

***MINISTRY OF AGRICULTURE
HYDROMETEOROLOGICAL SERVICE***

WEATHER BRIEF for Saturday April 1st, 2018 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00hrs Sunday April 1, 2018, were available for most of the stations.

Nil Rainfall was recorded at all stations.

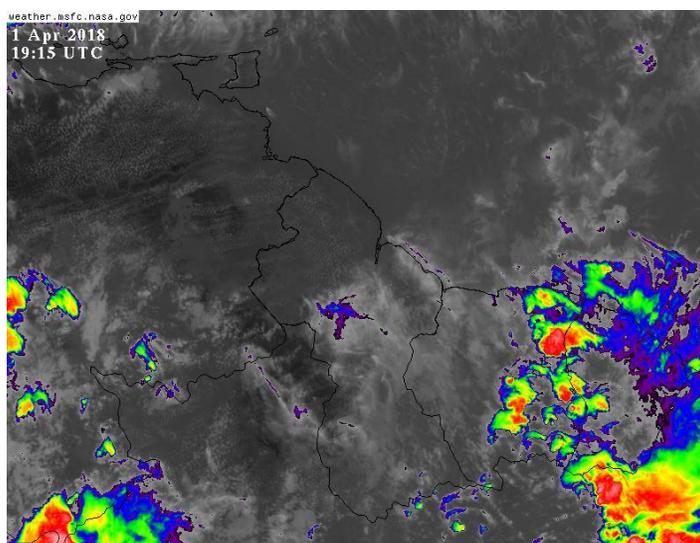
Synopsis: Ridging produced stable conditions over the forecast area. An approaching surface to mid-level trough is expected to produce moderate instability over the forecast area during the next 48 hrs.

Today's weather review: With the exception of southern regions 6 and 9 generally fair weather was observed over Guyana. Southern regions 6 and 9 observed mostly cloudy skies with light to moderate showers.

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

Sunday April 1, 2018 (19:00 hrs. – 07:00 hrs.)			Monday April 02, 2018 (07:00 hrs. – 19:00 hrs.)		
Regions	Weather Conditions		Regions	Weather Conditions	
Regions 1 and 2	 Rainfall between: 5.0 mm to 20.0 mm.	Partly cloudy skies are expected throughout Guyana during the early evening hours. Skies are expected to become cloudy to overcast as the night progresses. Regions 1 and 2 can may experience light to moderate showers and intermittent rain. All other locations can expect light to moderate showers and frequent to continuous rain.	Regions 1 to 10	 Rainfall between: 25.0 mm to 50.0 mm.	Cloudy to overcast skies are expected throughout Guyana. These conditions are likely to be accompanied showers or varying showers and frequent to continuous rain. <u>Winds:</u> Varying directions between 3 m/s and 7 m/s. <u>Maximum temperatures:</u> Coast: 26 °C – 29°C Hinterland: 26 °C – 30 °C
All other regions.	 Rainfall between: 20.0 mm to 40.0 mm.	<u>Winds:</u> North-easterly between 2 m/s and 4 m/s, becoming gusty during showers, <u>Minimum temperatures:</u> Coast: 20 °C – 24°C Hinterland: 16 °C – 20 °C			

The long-term daily average rainfall for Georgetown, for the next 10 days, April 1, 2018 to April 10, 2018 is 4.6 per day.



Infra-red Satellite image valid 19:15 UTC (15:15hrs) Sunday April 01, 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.

Warnings: Above normal high tide advisory is in effect.

Tonight(April 01 ,2018)	Tomorrow Morning(April 02, 2018)		Tomorrow Afternoon(April 01 ,2018)
Low Tide 22:56hrs Height 0.55m	High Tide 05:15hrs Height 3.10m ABOVE NORMAL Low Tide 11:19hrs Height 0.34m		High Tide 17:26hrs Height 3.01m ABOVE NORMAL
Sunrise	05:51hrs	Sunset	18:01hrs

Sea conditions: SLIGHT TO MODERATE SEAS WITH WAVES REACHING HEIGHTS OF 1.5 TO 2.0 METERS IN OPEN WATERS

Extended Forecast

Tuesday: Cloudy to overcast skies with light to moderate showers and frequent to continuous rain is expected throughout Guyana. Rainfall is likely to range between **15 mm and 50 mm**.

Wednesday and Thursday: Mostly cloudy skies with light to moderate showers are likely over southern regions 6 and 9. Isolated thundershowers are likely to during the afternoon and early evening hours. Rainfall is likely to range between **15 mm and 45 mm**. All other locations can expect partly cloudy to cloudy skies with scattered light showers. Parts of regions 7, 8 and 10 may also experience intense showers during the afternoon hours. Rainfall is forecast to range between **0 mm and 10 mm** along the coast and between **15 mm and 30 mm** over all other locations.

Friday and Saturday: Coastal locations are likely to observe partly cloudy to cloudy skies with light to moderate showers. Rainfall is forecast to range between **10 mm and 25 mm** with the maximum on Friday. All other regions may experience cloudy to overcast skies with light to moderate showers and frequent rain. Between **20 mm and 50 mm** rainfall is likely.

Seasonal Information (UPDATED March 8, 2018) – La Niña Advisory

A transition from La Niña to ENSO-neutral is most likely (~55% chance) during the March-May season, with neutral conditions likely to continue into the second half of the year.

According to the ENSO update issued on Thursday March 8, 2018, by the Climate Prediction Centre, During February 2018, La Niña conditions weakened, but was still reflected by below-average sea surface temperatures (SSTs) in the east-central equatorial Pacific Ocean. Negative anomalies were maintained near the surface, the sub-surface temperature anomalies warmed to near zero. This warming was due to the eastward propagation of above-average temperatures along the thermocline in association with a down welling equatorial oceanic Kelvin wave. Most models in the IRI/CPC plume predict La Niña will decay and return to ENSO-neutral during the Northern Hemisphere spring 2018.

In summary, a transition from La Niña to ENSO-neutral is most likely (~55% chance) during the March-May season, with neutral conditions likely to continue into the second half of the year.

The latest Caribbean Climate Outlook Forum (CARICOF) precipitation outlook, for the period March to May 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 March-April-May 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 03 ° South to 04 ° north. 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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