

HYDROMETEOROLOGICAL SERVICE
MINISTRY OF AGRICULTURE

WEATHER BRIEF for Monday June 06, 2022 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00 hrs Monday June 06, 2022 were available for most of the stations.

The highest rainfall recorded was 151.6 mm at Richmond Hill in Region 2.

Synopsis: *Unstable conditions continued over most of the forecast area with the strongest instabilities observed over Northern Guyana. Trailing instabilities from the tropical wave that passed over Guyana last night coupled with a strong confluent flow at the surface and 1000 mb with low level troughs (850 to 500 mb levels) embedded within deep atmospheric moisture were mostly responsible for these conditions. Upper level dynamics also indicated favorable conditions for strong convection during the course of the day. The atmosphere is expected to remain unstable throughout the week with another Tropical wave expected on Wednesday.*

Today's weather review: *Mostly cloudy to overcast skies with moderate to heavy showers with continuous rain was observed over most of Northern Guyana. Thundershowers were also observed over Regions 6 and 10. Southern Guyana observed mostly cloudy skies with isolated showers during the afternoon hours.*

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

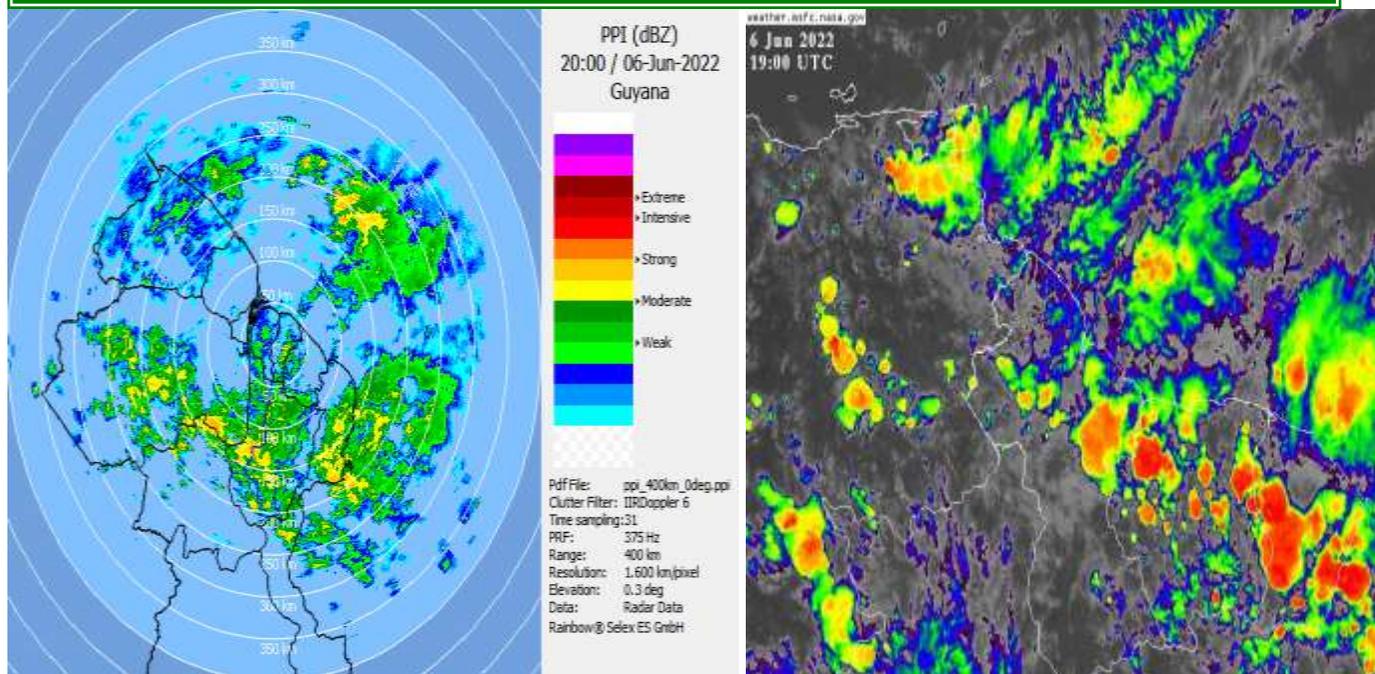
Monday June 06, 2022 (19:00 hrs. – 07:00 hrs.)			Tuesday June 07, 2022 (07:00 hrs. – 19:00 hrs.)		
Regions	Weather Conditions		Regions	Weather Conditions	
Regions 1 to 8 and 10	 Rainfall between: 15.0 mm to 30.0 mm with the highest expected over Inland areas.	Mostly cloudy skies are likely to be experience over Coastal Guyana throughout the night with isolated showers. Conditions will likely deteriorate during the morning hours as scattered showers of varying intensities and intermittent rain will persist. Regions 7, 8 and 10 will experience mostly cloudy to overcast skies with scattered showers and continuous rain throughout the night. Thundershowers are also likely over Region 7. Region 9 can expect cloudy skies with brief isolated showers throughout the evening hours.	Regions 1 to 8 and 10	 Rainfall between: 20.0 mm to 40.0 mm with the highest expected over Inland areas.	Cloudy to overcast skies can be expected over Coastal Guyana during most of the morning hours with scattered showers and intermittent rain with improvements expected in the afternoon hours as mostly cloudy skies will persist. Inland areas can likely expect cloudy to overcast skies with frequent showers and continuous rain during the afternoon hours. Thundershowers are also expected over these areas. Region 9 can expect cloudy skies with isolated showers during the afternoon hours.
Region 9	 Rainfall between: 0.0 mm to 10.0 mm	<u>Winds:</u> Easterly at 3 to 5 m/s. Variable over Inland areas. Gusty 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. Areas with thundershowers may experience gusty winds in excess of 15 m/s from varying directions. <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 06, 2022 to June 15, 2022 is 11.6 mm per day.

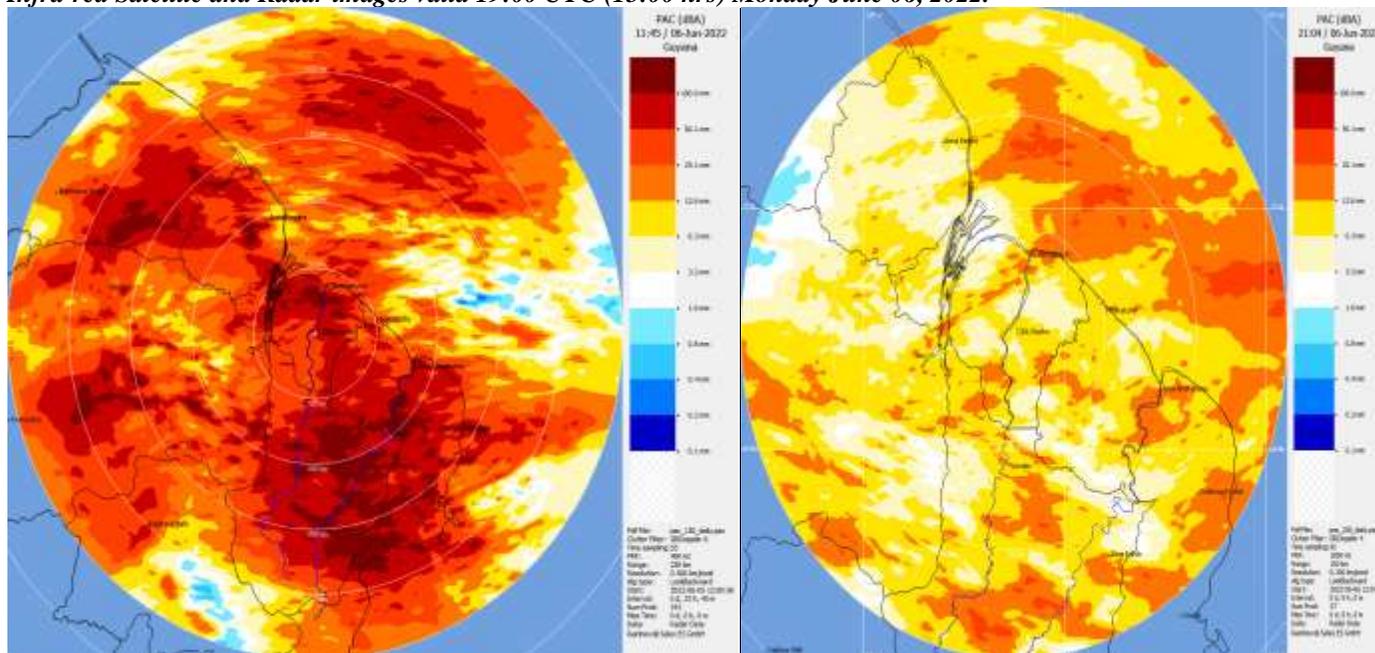
Severe Weather Warnings: SOILS MAY ALREADY BE HIGHLY SATURATED FROM HEAVY RAINFALL, HENCE FORECAST CONDITIONS MAY LEAD TO FLOODING/EXACERBATE FLOODING IN FLOOD PRONE AREAS. HILLY AREAS MAY SEE MUDSLIDES. AREAS WITH THUNDERSHOWERS MAY ALSO EXPERIENCE LIGHTNING AND HIGH WINDS. RESIDENTS ARE ASKED TO TAKE 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) Monday June 06, 2022.



Radar generated precipitation estimates. Twenty-four and nine hours' rainfall valid 7 hrs and 16 hrs, 06 June 2022.

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

Tonight (June 06, 2022)	Tomorrow Morning (June 07, 2022)		Tomorrow Afternoon (June 07, 2022)
High Tide 21:51 hrs Tide Height 2.31 m	Low Tide 03:33 hrs Tide Height 1.33 m High Tide 09:09 hrs Tide Height 2.42 m		Low Tide 15:23 hrs Tide Height 1.23 m
<i>Sunrise:</i>	05:35 hrs.	<i>Sunset:</i>	18:05 hrs.

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

Sea conditions: MODERATE SEAS WITH NORTH-EASTERLY TO 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 10 S.**
- **WINDS ARE EXPECTED TO BE TO EASTERLY BETWEEN 5 M/S TO 8 M/S**

Extended Forecast

Wednesday: Cloudy to overcast skies are likely to be experience over Northern Guyana. These conditions will likely be accompanied by scattered showers and intermittent rain. Isolated thundershowers may also be experienced during the morning hours over Coastal Guyana and Inland areas in the afternoon hours. **Rainfall is expected to range between 20.0 mm to 40.0 mm and between 40.0 mm to 70.0 mm in areas where thundershowers are expected.** All other areas may observe partly cloudy to cloudy skies with scattered showers varying mostly from light to moderate. **Rainfall is expected to range between 10.0 mm to 25.0 mm within a 24 hours' period.**

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Thursday and Friday: Mostly cloudy skies can be expected throughout most of the forecast area with scattered showers and intermittent rain likely to be observe over Coastal Guyana. Inland and Southern Guyana will experience occasional to frequent showers during the afternoon hours. Thundershowers are also likely over Southern Guyana. **range between 10.0 mm to 30.0 mm over Coastal Guyana and Inland areas and between 40.0 mm to 80.0 mm in areas where thundershowers are expected.**

Saturday and Sunday: Mostly cloudy skies becoming occasionally overcast are forecast for all regions during this period. Showers of varying intensities with frequent to continuous rain are expected with these conditions. Isolated thundershowers are likely over Southern Region 6 and Region 9 while scattered thundershowers are also forecast for all other areas. **Rainfall is expected between 30 to 60 mm and in excess of 90 mm in areas of thundershowers.**

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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