

***HYDROMETEOROLOGICAL SERVICE
MINISTRY OF AGRICULTURE***

WEATHER BRIEF for Thursday May 09, 2019 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00hrs Thursday May 09, 2019, were available for some of the stations.

The highest rainfall of 60.2mm was recorded at Mahdia in Region 8.

Synopsis: Strong vertical shear and subsidence in the upper atmosphere produced stable conditions over northern Guyana. Southern Guyana observed moderately unstable atmospheric conditions product of deep atmospheric moisture, convergence in the lower atmosphere and divergence in the upper atmosphere.

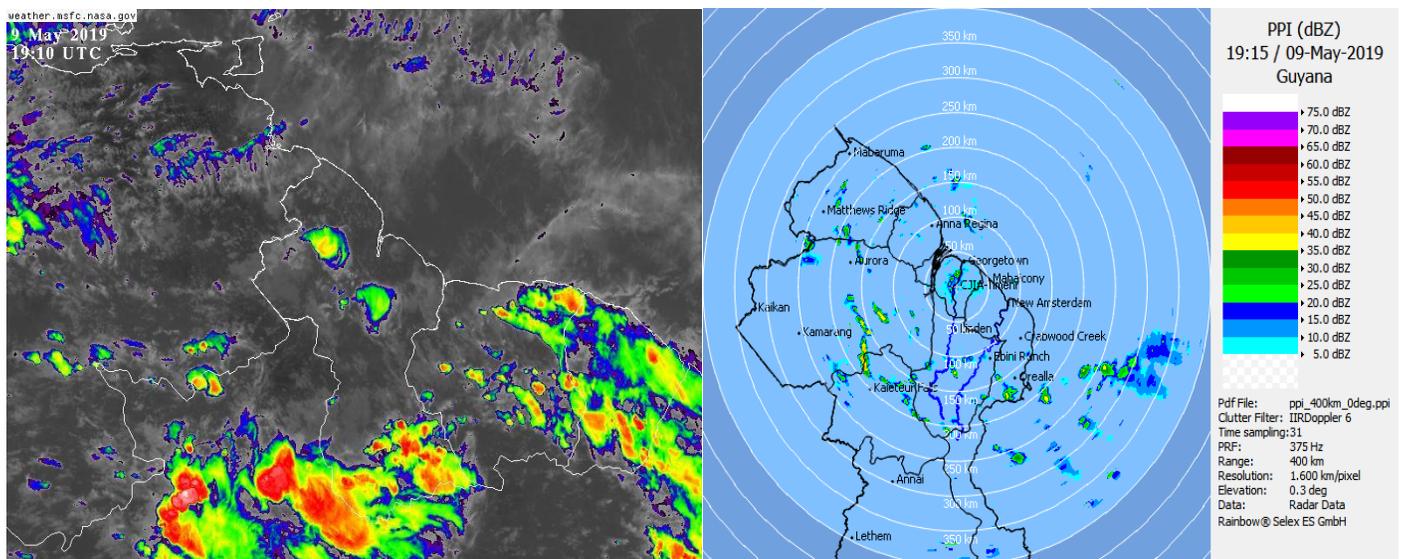
Today's weather review: Partly cloudy skies with a few cloudy spells and light showers were observed over coastal regions. All other areas observed mostly cloudy skies with scattered light to moderate showers. Southern regions 6 and 9 also saw thundershowers during the afternoon hours.

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

| Thursday May 09, 2019 (19:00 hrs. – 07:00 hrs.) | | | Friday May 10, 2019 (07:00 hrs. – 19:00 hrs.) | | |
|---|---|--|---|---|--|
| Regions | Weather Conditions | | Regions | Weather Conditions | |
| Regions 1 to 6 |  Rainfall between: 10.0 mm to 30.0 mm. | Coastal areas may observe partly cloudy skies during the early evening hours. Skies are expected to become cloudy to overcast as the night progresses. These conditions are expected to be accompanied by light to moderate showers and frequent rains. All other areas may observe cloudy to overcast skies with light to moderate showers and frequent to continuous rain. Thundershowers are also likely over southern regions 6 and 9. <u>Winds:</u> Varying directions 2 m/s and 4 m/s, becoming gusty at times. <u>Minimum temperatures:</u> Coast: 22 °C – 25°C Hinterland: 18 °C – 23 °C | Regions 1 and 6 |  Rainfall between: 5 mm and 20.0 mm | Mostly cloudy skies are likely over the forecast area. Light to moderate showers and intermittent rain are expected along the coast. Showers of varying intensities and frequent rain are expected over all other areas. Thundershowers are likely over regions 7 and 10 during the afternoon and over southern regions 6 and 9 during the early morning hours and during the afternoon hours. <u>Winds:</u> North-easterly to easterly between 4 m/s and 8 m/s, becoming gusty at times. <u>Maximum temperatures:</u> Coast: 27 °C – 30°C Hinterland: 26 °C – 30 °C |
| Southern regions 6 and 9 |  Rainfall between: 40.0 mm to 80.0 mm | | All other areas. |  Rainfall between: 25.0 mm and 50.0mm | |
| All other areas |  Rainfall between: 20.0 mm to 45.0 mm. | | | | |

The long-term daily average rainfall for Georgetown, for the next 10 days, May 09, 2019 to May 18, 2019 is 9.4 mm per day.

Severe Weather Warnings: FORECAST CONDITIONS ARE LIKELY TO PRODUCE FLOODING/WATER ACCUMULATION OVER IN FLOOD PRONE AREAS AND MUDSLIDE OVER HILLY AREAS.



Infra-red Satellite and radar images valid 19:15 UTC (15:15hrs) Thursday May 09, 2019.

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

| Tonight(May 09, 2019) | Tomorrow Morning(May 10, 2019) | | Tomorrow Afternoon(May 09, 2019) |
|--|--|---------------|---|
| <i>High Tide 19:53hrs Height 2.55m</i> | <i>Low Tide 01:36hrs Height 1.02m High Tide 07:26hrs Height 2.68m</i> | | <i>Low Tide 14:04hrs Height 0.87m</i> |
| <i>Sunrise</i> | <i>05:36hrs</i> | <i>Sunset</i> | <i>18:00hrs</i> |

HIGH TIDE ADVISORY: *Citizens are advised that the above normal high tide advisory is not in effect.*

Sea conditions: *MODERATE TO ROUGH SEAS WITH WAVES REACHING HEIGHTS OF 2.5 TO 3.0 METERS IN OPEN WATERS*

Extended Forecast

Saturday: Cloudy skies are likely over coastal regions areas. Regions 3 to 6 may also experience scattered light to moderate showers and intermittent rain. Between **10 mm and 25 mm** rainfall is expected. Isolated light to moderate showers are expected over regions 1 and 2. All other areas may observe mostly cloudy skies with light to moderate showers and intermittent rain. Thundershowers may also be observed over regions 7 and 10 and over southern regions 6 and 9. Rainfall is expected to range between **15 mm and 70 mm**, with the maximum over areas with thundershowers.

Sunday thru' Wednesday: Partly cloudy and sunny skies, with brief cloudy spells and accompanying showers, are expected along the coast during this period. Rainfall is forecast to range between **0 mm and 10 mm**. Southern regions 6 and 9 may observe cloudy to overcast skies with showers of varying intensities, frequent rain and isolated thundershowers. Between **30 mm and 70 mm** rainfall is likely. All other areas may observe cloudy skies with light to moderate showers. Rainfall is likely to range between **10 mm and 30 mm**.

For the Regional climate forecast please see the Guyana's Seasonal Climate Outlook February to April 2019 produced by the Climatological section of the Hydrometeorological Service and available on the website: <http://hydromet.gov.gy/wp-content/uploads/2019/03/April-May-June2019.pdf>

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

Meteorologist: L. Alves

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