

HYDROMETEOROLOGICAL SERVICE

MINISTRY OF AGRICULTURE

WEATHER BRIEF for Thursday January 07, 2021 from the Hydrometeorological Service, Guyana







Rainfall records for the past 24 hours, measured at 08:00hrs Thursday January 07, 2021, were available for most of the stations.

The highest rainfall of 59.4 mm was record at 58 Miles Mabura Road in Region 10.

Synopsis: *Frictional convergence continues to dominate at 1000 mb. The atmosphere is relatively moist up to 850 mb. However, the 700 mb started to see a drying out over Northern Guyana but remains moist elsewhere. An asymptote of confluencing was seen at the 500 mb level over central and southern Guyana. Also, at this level, a decrease in moisture was seen over coastal areas and an increase elsewhere. Ridging is dominant in the upper levels (250 mb). With these features mentioned, most of the instabilities were seen over inland areas of the forecasted areas.*

Today's weather review: *Partly cloudy to cloudy skies were observed over Guyana. These conditions were accompanied by light to moderate showers over some areas.*

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

| Thursday January 07, 2021 (19:00 hrs. – 07:00 hrs.) | | | Friday January 08, 2021 (07:00 hrs. – 19:00 hrs.) | | |
|---|---|--|---|--|---|
| Regions | Weather Conditions | | Regions | Weather Conditions | |
| Coastal regions |  Rainfall expected between 0.0 mm to 10.0 mm | Coastal regions can expect partly cloudy skies. Skies are expected to become cloudy during the early morning period, which may be accompanied by a few light showers. Southern regions 6 and region 9 can expect cloudy to overcast skies. These conditions may be accompanied by light to moderate showers, isolated heavy showers and thundershowers during the late evening into morning hours. All other areas may observe partly cloudy to cloudy skies with a few scattered showers. | Coastal regions |  Rainfall expected between 10.0 mm to 20.0 mm | Partly cloudy to cloudy skies can be expected throughout Guyana. Coastal regions can expect a few light showers during the morning period. Regions 7-10 can expect light to moderate showers and possible thundershowers during the mid-morning to afternoon period. All other regions may observe a few scattered showers during the afternoon period. |
| Southern region 6 & region 9 |  Rainfall expected between 30.0 mm to 60.0 mm | <u>Winds:</u> Varying directions between 2 m/s to 4 m/s. Becoming gusty over areas with thundershowers. <u>Minimum temperatures:</u> Coast: 19 °C – 23°C | Regions 7-10 |  Rainfall expected between 20.0 mm to 40.0 mm | <u>Winds:</u> North-Easterly to Easterly between 4 m/s to 6 m/s. <u>Maximum temperatures:</u> Coast: 29 °C – 31°C Hinterland: 28 °C – 30 °C |
| All other areas |  Rainfall expected between 10.0 mm to 20.0 mm | Hinterland: 16 °C – 18 °C | All other regions |  Rainfall expected between 10.0 mm to 20.0 mm | |

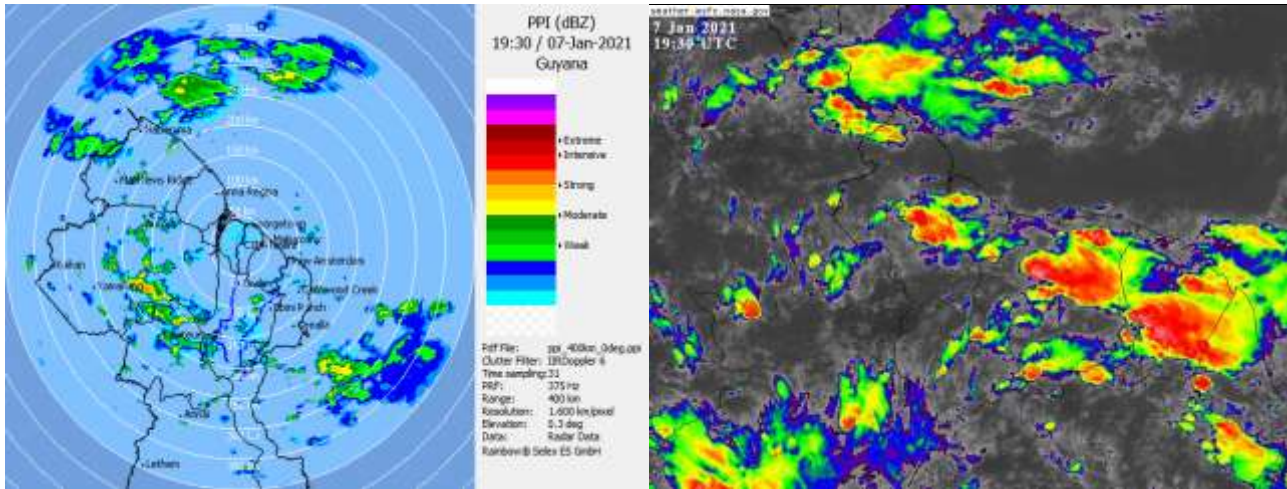
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The long-term daily average rainfall for Georgetown, for the next 10 days, January 07, 2021 to January 16, 2021 is 7.6 mm per day.

Severe Weather Warnings: **NIL**



Infra-Red & Radar images valid 19:30 UTC (15:30 hrs) Thursday January 07, 2021

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

| Tonight(January 07, 2021) | Tomorrow Morning(January 08, 2021) | | Tomorrow Afternoon(January 08, 2021) |
|--------------------------------------|--------------------------------------|--------|--------------------------------------|
| High Tide 23:06 hrs Height 2.50 m | Low Tide 05:14 hrs Height 1.14 m | | Low Tide 18:07 hrs Height 0.77 m |
| | High Tide 12:12 hrs Height 2.69 m | | |
| Sunrise | 06:06 hrs | Sunset | 17:51 hrs |

HIGH TIDE ADVISORY: The above normal tide advisory is in effect.

Sea conditions: MODERATE 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 7 S AND 8 S. WINDS ARE EXPECTED TO BE NORTH-EASTERLY BETWEEN 3 M/S TO 7 M/S.

Extended Forecast

Saturday and Sunday: Cloudy to overcast skies can be expected throughout Guyana. These conditions may be accompanied by light to moderate showers, isolated heavy showers and thundershowers. Rainfall is expected between 50.0 mm to 100.0 mm within a 24 hour' period.

Monday thru Wednesday: Partly cloudy to cloudy skies can be expected throughout Guyana. Coastal regions can expect a few light showers during the morning period. Regions 7-10 can expect light to moderate showers and possible thundershowers during the mid-morning to afternoon period. All other regions may observe a few scattered showers during the afternoon period. Rainfall is expected between 20.0 mm to 40.0 mm within a 24 hour' period.

For the Regional climate forecast please see the Guyana's Seasonal Climate Outlook January to March 2021 produced by the Climatological section of the Hydrometeorological Service and available on the website: <https://drive.google.com/file/d/1jW2wGXhUyLfWJ1ZkEHI7OI8R78emXuA/view>

Update in the bulletin is provided daily by the Hydromet Service: www.hydromet.gov.gy

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