

HYDROMETEOROLOGICAL SERVICE
MINISTRY OF AGRICULTURE

WEATHER BRIEF for Wednesday October 13, 2021 from the Hydrometeorological Service, Guyana





Rainfall records for the past 24 hours, measured at 08:00 hrs Wednesday, October 13, 2021, were available for most of the stations.

The highest rainfall recorded was 38.7 mm at Ogle (Front) in Region 4.

Synopsis: Northern Regions of Guyana (Regions 1 to 5, 7 and 10) was very unstable throughout the day. This was primarily as a result of the re-emergence of the ITCZ over Guyana's Northern Coastline coupled with a Tropical wave which was also embedded within the ITCZ. Convection from these systems moved from the Coastline and into Inland Guyana. Meteorological Models are indicating that the ITCZ is expected to remain over Northern Guyana within the next 12 to 24 hours after which a strong south-easterly flow will move it further North of Guyana bringing stability to those areas. The remainder of Guyana (regions 8 and 9) was mostly stable today as strong mid to upper subsidence continued over those areas and these conditions are likely to continue for the next 48 to 72 hours according to GFS and ECMWF forecast models.

Today's weather review: Cloudy to overcast skies with showers varying from light to moderate and thundershowers was observed over Regions 1 to 2, Inland areas of Regions 3 to 4 and Region 7 areas. Coastal Regions 3 to 6 and the remainder of Guyana observed partly cloudy to cloudy skies.

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

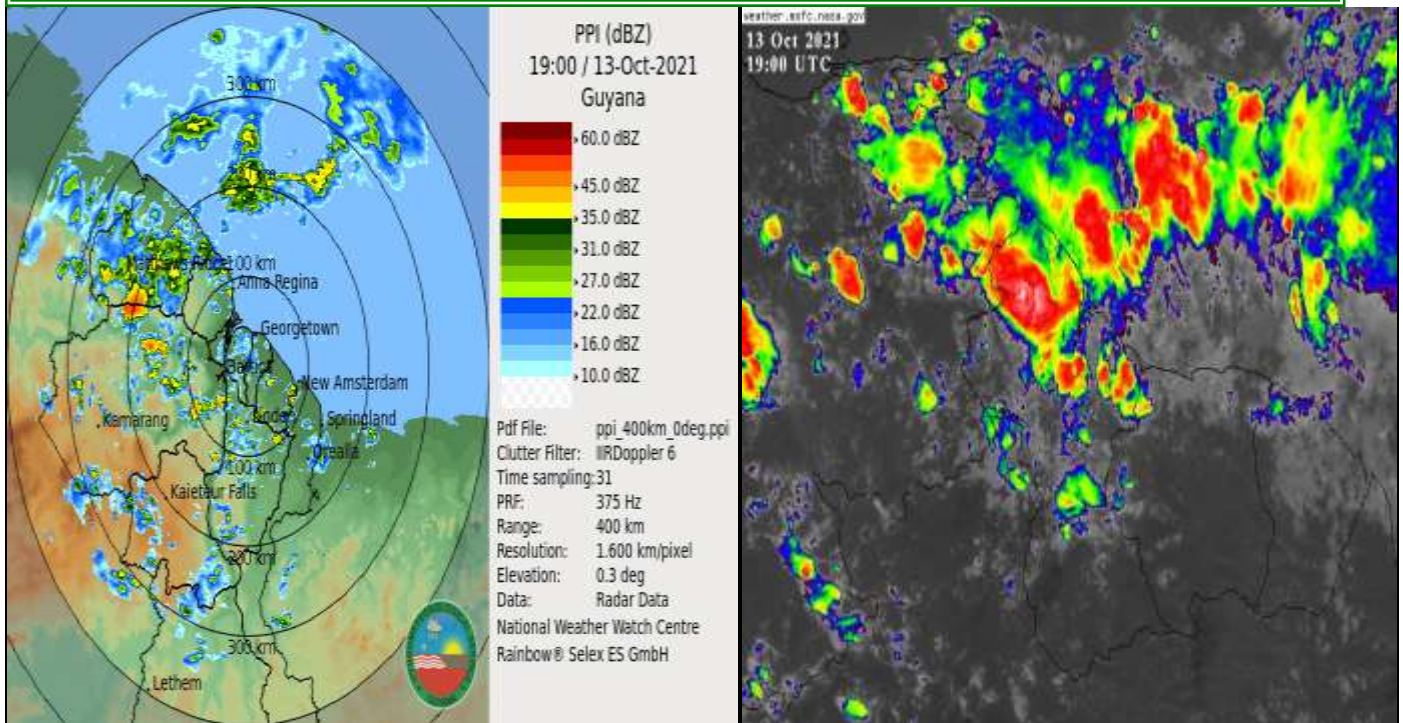
Wednesday October 13, 2021 (19:00 hrs. – 07:00 hrs.)			Thursday October 14, 2021 (07:00 hrs. – 19:00 hrs.)		
Regions	Weather Conditions		Regions	Weather Conditions	
Coastal Guyana (regions 4 to 6)	 Rainfall between: 5.0 mm to 15.0 mm.	Regions 1 to 3, Southern Region 6, Regions 7 and 10 will likely experience cloudy to overcast skies throughout the night. These conditions are likely to be accompanied by showers varying from light to heavy at times and continuous rain. Thundershowers are likely to be experienced over Region 1 and 7 areas. Coastal Guyana (Regions 4 to 6) can likely expect partly cloudy to cloudy skies during the entire night time hours. Showers varying from light to moderate at times are likely to be experience from the early morning hours over these areas. Regions 8 and 9 can expect mostly fair weather conditions with no significant rainfall expected.	Coastal Guyana, Inland areas of Regions 1 to 6, Regions 7 and 10.	 Rainfall between: 10.0 mm and 35.0 mm with the highest expected over Regions 1, 2 and 7.	Mostly cloudy to overcast skies are likely to persist over Regions 1 to 7 and 10. These conditions are likely to be accompanied by scattered showers of varying intensities and continuous rain. Thundershowers are also likely over these areas during the afternoon hours over Inland areas. Coastal Regions can expect improvements in conditions from the early afternoon hours. The remainder of Guyana will likely experience partly cloudy to fair skies with no significant rainfall expected. <u>Winds:</u> Easterly between 5 m/s and 7 m/s, becoming variable and gusty in areas of Thundershowers. <u>Maximum temperatures:</u>
Regions 1 to 3 Southern Region 6, Regions 7 and 10	 Rainfall between: 15.0 mm to 35.0 mm	<u>Winds:</u> Easterly to South- Easterly between 3 m/s to 5 m/s over Coastal Guyana, light and variable over Inland Guyana. Gusty during thundershowers. <u>Minimum temperatures:</u> Coast: 22 °C – 24 °C Hinterland: 19 °C – 23 °C	Regions 8 and 9.	 No significant rainfall.	Coast: 29 °C – 31 °C Hinterland: 30 °C – 33 °C

The long-term daily average rainfall for Georgetown, for the next 10 days, October 13, 2021 to October 22, 2021 is 2.9 mm per day.

Severe Weather Warnings: NONE AT THIS TIME

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RADAR and Infra-Red Satellite images valid 19:00 UTC (15:00 hrs) Wednesday October 13, 2021

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

Tonight (October 13, 2021)	Tomorrow Morning (October 14, 2021)		Tomorrow Afternoon (October 14, 2021)
High Tide 22:33 hrs Tide Height 2.51 m	Low Tide 04:45 hrs Tide Height 0.93 m		Low Tide 17:23 hrs Tide Height 1.33 m
	High Tide 11:35 hrs Tide Height 2.30 m		
Sunrise:	05:38 hrs.	Sunset:	17:37 hrs.

HIGH TIDE ADVISORY: CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE ADVISORY IS NOT IN EFFECT. THE NEXT PERIOD OF ABOVE NORMAL HIGH TIDES WILL BEGIN FROM SUNDAY OCTOBER 17, 2021 AND CONTINUE UNTIL SUNDAY OCTOBER 24, 2021.

Sea conditions: MODERATE SEAS WITH NORTH TO NORTH-EASTERLY WAVES REACHING HEIGHTS OF 1.5 TO 2.0 METERS IN OPEN WATERS. THESE WAVES ARE LIKELY TO HAVE PERIODS OF BETWEEN 13 S AND 14 S. WINDS ARE EXPECTED TO BE TO EASTERLY TO BETWEEN 5 M/S TO 7 M/S.

Extended Forecast

Friday thru Sunday: Coastal Guyana, Regions 8 and 9 can likely expect brief cloudy spells in the early morning hours with light scattered showers after which fair and dry conditions are likely to prevail for the remainder of the day. **Rainfall is expected to range between 0.0 mm to 5.0 mm within a 24 hours' period.** Inland areas of Regions 1 to 6 and Regions 7 and 10 will likely experience cloudy spells from the early afternoon hours with showers of varying intensities. **Rainfall is expected to range between 0.0 mm to 15.0 mm within a 24 hours' period.**

Monday and Tuesday, Coastal Regions 3 to 6 can likely expect brief cloudy skies from the early morning to early afternoon period with showers varying from light to moderate at times and intermittent rain. Conditions will likely improve from the afternoon period into the evening hours. **Rainfall is expected to range between 5.0 mm to 20.0 mm within a 24 hours' period.** Regions 1 to 2, Inland areas of Regions 3 to 6 and Regions 7 to 10 will likely experience cloudy skies becoming overcast at times from the early afternoon hours with scattered showers of varying intensities and thundershowers over these areas. **Rainfall is expected to range between 10.0 mm to 40.0 mm within a 24 hours' period with the highest expected over Regions 1 and 9 areas.**

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>

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

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