

HYDROMETEOROLOGICAL SERVICE
MINISTRY OF AGRICULTURE

WEATHER BRIEF for Tuesday September 13, 2022 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00 hrs Tuesday September 13, 2022 were available for most of the stations.

Little Biaboo in Region 5 recorded the highest rainfall of 15.6 mm.

Synopsis: Mostly low level troughing was analysed over Regions 1, 2, Southern Region 6 and Region 7 areas throughout the day. Atmospheric moisture below the 500 mb remained moderately high and this when combined with the low-level forcing mentioned above create mild to moderate instabilities over these areas. Coastal Regions 2 to 6 observed stable conditions as mostly a ridging pattern was observed while localized day time heating contributed to mild instabilities over other areas. Forecast models are indicating that another low-level trough is expected to affect Regions 1 to 4 from tonight and is expected to move Inland, heading into the early morning. These low-level troughs are expected to create mild to moderate instabilities over regions 1 to 4, 7 and 10 for the next 48 hours after which a strong ridging pattern is expected over these areas. Southern Guyana will also see mostly stable conditions as mid to upper-level subsidence is expected to be the dominant feature over those areas.

Today's weather review: Partly cloudy to fair and sunny skies was observed over regions 2 to 6. All other areas observed partly cloudy to cloudy skies with scattered showers varying mostly from light to moderate. Isolated thundershowers were observed over regions 1, Inland areas of regions 2 to 4 and Regions 6.

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

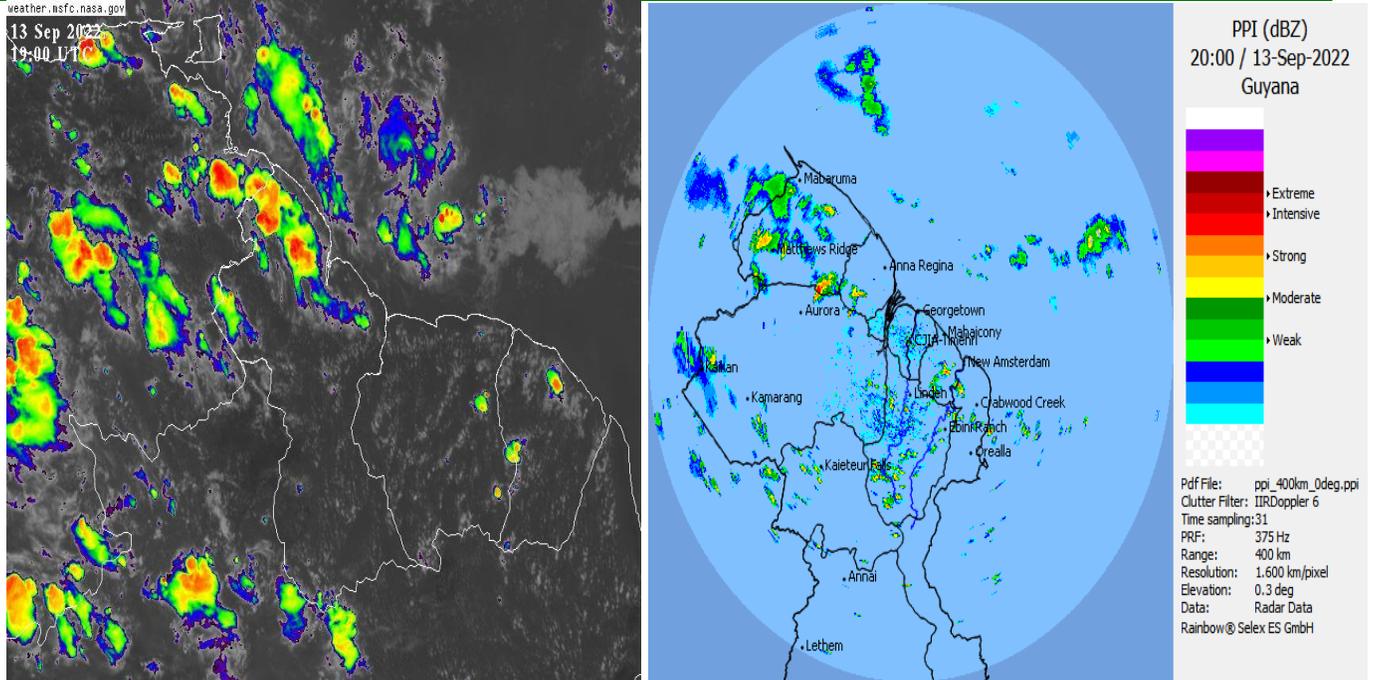
Tuesday September 13, 2022 (19:00 hrs. – 07:00 hrs.)			Wednesday September 14, 2022 (07:00 hrs. – 19:00 hrs.)		
Regions	Weather Conditions		Regions	Weather Conditions	
Regions 1 to 7	 Rainfall between: 10.0 mm to 25.0 mm.	Regions 1 to 7 can expect cloudy skies with scattered showers of varying intensities. Isolated thundershowers are also likely over these areas, with Coastal areas experiencing these conditions during the evening hours and inland areas as the night progresses. Conditions are expected to improve from the morning hours over Coastal Regions 2 to 5 with partly cloudy to fair skies likely to persist. All other areas can expect partly cloudy to fair skies with brief isolated showers.	Coastal Regions 2 to 5	 Rainfall between: 0.0 mm to 10.0 mm.	Partly cloudy skies are likely to be experience over Coastal Regions 2 to 5 during the morning hours. These conditions are likely to be accompanied by scattered showers varying mostly from light to moderate with fair and sunny skies expected from the afternoon hours. All other areas can expect mostly cloudy skies with scattered showers and isolated thundershowers mostly from the afternoon hours.
All other areas	 Rainfall between: 0.0 mm to 10.0 mm.	<u>Winds:</u> Breezy over Coastal Guyana. Light and variable over Inland areas. Gusty during thundershowers. <u>Minimum temperatures:</u> Coast: 22 °C – 24°C Hinterland: 19 °C – 23 °C	All other areas.	 Rainfall between: 10.0 mm and 25.0 mm	<u>Winds:</u> Breezy over Coastal Guyana. Light and variable over Inland areas. Gusty during thundershowers. <u>Maximum temperatures:</u> Coast: 29 °C – 31°C Hinterland: 30 °C – 32 °C

The long-term daily average rainfall for Georgetown, for the next 10 days September 13 to September 22, 2022 is 3.1 mm per day.

Severe Weather Warnings: None at this time.

Our Mission: To Observe, archive and understand Guyana's weather, and Climate and provide meteorological, hydrological and oceanographic service in support of Guyana's national needs and international obligation.

***HYDROMETEOROLOGICAL SERVICE
MINISTRY OF AGRICULTURE***



Infrared Satellite and Radar images valid 19:00 UTC (15:00hrs) Tuesday September 13, 2022.

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

Tonight (September 13, 2022)	Tomorrow Morning (September 14, 2022)	Tomorrow Afternoon (September 14, 2022)
_____	Low Tide 00:14 hrs Tide Height 0.64 m High Tide 06:30 hrs Tide Height 2.89 m (Above normal)	Low Tide 12:20 hrs Tide Height 0.64 m High Tide 18:17 hrs Tide Height 2.91 m (Above normal)
Sunrise:	05:42 hrs	Sunset:
		17:52 hrs

HIGH TIDE ADVISORY: CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE ADVISORY IS IN EFFECT AND WILL CONTINUE UNTIL THURSDAY SEPTEMBER 15, 2022. RESIDENTS OF LOW LYING, RIVERINE, AND FLOOD PRONE AREAS ARE ADVISED TO TAKE THE NECESSARY PRECAUTIONS AGAINST FLOODING AS OVER-TOPPING IS LIKELY.

Sea conditions: SLIGHT SEAS WITH NORTH-EASTERLY TO EASTERLY WAVES REACHING HEIGHTS OF 1.0 TO 1.5 METERS IN OPEN WATERS. THESE WAVES ARE LIKELY TO HAVE PERIODS BETWEEN 13 S AND 15 SECONDS. WINDS ARE EXPECTED TO BE NORTH-EASTERLY TO EASTERLY BETWEEN 3 M/S TO 5 M/S.

Extended Forecast

Thursday thru Monday, partly cloudy to fair skies can be expected over Coastal regions and Regions 8 and 9. These conditions are likely to be accompanied by isolated showers during the morning hours over the Coast and afternoon hours over regions 8 and 9. Rainfall is anticipated between 0.0 mm to 10.0 mm within a 24 hours' period.

Inland areas of regions 1 to 5, Southern Region 6, Regions 7 and 10 expect cloudy spells during the morning hours with conditions deteriorating from the afternoon hours as cloudy to overcast skies with scattered showers varying mostly from light to moderate and isolated thundershowers can be expected. Rainfall is anticipated between 5.0 mm to 35.0 mm within a 24 hours' period.

For the Regional climate forecast please see the Guyana's Seasonal Climate Outlook September to October 2022 produced by the Climatological section of the Hydrometeorological Service and available on the website: <http://hydromet.gov.gy/weather/seasonal-outlook/>

Update in the bulletin is provided daily by the Hydromet Service: www.hydromet.gov.gy
Meteorologist: Satesh Nanlall

Our Mission: To Observe, archive and understand Guyana's weather, and Climate and provide meteorological, hydrological and oceanographic service in support of Guyana's national needs and international obligation.