINDS ARE EXPECTED TO BE NORTH-EASTERLY BETWEEN 5 M/S TO 7 M/S.

Extended Forecast

Thursday thru Monday, Coastal Regions 1 to 6, Regions 9 and 10 will likely experience cloudy skies mostly in morning hours with scattered showers varying from light to moderate with conditions improving from the afternoon hours as partly cloudy skies can be expected. Rainfall is expected to range between 10.0 mm to 25.0 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 intermittent rain. Rainfall is expected to range between 5.0 mm to 25.0 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>

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

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