

HYDROMETEOROLOGICAL SERVICE
MINISTRY OF AGRICULTURE

WEATHER BRIEF for Thursday June 23, 2022 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00 hrs Thursday June 23, 2022 were available for most of the stations.

The highest rainfall recorded was 56.4 mm at De Edwards in Region 5.

Synopsis: Mild to moderate instabilities were observed over Northern Guyana with most of these instabilities occurring over Inland areas. Mild convection from the ITCZ was analyzed over Region 6 and move Inland as the day progressed while frictional convergence coupled with weak low level troughs affected Inland areas of Regions 1 to 5. Upper level subsidence continues to remain strong over the entire forecast area resulting in limited convective development and is expected to continue for the next 12 to 24 hours. The atmosphere over Northern Guyana is expected to become unstable as another easterly wave is expected on Saturday and is expected to affect those areas until Sunday morning. Southern Guyana will also experience stable conditions during the weekend with atmospheric conditions expected to change from Monday as more unstable conditions are likely to be experience.

Today's weather review: Mostly cloudy skies were observed over Inland areas of Regions 1 to 5 and Region 6, 7 and 10 from the mid-morning hours. These conditions were accompanied by light to moderate showers and isolated thundershowers. All other areas observed partly cloudy to cloudy skies with isolated showers.

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

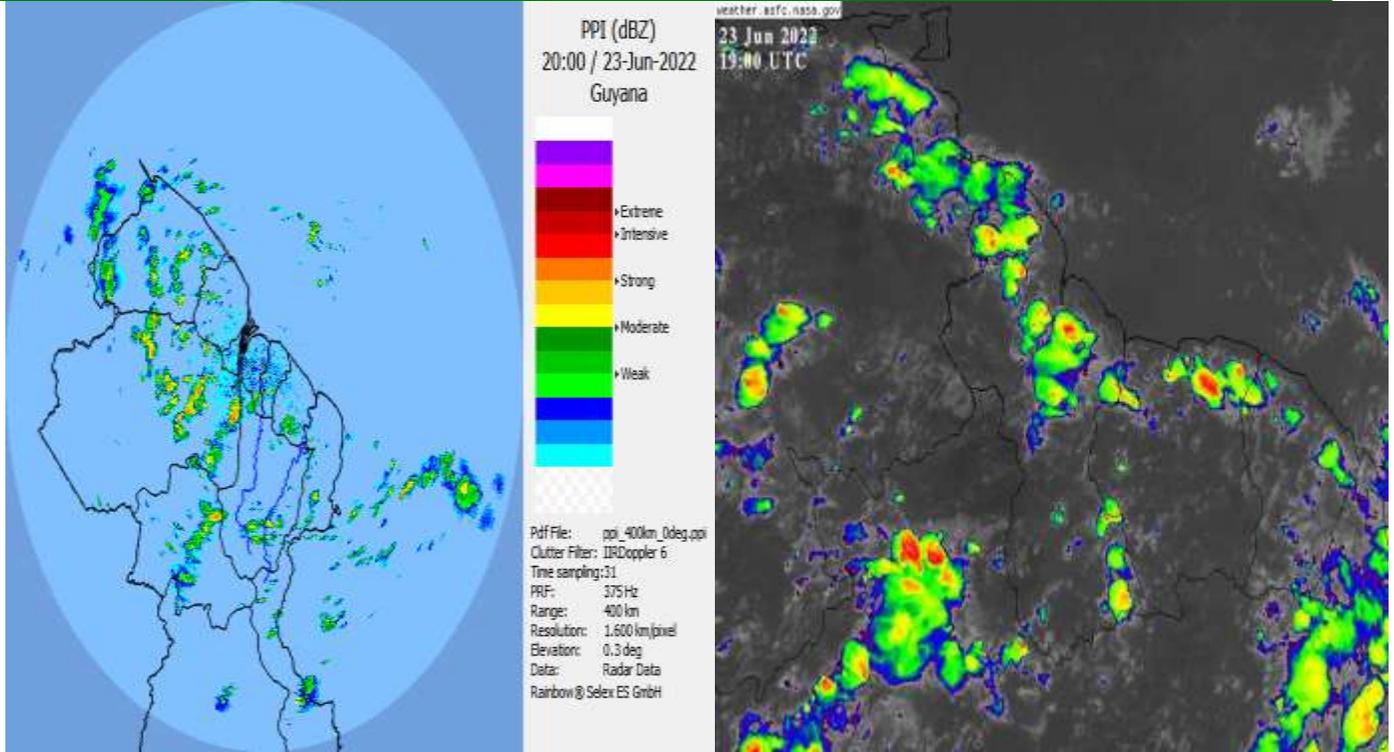
Thursday June 23, 2022 (19:00 hrs. – 07:00 hrs.)			Friday June 24, 2022 (07:00 hrs. – 19:00 hrs.)		
Regions	Weather Conditions		Regions	Weather Conditions	
Regions 1 to 8 and 10	 Rainfall between: 0.0 mm to 30.0 mm with the highest expected Regions 7 and 8.	Partly cloudy to fair skies are likely to be experience over Regions 2 to 6 and 10 throughout the evening hours. Conditions are expected to slightly deteriorate from the morning hours as brief cloudy spells with scattered showers varying mostly from light to moderate and intermittent rain can be expected. Regions 1, 7 and 8 can expect cloudy skies with scattered showers of varying intensities and intermittent rain for most of the evening hours with improvements expected from the early morning hours as partly cloudy fair skies can be expected. Isolated thundershowers are also likely over Regions 7 and 8. Region 9 can expect partly cloudy to cloudy skies with isolated showers from the late evening hours.	Regions 1 to 8 and 10	 Rainfall between: 5.0 mm to 25.0 mm.	Brief cloudy spells with isolated showers and intermittent rain can be expected along Coastal Regions 1 to 5 during the morning hours with conditions expected to improve from the mid-morning hours as partly cloudy to fair skies will likely persist. Regions 6 and Inland areas can expect cloudy skies with scattered showers of varying intensities and intermittent rain. Conditions are expected to begin from the morning hours over Region 6 and move Inland as the day progresses. Isolated thundershowers are also likely over Region 7 and 10 areas. Region 9 will likely experience partly cloudy to cloudy skies with isolated showers during the afternoon hours.
Region 9	 Rainfall between: 0.0 mm to 10.0 mm	<u>Winds:</u> North-Easterly to Easterly at 3 to 5 m/s. Variable over Inland areas. Gusting during thundershowers. <u>Minimum temperatures:</u> Coast: 21 °C – 24 °C Hinterland: 18 °C – 21 °C	Region 9	 Rainfall between: 0.0 mm to 10.0 mm	<u>Winds:</u> North-Easterly to Easterly at between 4 m/s and 6 m/s. Variable and gusting during thundershowers. <u>Maximum temperatures:</u> Coast: 27 °C – 30 °C Hinterland: 28 °C – 30 °C

The long-term daily average rainfall for Georgetown, for the next 10 days, June 23, 2022 to July 02, 2022 is 10.2 mm per day.

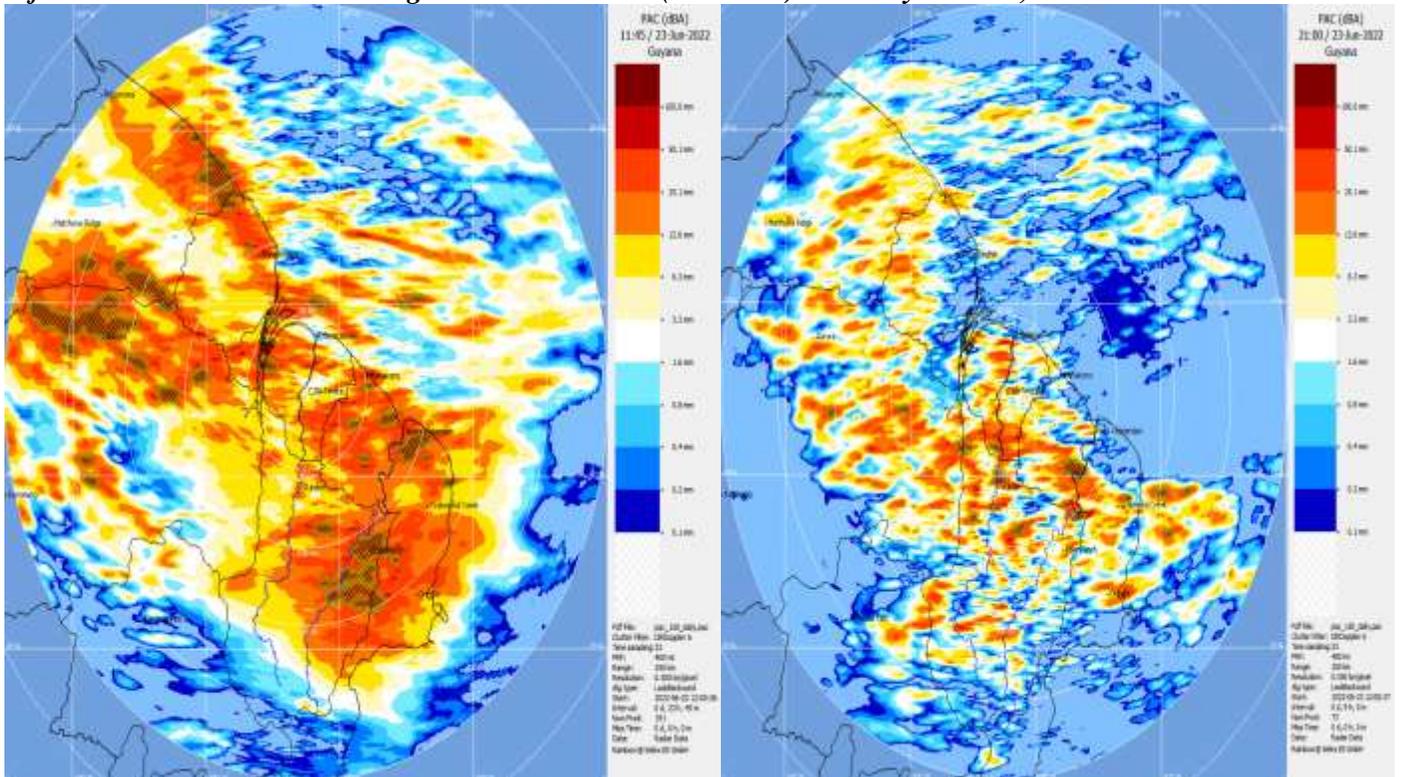
Severe Weather Warnings: SOILS MAY ALREADY BE HIGHLY SATURATED FROM HEAVY RAINFALL, HENCE FORECAST CONDITIONS MAY LEAD TO FLOODING/EXACERBATE FLOODING IN FLOOD PRONE AREAS. HILLY AREAS MAY SEE MUDSLIDES. AREAS WITH THUNDERSHOWERS MAY ALSO EXPERIENCE LIGHTNING AND HIGH WINDS. RESIDENTS ARE ASKED TO TAKE NECESSARY PRECAUTIONS TO SAFEGUARD AGAINST FLOODING, MUDSLIDES, WIND AND LIGHTNING DAMAGE.

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Infra-red Satellite and Radar images valid 19:00 UTC (15:00 hrs) Thursday June 23, 2022.



Radar generated precipitation estimates. Twenty-four and nine hours' rainfall valid 7 hrs and 16 hrs, 23 June 2022.

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

Tonight (June 23, 2022)	Tomorrow Morning (June 24, 2022)		Tomorrow Afternoon (June 24, 2022)
_____	High Tide 00:44 hrs Tide Height 2.61 m		High Tide 13:27 hrs Tide Height 2.48 m
	Low Tide 07:05 hrs Tide Height 0.97 m		Low Tide 19:03 hrs Tide Height 1.13 m
<i>Sunrise:</i>	<i>05:38 hrs.</i>	<i>Sunset:</i>	<i>18:09 hrs.</i>

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

Sea conditions: SLIGHT SEAS WITH EASTERLY WAVES REACHING HEIGHTS OF 1.0 TO 1.5 METERS IN OPEN WATERS. THESE WAVES ARE LIKELY TO HAVE PERIODS OF BETWEEN 9 S AND 10 S. WINDS ARE EXPECTED TO BE TO EASTERLY BETWEEN 3 M/S TO 5 M/S.

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Extended Forecast

Saturday, Monday and Wednesday: cloudy to overcast skies are likely to be experience over Regions 1 to 7 and 10. These conditions will likely be accompanied by scattered showers of varying intensities and continuous rain. Thundershowers are also likely over Regions 1, 2 and 7. **Rainfall is expected to range between 15.0 mm to 60.0 mm within a 24 hours' period with the highest expected over areas with thundershowers.** Southern Guyana will likely experience partly cloudy to cloudy skies with scattered showers varying mostly from light to moderate. **Rainfall is expected to range between 5.0 mm to 30.0 mm within a 24 hours' period with the highest expected on Monday.**

Sunday and Tuesday: cloudy spells with brief isolated showers varying mostly from light to moderate can be expected over Coastal Guyana during the morning hours. Conditions are expected to improve after as partly cloudy to fair skies will persist. Inland/hinterland areas and Southern Guyana can expect cloudy skies with occasional showers and intermittent rain. Isolated thundershowers will likely be experience over Regions 7 and 8. These conditions are expected from the afternoon hours. **Rainfall is expected to range between 10.0 mm 30.0 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: Satesh Nanlall

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