

**MINISTRY OF AGRICULTURE
HYDROMETEOROLOGICAL SERVICE**

WEATHER BRIEF for Wednesday May 16, 2018 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00hrs Wednesday May 16, 2018, were available for most of the stations.

Highest rainfall of 22.9 mm was recorded at 58 Miles Mabura Road in Region 10.

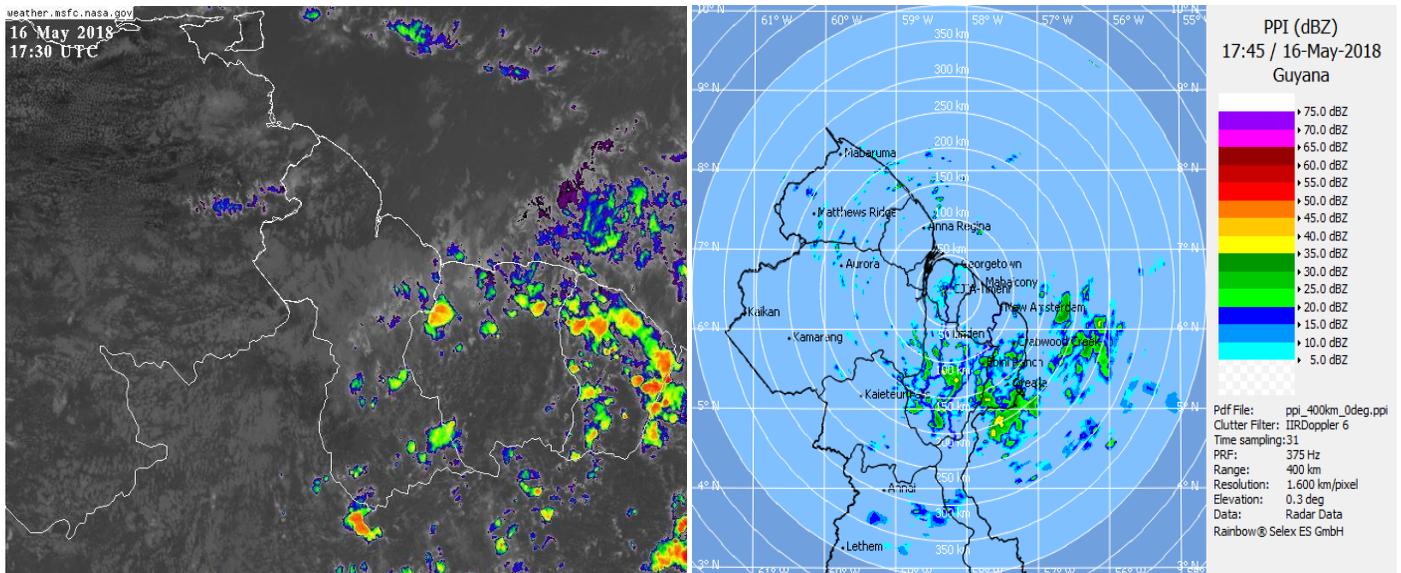
Synopsis: Confluenting in the trades pushes deep moisture surges into Guyana producing cloudy condition and showers in Regions 6 and 10.

Today's weather review: Cloudy to overcast skies with occasional showers and light rain were observed in Regions 6 and 10. All other areas observed varying cloudiness with a few light to at times moderate showers.

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

Wednesday May 16, 2018 (19:00 hrs. – 07:00 hrs.)			Thursday May 17, 2018 (07:00 hrs. – 19:00 hrs.)		
Regions	Weather Conditions		Regions	Weather Conditions	
Regions 1 to 10	 Rainfall between: 0.0 mm to 30.0 mm.	Partly cloudy skies becoming cloudy to overcast in the late evening into early morning with scattered showers. Winds: Mostly light becoming windy before and during showers. Minimum temperatures: Coast: 22 °C – 24°C Hinterland: 21 °C – 23 °C	Regions 1 to 10	 Rainfall between: 30.0 mm and 50.0 mm	Cloudy skies during the morning becoming overcast during the mid-morning with occasional to frequent moderate to at times heavy showers and rain in Regions 3 to 6 and 10. All other areas will see scattered showers. Winds: Mostly light becoming windy at times Maximum temperatures: Coast: 27 °C – 29°C Hinterland: 28 °C – 30 °C

The long-term daily average rainfall for Georgetown, for the next 10 days, May 16, 2018 to May 25, 2018 is 10.2 per day.



Infra-red Satellite image valid 17:30 UTC (13:30hrs) Wednesday May 16, 2018

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

Warnings:

Tonight(May 16, 2018)	Tomorrow Morning(May 17, 2018)		Tomorrow Afternoon(May 17, 2018)
Low Tide 22:57hrs Height 0.55m	High Tide 04:54hrs Height 3.17m Above normal	Low Tide 11:27hrs Height 0.37m	High Tide 18:01hrs Height 2.95m Above normal
Sunrise	05:34hrs	Sunset	18:01hrs

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

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Extended Forecast

Saturday, Sunday and Tuesday: Partly cloudy to cloudy skies with brief early morning and late afternoon showers can be expected throughout Guyana. **Rainfall is expected to range between 5.0 mm and 25.0 mm within a 24hrs period.**

Friday and Monday: Overcast skies with moderate to heavy showers, thundershowers and continuous rain can be expected throughout Guyana. **Rainfall is anticipated to range between 50.0 mm and 100.0 mm with highest in Regions 6 and 10. Some areas may observe values above this range. Water accumulations/ flooding may become likely in poor drainage, riverine and low lying areas.**

Please see below advisory for tides on Friday thru Sunday.

Table 3: shows the Admiralty Tide Tables for the period Friday May 18, 2018 to Sunday May 20, 2018.

DATE	HIGH TIDE		LOW TIDE	
	TIME	HEIGHT	TIME	HEIGHT
	Hr: Min	Meters	Hr: Min	Meter
2018.05.18	04:54	3.17	12:14	0.44
	18:01	2.95	--:--	---
2018.05.19	05:39	3.09	00:32	0.73
	18:51	2.86	13:05	0.58
2018.05.20	06:28	2.97	01:27	0.87
	19:46	2.74	14:01	0.74

The National Weather Watch Center will continue to closely monitor this event and will issue bulletins as the need arises.

Seasonal Information (UPDATED April 12, 2018) – La Niña Advisory

La Niña is expected to transition to ENSO-neutral during April-May, with ENSO-neutral then likely (greater than 50% chance) to continue through the Northern Hemisphere summer 2018.

According to the ENSO update issued on Thursday April 12, 2018, by the Climate Prediction Centre, During March 2018, La Niña continued to weaken, but was still reflected by below-average sea surface temperatures (SSTs) across the east-central and eastern equatorial Pacific Ocean.

While negative anomalies were weakening near the surface, the sub-surface temperature anomalies warmed due to the eastward propagation of a downwelling equatorial oceanic Kelvin wave.

Low-level wind anomalies were easterly over the east-central Pacific, and westerly over the far western Pacific. At upper-levels, winds were anomalously westerly over the eastern Pacific. Overall, the ocean and atmosphere system remained consistent with a weak La Niña. Most models in the IRI/CPC plume predict La Niña will decay and return to ENSO-neutral during the current March-May season. The forecaster consensus similarly favours a transition to neutral, with a continuation of ENSO-neutral conditions through the summer 2018. Thereafter, there is considerable forecast uncertainty, in part due to the lower prediction skill for forecasts made at this time of year. In summary, La Niña is expected to transition to ENSO-neutral during April-May, with ENSO-neutral then likely (greater than 50% chance) to continue through the Northern Hemisphere summer 2018

For a Regional forecast please see the Guyana’s Seasonal Climate Outlook April-May-June 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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