

**MINISTRY OF AGRICULTURE
HYDROMETEOROLOGICAL SERVICE**



WEATHER BRIEF for Saturday March 03, 2018 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00hrs Saturday March 03, 2018, were available for some of the stations.

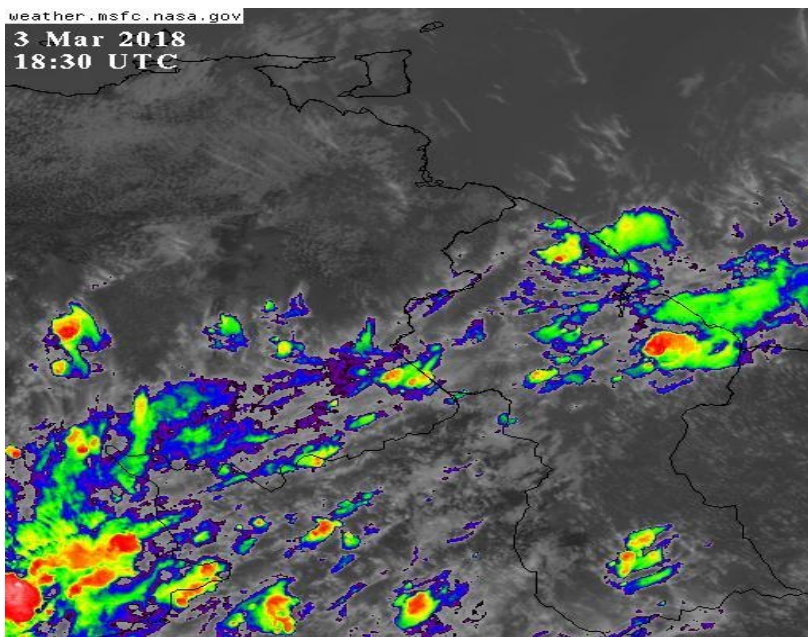
The Highest rainfall of 40.7 mm was recorded at Hague Back Region 3.

Synopsis: A low to mid-level trough is affecting Guyana.

Today's weather review: All Regions observed cloudy to overcast skies with frequent light to moderate showers and intermittent rain.

Saturday March 03, 2018 (19:00 hrs. – 07:00 hrs.)			Sunday March 04, 2018 (07:00 hrs. – 19:00 hrs.)		
Regions	Weather Conditions		Regions	Weather Conditions	
Regions 1 to 10	 Rainfall between: 0.0 mm to 25.0 mm	Partly cloudy to cloudy skies with light to moderate showers can be expected throughout Guyana. Winds: North-easterly to south-easterly between 2 m/s and 4 m/s. Strong winds can be expected before and during heavy downpours. Minimum temperatures: Coast: 21 °C – 23°C Hinterland: 16 °C – 20 °C	Regions 1 to 10	 Rainfall between: 0.0 mm and 40.0 mm.	Cloudy skies with scattered light to moderate showers and intermittent rain can be expected throughout Guyana. Winds: North-easterly to south-easterly between 4 m/s and 8 m/s. Strong winds can be expected before and during heavy downpours. Maximum temperatures: Coast: 28 °C – 31°C Hinterland: 27 °C – 32 °C

The long-term daily average rainfall for Georgetown, for the next 10 days, March 03, 2018 to March 12, 2018 is 3.5 per day.



Infra-red Satellite image valid 18:15 UTC (14:15hrs) Saturday March 03, 2018

Warnings: CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE ADVISORY IS IN EFFECT UNTIL TUESDAY MARCH 06, 2018. RESIDENTS OF LOW LYING, RIVERINE, AND FLOOD PRONE AREAS ARE ADVISED TO TAKE NECESSARY PRECAUTIONS AGAINST POSSIBLE FLOODING.

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

Tonight(March 03,2018)	Tomorrow Morning(March 04, 2018)		Tomorrow Afternoon(March 04,2018)
Low Tide 23:21hrs Height 0.41m	High Tide 05:45hrs Height 3.14m Above normal	Low Tide 11:42hrs Height 0.34m	High Tide 17:47hrs Height 3.11m Above normal
Sunrise	06:03hrs	Sunset	18:03hrs

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

Extended Forecast

Monday: 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 25.0 mm (0.0 in and 1.0 in) within a 24hrs period.**

Tuesday: Cloudy skies with light to moderate showers can be expected throughout Guyana. **Rainfall is expected to range between 5.0 mm and 40.0 mm (0.2 in and 1.6 in) within a 24hrs period.**

Wednesday thru' Friday: Partly cloudy and sunny skies with scattered showers can be expected throughout Guyana. **Rainfall is expected to range between 0.0 mm and 20.0 mm (0.0 in and 0.8 in) within a 24hrs period.**

Special Information Bulletin

Possible Over-topping of Seawalls likely during period of above normal High Tide.

Synopsis: North Easterly swells (with 15 to 20 knots winds) in the Atlantic Ocean.

Associated condition: This is expected to generate moderate to rough seas with 9 to 10 feet waves (2.5 to 3.0 meters) in open waters within the next 12-48 hours.

Possible effects: With the forecasted sea conditions coupled with the current above normal high tides, coastal areas may experience over-topping of sea defences which can result in flooding in low lying and riverine areas.

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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