

***MINISTRY OF AGRICULTURE  
HYDROMETEOROLOGICAL SERVICE***

**WEATHER BRIEF for Friday March 09, 2018 from the Hydrometeorological Service, Guyana**



Rainfall records for the past 24 hours, measured at 08:00hrs Friday March 09, 2018, were available for most of the stations.

**The Highest rainfall of 4.4 mm was recorded at No.4 Backdam in Region 5.**

**Synopsis:** Ridging and a temperature inversion produced a very stable atmosphere over the forecast area today. Strong trades and frictional convergence were able to produce brief isolated pockets of shallow instability. These conditions are expected to continue for the next week.

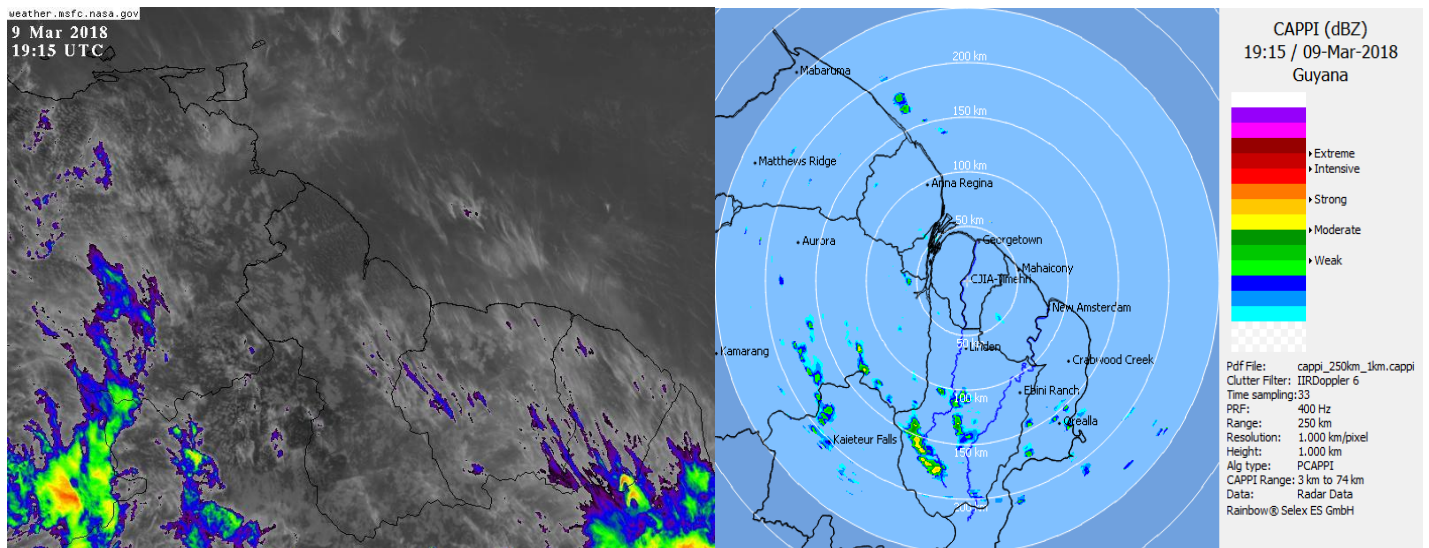
**Today's weather review:** Generally fair weather was experienced throughout Guyana today. Some areas also experienced brief isolated showers.

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

Friday March 09, 2018 (19:00 hrs. – 07:00 hrs.)			Saturday March 10, 2018 (07:00 hrs. – 19:00 hrs.)		
Regions	Weather Conditions	Generally fair weather is expected to continue over the forecast area tonight. Brief cloudy spells and isolated showers are likely along the coast during the early morning hours.  <u>Winds:</u> North-easterly between 2 m/s and 5 m/s.  <u>Minimum temperatures:</u>  Coast: 22 °C – 25°C  Hinterland: 18 °C – 21 °C	Regions	Weather Conditions	Partly cloudy and sunny skies are likely throughout Guyana. Some areas may see brief periods of cloudy skies with light showers.  <u>Winds:</u> North-easterly to easterly between 4 m/s and 8 m/s, becoming gusty during the afternoon hours.  <u>Maximum temperatures:</u>  Coast: 31 °C – 33°C  Hinterland: 30 °C – 36 °C
Regions 1 to 10	 <b>Rainfall between: 0.0 mm to 5.0 mm.</b>		Regions 1 to 10	 <b>Rainfall between: 0.0 mm and 10.0 mm with the maximum over regions 7 and 10.</b>	

The long-term daily average rainfall for Georgetown, for the next 10 days, March 09, 2018 to March 18, 2018 is 4.2 per day.

**Warnings:** Above normal high tide is not in effect.



**Infra-red Satellite and Radar images valid 19:15 UTC (15:15hrs) Friday March 09, 2018**

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

Tonight(March 09,2018)	Tomorrow Morning(March 10, 2018)	Tomorrow Afternoon(March 09 ,2018)
High Tide 21:49hrs Height 2.19mm	High Tide 04:15hrs Height 1.48m  High Tide 11:07hrs Height 2.25m	Low Tide 17:14hrs Height 1.12m
Sunrise	06:02hrs	Sunset
		18:05hrs

**Sea conditions:** ROUGH SEAS WITH WAVES REACHING HEIGHTS OF 3.0 TO 3.5 METERS IN OPEN WATERS. THERE HIGH WAVES MAY CAUSE OVERTOPPING OF THE SEA DEFENSE, ESPECIALLY DURING HIGH TIDES.

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**Extended Forecast**

***Sunday Thru' Thursday:*** Partly cloudy and sunny skies are expected to prevail throughout Guyana throughout this period. Regions 7 and 10 may also see periods of cloudy skies with moderate showers, predominantly during the afternoon hours. Rainfall is likely to range between **0 mm and 10 mm** with the maximum over regions 7 and 10.

**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](http://www.hydromet.gov.gy)

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