

**MINISTRY OF AGRICULTURE
HYDROMETEOROLOGICAL SERVICE**

**WEATHER BRIEF for Sunday April 15, 2018 from the Hydrometeorological Service,
Guyana**

Rainfall records for the past 24 hours, measured at 08:00hrs Sunday April 15, 2018, were available for most of the stations.

The highest rainfall of 25.1 was recorded at Better Hope Essequibo in Region 2.

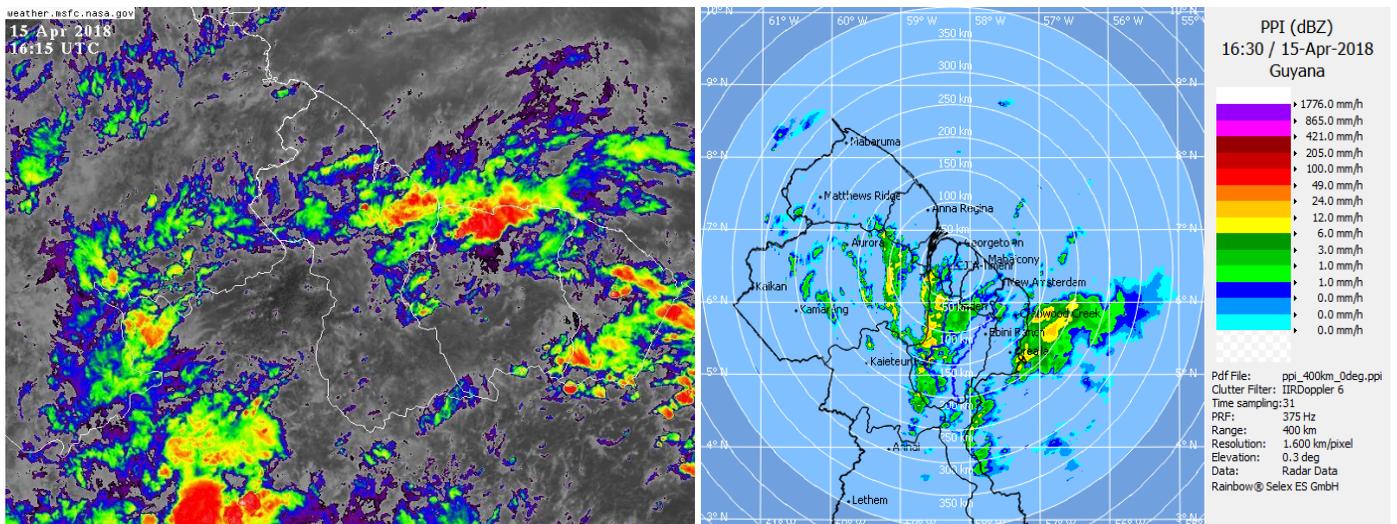
Synopsis: A surface trough is affecting Guyana. Model forecast suggest that this will continue to control the weather pattern over the next 12 to 24 hours as it oscillated across Guyana producing showery activities.

Today's weather review: Varying cloudiness with occasional light to moderate showers and isolated thundershowers were observed across Guyana.

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

Sunday April 15, 2018 (19:00 hrs. – 07:00 hrs.)			Monday April 16, 2018 (07:00 hrs. – 19:00 hrs.)		
Regions	Weather Conditions		Regions	Weather Conditions	
Regions 1 to 10	 Rainfall between: between 20.0 mm to 50.0 mm in Regions 5 and 6 and between 15.0 mm to 25.0 mm elsewhere .	<p>Cloudy to overcast skies can be expected throughout Guyana with occasional to frequent moderate to at times heavy showers.</p> <p>Winds: Mostly light to windy before and during showers</p> <p>Minimum temperatures: Coast: 20 °C – 23°C Hinterland: 19 °C – 21 °C</p>	Regions 1 to 10	 Rainfall between: 25.0 mm and 60.0 mm	<p>Mostly Overcast skies with occasional to frequent moderate to at times heavy rain showers and isolated thundershowers.</p> <p>Winds: Mostly light becoming breezy at times</p> <p>Maximum temperatures: Coast: 27 °C – 29°C Hinterland: 28 °C – 31 °C</p>

The long-term daily average rainfall for Georgetown, for the next 10 days, April 15, 2018 to April 24, 2018 is 5.1 per day.



Infra-red Satellite image valid 16:15 UTC (15:15hrs) Sunday April 15, 2018

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

Warnings: **Above normal high tides are in effect and will continue until Friday April 20, 2018**

Tonight(April 15 ,2018)	Tomorrow Morning(April 16, 2018)	Tomorrow Afternoon(April 16,2018)
Low Tide 21:58 Height 0.51	High Tide 04:00hrs Height 3.12m Above normal Low Tide 10:20hrs Height 0.45m	High Tide 16:45hrs Height 3.06m Above normal
Sunrise	05:46hrs	Sunset
		18:00hrs

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

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Extended Forecast

Tuesday thru Friday: Partly cloudy to cloudy skies with scattered showers can be expected throughout Guyana. *Rainfall is expected to range between 5.0 mm and 25.0 mm within a 24hrs period.*

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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