

***MINISTRY OF AGRICULTURE
HYDROMETEOROLOGICAL SERVICE***

WEATHER BRIEF for Wednesday March 07, 2018 from the Hydrometeorological Service, Guyana



Rainfall records for the past 24 hours, measured at 08:00hrs Wednesday March 07, 2018, were available for most of the stations.

The Highest rainfall of 12.3 mm was recorded at Arakaka in Region 1.

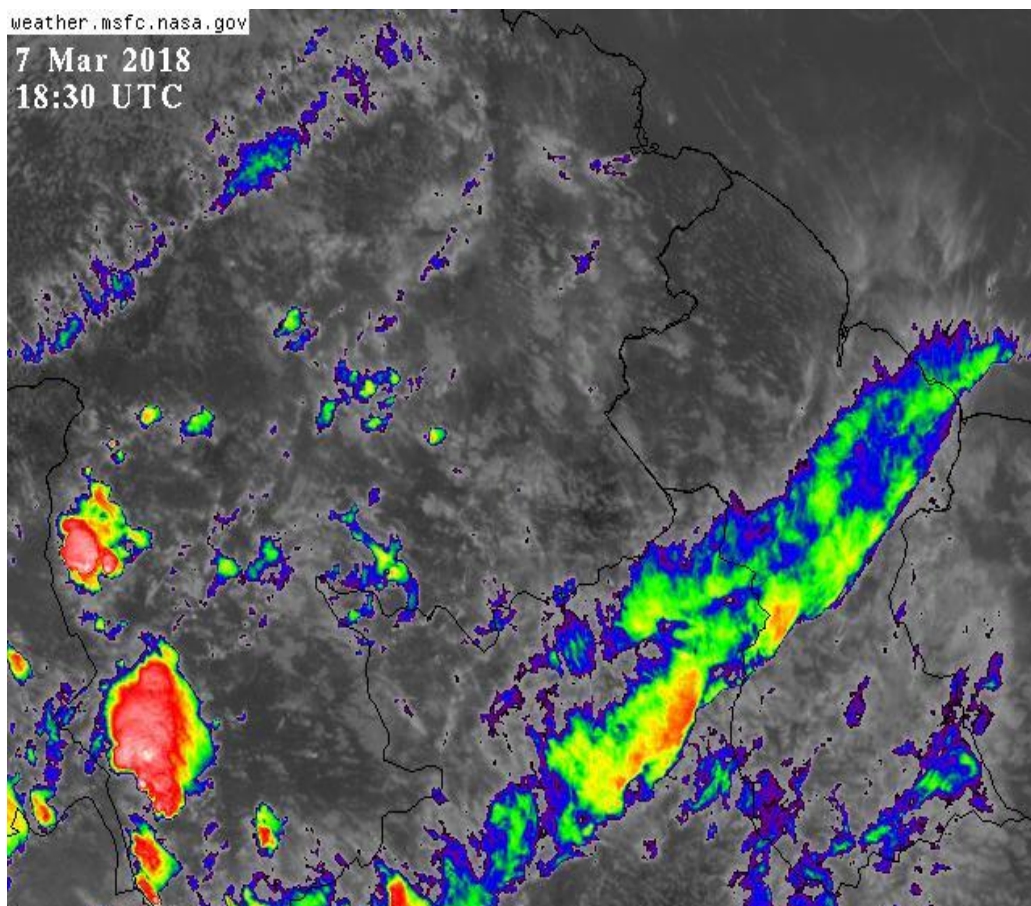
Synopsis: A ridge of high pressure is the dominant feature.

Today's weather review: All Regions observed partly cloudy and sunny skies; some areas observed scattered light to moderate showers.

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

| Wednesday March 07, 2018 (19:00 hrs. – 07:00 hrs.) | | | Thursday March 08, 2018 (07:00 hrs. – 19:00 hrs.) | | |
|--|---|---|---|--|---|
| Regions | Weather Conditions | | Regions | Weather Conditions | |
| Regions 1 to 10 |  Rainfall between: 0.0 mm to 10.0 mm. | Fair to partly cloudy skies with scattered showers can be expected throughout Guyana. <u>Winds:</u> North-easterly to south-easterly between 2 m/s and 4 m/s. Strong winds can be expected before and during heavy downpours. <u>Minimum temperatures:</u> Coast: 22 °C – 24°C Hinterland: 21 °C – 23 °C | Regions 1 to 10 |  Rainfall between: 0.0 mm and 15.0 mm | Partly cloudy and sunny skies can be expected throughout Guyana; some areas can expect scattered showers. <u>Winds:</u> North-easterly to south-easterly between 4 m/s and 8 m/s. Strong winds can be expected before and during heavy downpours. <u>Maximum temperatures:</u> Coast: 30 °C – 32°C Hinterland: 31 °C – 33 °C |

The long-term daily average rainfall for Georgetown, for the next 10 days, March 07, 2018 to March 16, 2018 is 4.3 per day.



Infra-red Satellite image valid 18:30 UTC (14:30hrs) Wednesday March 07, 2018

Warnings: CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE ADVISORY IS NOT IN EFFECT. THE NEXT PERIOD OF ABOVE NORMAL HIGH TIDES WILL BEGIN WEDNESDAY MARCH 14, 2018.

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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(March 07,2018) | Tomorrow Morning(March 08, 2018) | | Tomorrow Afternoon(March 08 ,2018) |
|--|---|---------------|---|
| <i>High Tide 19:48hrs Height 2.55m</i> | <i>Low Tide 01:48hrs Height 1.15m</i> <i>High Tide 08:21hrs Height 2.44m</i> | | <i>Low Tide 14:52hrs Height 0.97m</i> |
| <i>Sunrise</i> | <i>06:01 hrs</i> | <i>Sunset</i> | <i>18:03 hrs</i> |

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

Extended Forecast

*Friday thru' Tuesday: Partly cloudy and sunny skies can be expected throughout Guyana; some areas can expect periods of cloudiness with light to moderate showers. **Rainfall is expected to range between 0.0 mm and 20.0 mm (0.0 in and 0.8 in) within a 24hrs period.***

Seasonal Information (UPDATED 11 January, 2018) - La Niña Advisory

La Niña is likely exceeding ~80% through the Northern Hemisphere winter (December – February) 2017-18, with a transition to ENSO-neutral most likely during the mid-to-late spring (March to May).

According to the ENSO update issued on Thursday 11 January, 2018, by the Climate Prediction Centre, La Niña continued during December, as indicated by the pattern of below-average sea surface temperatures (SSTs) across the central and eastern equatorial Pacific Ocean. Negative sub-surface temperature anomalies in the central and east central equatorial Pacific weakened at the end of December as anomalously warm waters in the western Pacific at depths greater than 100 m propagated eastward. The atmospheric conditions over the tropical Pacific Ocean also reflected La Niña, with suppressed convection near and east of the International Date Line and enhanced convection to the north of Indonesia. Also, the low-level trade winds continued to be stronger than average over the western and central Pacific. Overall, the ocean and atmosphere system remained consistent with La Niña.

Based on most of the forecast models and observations La Niña will persist through the Northern Hemisphere winter 2017-18. Based on the latest observations and forecast guidance, forecasters believe this weak-to-moderate La Niña is currently peaking and will eventually weaken into the spring.

The latest Caribbean Climate Outlook Forum (CARICOF) precipitation outlook, for the period January-February-March 2018 indicates that Guyana can expect a 50% probability of above-normal, 30% normal and 20% below-normal. For a Regional forecast please see the Guyana's Seasonal Climate Outlook January-February-March 2018 produced by the Climatological section of the Hydrometeorological Service. Surface analysis shows that the Inter-tropical Convergence Zone (ITCZ) is currently oscillating mostly between 01 ° South to 06 ° north. Additionally, surface troughs are passing further north. These and other dynamic and thermodynamic features in the atmosphere indicate that Guyana is still in its secondary rainy season. Based on the current and expected ENSO conditions and the CARICOF precipitation outlook, Guyana can expect above normal to normal rainfall during the next three (3) months.

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

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