

HYDROMETEOROLOGICAL SERVICE
MINISTRY OF AGRICULTURE

WEATHER BRIEF for Wednesday June 22, 2022 from the Hydrometeorological Service, Guyana





Rainfall records for the past 24 hours, measured at 08:00 hrs Wednesday June 22, 2022 were available for most of the stations.

The highest rainfall recorded was 59.0 mm at Letter Kenny in Region 6.

Synopsis: Moderate to strong convection was observed throughout the day over Northern Guyana. These conditions started over Southern Region 6 and Region 10 areas from the morning hours and move North-westward as the day progressed. Based on analysis of the atmospheric conditions, strong confluent flow at the surface coupled with a low to mid-level trough and high atmospheric moisture contributed to these conditions. Upper level dynamics dictated the direction of the convection as dry air aloft was seen moving from behind these unstable areas. Mid to upper level subsidence is expected to continue into the early evening hours with unstable conditions returning to Northern Guyana during the morning hours. Southern Guyana, especially Region 9 was mostly stable as strong mid to upper level subsidence was observed over those areas and is expected to continue for the next 12 to 36 hours.

Today's weather review: Mostly cloudy to overcast skies were observed over Regions 1 to 7 and 10. These conditions were accompanied by scattered showers, continuous rain and scattered thundershowers. All other areas observed partly cloudy to cloudy skies with isolated showers.

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

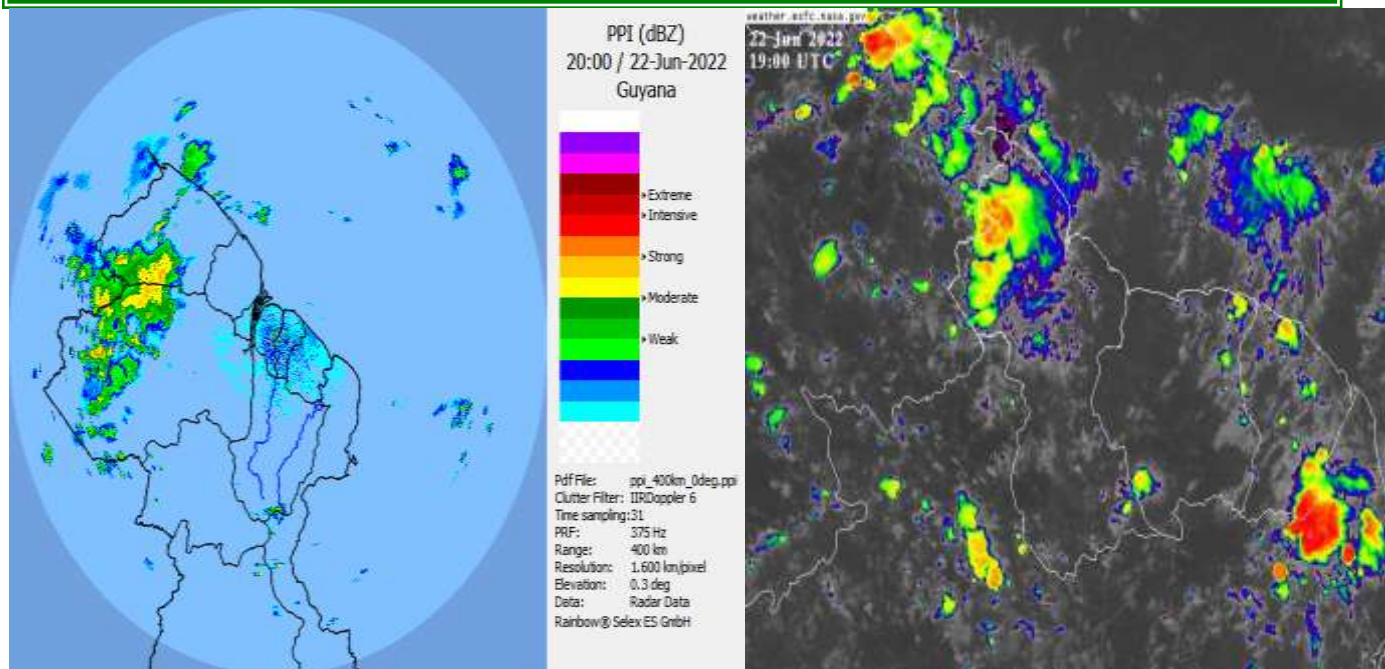
Wednesday June 22, 2022 (19:00 hrs. – 07:00 hrs.)			Thursday June 23, 2022 (07:00 hrs. – 19:00 hrs.)		
Regions	Weather Conditions		Regions	Weather Conditions	
Regions 1 to 7 and 10	 Rainfall between: 5.0 mm to 25.0 mm with the highest expected Regions 1,2 and 7.	Partly cloudy to fair skies are likely to be experience over Regions 2 to 6 and 10 during the evening hours. Conditions are expected to deteriorate from the morning hours as mostly cloudy to overcast skies with scattered showers of varying intensities and intermittent rain can be expected. Isolated thundershowers are also likely over Regions 2 to 4. Regions 1 and 7 can expect partly cloudy to cloudy skies with isolated showers varying mostly from light to moderate and intermittent rain for most of the evening hours with improvements expected from the early morning hours, Regions 8 and 9 can expect partly cloudy to cloudy skies with isolated showers.	Regions 1 to 8 and 10	 Rainfall between: 10.0 mm to 30.0 mm.	Cloudy skies with scattered showers and intermittent rain are likely to be experience over Coastal Regions 1 to 6 during the morning hours. Isolated thundershowers are also likely over Regions 2 to 4 and 6. Conditions will improve from the mid-morning hours as partly cloudy to fair skies can be expected. Regions 7 and 8 can expect mostly cloudy skies with scattered showers and intermittent rain from the afternoon hours. Isolated thundershowers are also likely over Region 7. Region 9 will likely experience partly cloudy to cloudy skies with isolated showers during the afternoon hours.
Regions 8 and 9	 Rainfall between: 0.0 mm to 10.0 mm	<u>Winds:</u> Easterly to South-Easterly at 3 to 5 m/s. Variable over Inland areas. <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> Easterly to South-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 22, 2022 to July 01, 2022 is 10.3 mm per day.

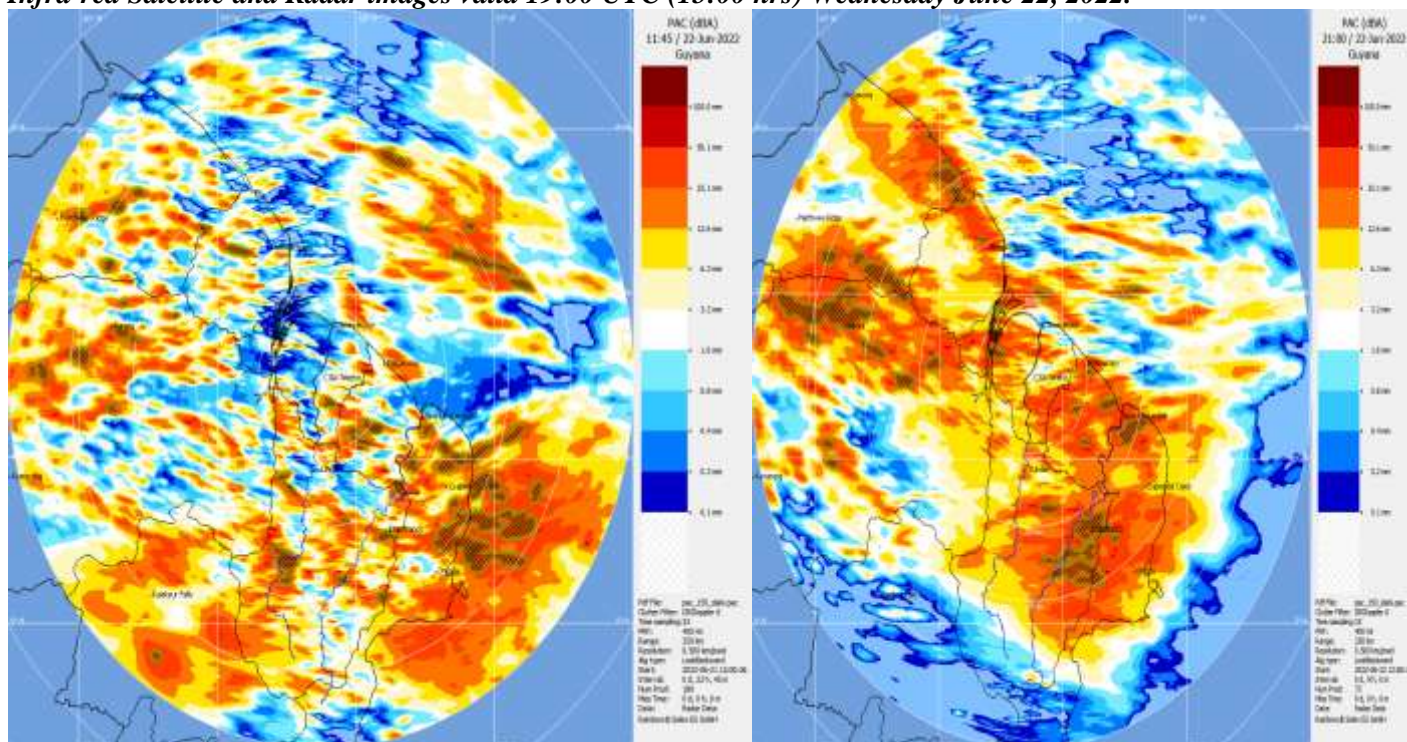
Severe Weather Warnings: SOILS MAY ALREADY BE HIGHLY SATURATED FROM HEAVY RAINFALL, HENCE FORECAST CONDITIONS MAY LEAD TO FLOODING/EXACERBATE FLOODING IN FLOOD PRONE AREAS. HILLY AREAS MAY SEE MUDSLIDES. AREAS WITH THUNDERSHOWERS MAY ALSO EXPERIENCE LIGHTNING AND HIGH WINDS. RESIDENTS ARE ASKED TO TAKE 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) Wednesday June 22, 2022.



Radar generated precipitation estimates. Twenty-four and nine hours' rainfall valid 7 hrs and 16 hrs, 22 June 2022.

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

Tonight (June 22, 2022)	Tomorrow Morning (June 23, 2022)		Tomorrow Afternoon (June 23, 2022)
High Tide 23:53 hrs Tide Height 2.57 m	Low Tide 06:07 hrs Tide Height 1.07 m		High Tide 12:27 hrs Tide Height 2.46 m
	Low Tide 18:07 hrs Tide Height 1.15 m		
Sunrise:	05:38 hrs.	Sunset:	18:09 hrs.

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.

Extended Forecast

Friday, Monday and Tuesday: Cloudy skies with scattered showers of varying intensities can be expected over Northern Guyana. Coastal Guyana will likely experience these conditions during the morning period. Conditions are expected to improve from the afternoon hours. Inland areas can cloudy skies becoming overcast at times with occasional showers and intermittent rain. Isolated thundershowers will
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likely be experience over Region 7. These conditions are expected from the afternoon hours. **Rainfall is expected to range between 10.0 mm 40.0 mm within a 24 hours' period with the highest expected over Regions 1, 2 and 7.** Southern Guyana will likely experience mostly cloudy skies with scattered showers varying mostly from light to moderate and intermittent rain. Thundershowers are also likely over Region 9. **Rainfall is expected to range between 10.0 mm to 50.0 mm within a 24 hours' period.**

Saturday and Sunday: Mostly cloudy to overcast skies are likely to be experience over Northern Guyana during the morning hours. These conditions will likely be accompanied by frequent showers of varying intensities and continuous rain. Thundershowers are also likely over Regions 1, 2 and 7. Conditions will likely improve as the day progresses. **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 15.0 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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