

HYDROMETEOROLOGICAL SERVICE

MINISTRY OF AGRICULTURE

WEATHER BRIEF for Friday June 10, 2022 from the Hydrometeorological Service, Guyana





Rainfall records for the past 24 hours, measured at 08:00 hrs Friday June 10, 2022 were available for most of the stations.

The highest rainfall recorded was 25.2 mm at John's Village in Region 6.

Synopsis: The low level trough analyzed from the 850 to 500 mb that created mild instabilities last night continued to move from Coastal Guyana to Inland areas of Northern Guyana. This movement produced stable conditions over Coastal Guyana throughout most of the day and mild to moderate instabilities over Inland areas from the mid-morning into the afternoon. Atmospheric moisture continues to see a reduction, hindering any deep convective development. Southern Guyana also experienced stable conditions as significant reduction in atmospheric moisture over those areas resulted in those conditions. Tropical wave #7 is expected to move into the forecast area from Tomorrow morning, however Meteorological models are indicating a confluent flow ahead of the wave from the surface to 1000 mb which would bring mild to moderate instabilities from tonight over Northern Guyana. This wave is expected to affect most of Northern Guyana especially Regions 1 and 2 until Sunday morning.

Today's weather review: Partly cloudy to cloudy skies was observed over Coastal and Southern Guyana with brief isolated showers. Inland areas observed most cloudy skies with scattered showers and intermittent rain from the mid-morning to afternoon period.

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

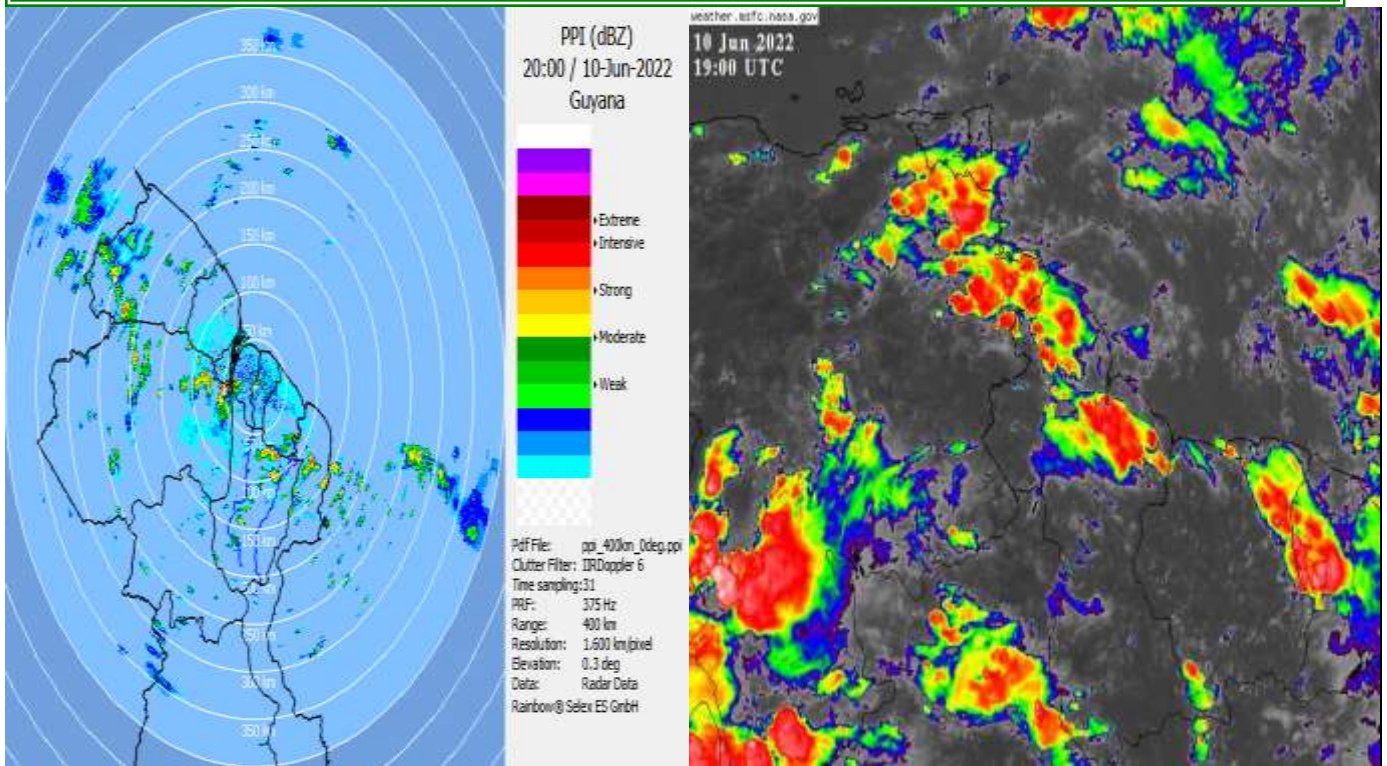
Friday June 10, 2022 (19:00 hrs. – 07:00 hrs.)			Saturday June 11, 2022 (07:00 hrs. – 19:00 hrs.)		
Regions	Weather Conditions		Regions	Weather Conditions	
Regions 1 to 8 and 10	 <p>Rainfall between: 20.0 mm to 50.0 mm with the highest expected Regions 1 and 2</p>	Partly cloudy to fair skies are likely to be experience over Regions 1 to 6 and 10 from the evening hours until the early morning hours as conditions are expected to deteriorate from the morning hours as mostly cloudy to overcast skies with frequent showers and intermittent rain can be expected. Thundershowers are also likely to be experience over Regions 1, 2 and 6. Regions 7 and 8 will likely experience cloudy skies with isolated showers and intermittent rain mostly throughout the evening hours. Region 9 can expect partly cloudy to cloudy skies with few isolated showers.	Regions 1 to 8 and 10	 <p>Rainfall between: 30.0 mm to 60.0 mm with the highest expected Regions 1 and 2.</p>	Cloudy to overcast skies can be expected over Regions 1 to 6 and 10 during most of the morning hours with scattered showers of varying intensities and continuous rain. Thundershowers are also expected over Regions 1 and 2. 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	 <p>Rainfall between: 0.0 mm to 10.0 mm</p>	<p><u>Winds:</u> Easterly at 3 to 5 m/s. Variable over Inland areas. Gusty during thundershowers.</p> <p><u>Minimum temperatures:</u> Coast: 21 °C – 24 °C Hinterland: 18 °C – 21 °C</p>	Region 9	 <p>Rainfall between: 0.0 mm to 10.0 mm</p>	<p><u>Maximum temperatures:</u> Coast: 27 °C – 30 °C Hinterland: 28 °C – 30 °C</p>

The long-term daily average rainfall for Georgetown, for the next 10 days, June 10, 2022 to June 19, 2022 is 11.7 mm per day.

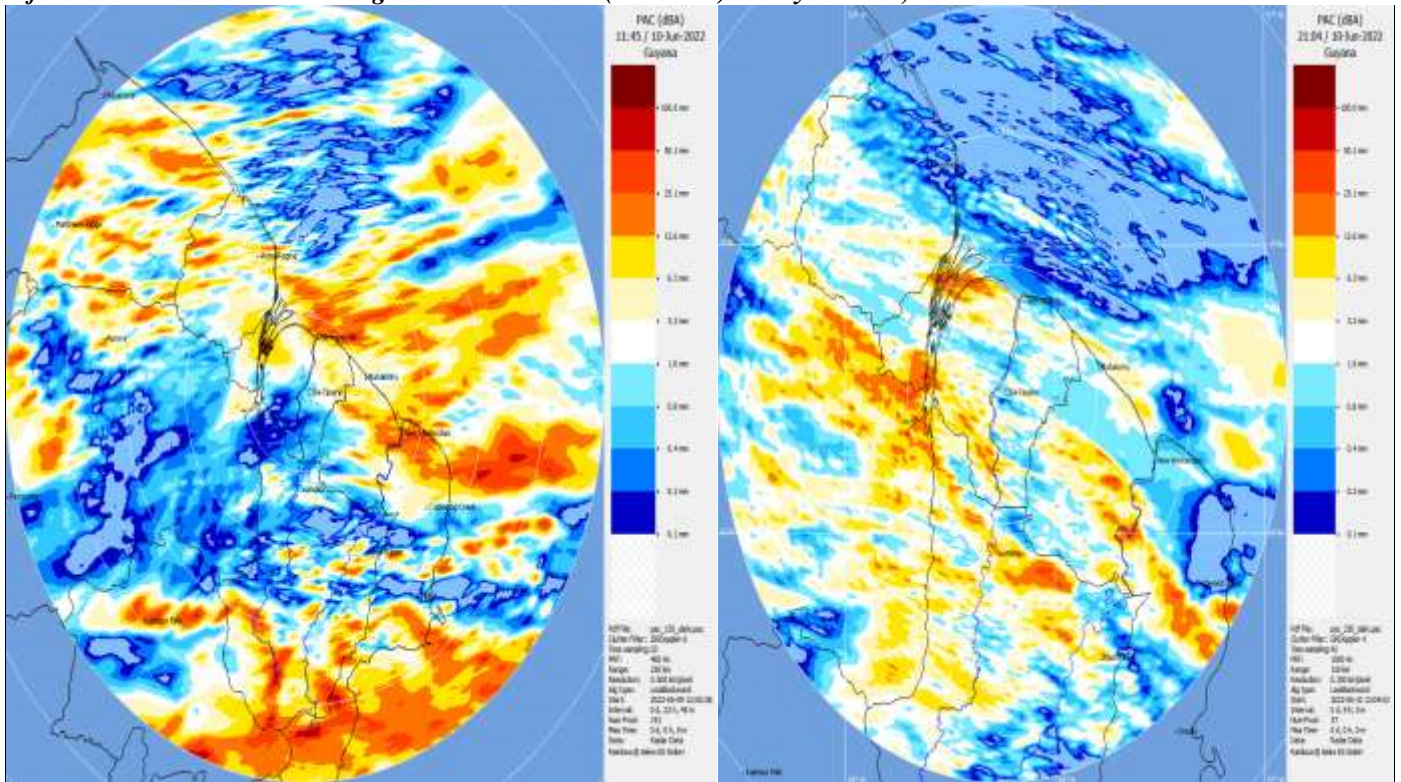
Severe Weather Warnings: SOILS MAY ALREADY BE HIGHLY SATURATED FROM HEAVY RAINFALL, HENCE FORECAST CONDITIONS MAY LEAD TO FLOODING/EXACERBATE FLOODING IN FLOOD PRONE AREAS. HILLY AREAS MAY SEE MUDSLIDES. AREAS WITH THUNDERSHOWERS MAY ALSO EXPERIENCE LIGHTNING AND HIGH WINDS. RESIDENTS ARE ASKED TO TAKE 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) Friday June 10, 2022.



Radar generated precipitation estimates. Twenty-four and nine hours' rainfall valid 7 hrs and 16 hrs, 10 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 10, 2022)	Tomorrow Morning (June 11, 2022)		Tomorrow Afternoon (June 11, 2022)
_____	Low Tide 07:24 hrs Tide Height 0.68 m		High Tide 13:34 hrs Tide Height 2.63 m
	High Tide 01:20 hrs Tide Height 2.81 m (above normal)		
Sunrise:	05:36 hrs.	Sunset:	18:06 hrs.

HIGH TIDE ADVISORY: CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE ADVISORY IS IN EFFECT AND WILL CONTINUE UNTIL SUNDAY JUNE 19, 2022. RESIDENTS OF LOW LYING, RIVERINE, AND FLOOD PRONE AREAS ARE ADVISED TO TAKE THE NECESSARY PRECAUTIONS AGAINST FLOODING AS OVERTOPPING IS LIKELY.

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**

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Extended Forecast

Sunday: Cloudy to overcast skies are likely to be experience over Northern Guyana during the morning hours. These conditions will likely be accompanied by scattered showers and intermittent rain. Conditions will likely improve as the day progresses. **Rainfall is expected to range between 20.0 mm to 40.0 mm.** 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 5.0 mm to 15.0 mm within a 24 hours' period.**

Monday and Tuesday: Partly cloudy to cloudy skies are likely to be experience over Coastal Guyana during the morning hours with isolated showers with conditions expected to improve from the mid-morning as partly cloudy to fair skies can be expected. Inland and Southern Guyana can expect cloudy skies with scattered showers varying mostly from light to moderate from the afternoon hours. **Rainfall is expected to range between 5.0 mm to 25.0 mm within a 24 hours' period.**

Wednesday and Thursday: Cloudy spells with scattered showers of varying intensities can be expected throughout the entire forecast area. Coastal Guyana will likely experience these conditions during the morning period and the remainder of the forecast area can expect these conditions 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: Satish Nanlall

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