

***MINISTRY OF AGRICULTURE
HYDROMETEOROLOGICAL SERVICE***

WEATHER BRIEF for Wednesday January 31, 2018 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00hrs Wednesday January 31, 2018, were available for most of the stations.

The highest rainfall of 18.7 mm was recorded at Sophia in Region 4.

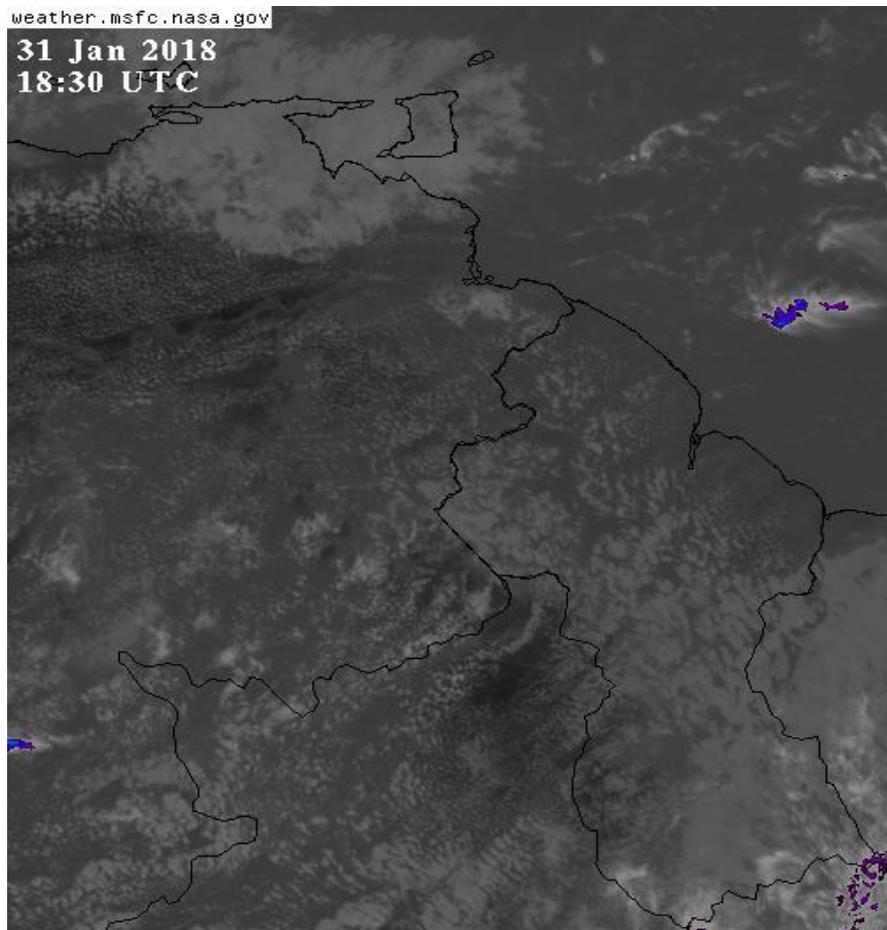
Synopsis: A ridge of high pressure is the dominant feature.

Today's weather review: All Regions observed partly cloudy and sunny skies.

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

Wednesday January 31, 2018 (19:00 hrs. – 07:00 hrs.)			Thursday February 01, 2018 (07:00 hrs. – 19:00 hrs.)		
Regions	Weather Conditions		Regions	Weather Conditions	
Regions 1 to 10	 Rainfall between: 0.0 mm to 5.0 mm.	Fair to partly cloudy skies with isolated showers can be expected throughout Guyana. Winds: Mostly breezy becoming windy at times Minimum temperatures: Coast: 22 °C – 24°C Hinterland: 21 °C – 23 °C	Regions 1 to 10	 Rainfall between: 0.0 mm and 25.0 mm	Partly cloudy to cloudy skies with scattered light to moderate showers can be expected throughout Guyana; conditions are likely to improve over coastal areas during the afternoon. Winds: Mostly light becoming breezy at times Maximum temperatures: Coast: 30 °C – 32°C Hinterland: 31 °C – 33 °C

The long-term daily average rainfall for Georgetown, for the next 10 days, January 31, 2018 to February 09, 2018 is 4.5 per day.



Infra-red Satellite image valid 18:30 UTC (14:30 hrs) Wednesday January 31, 2018

Warnings: CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE ADVISORY IS IN EFFECT UNTIL MONDAY FEBRUARY 05, 2018. RESIDENTS OF LOW LYING, RIVERINE, AND FLOOD PRONE AREAS ARE ADVISED TO TAKE NECESSARY PRECAUTIONS AGAINST POSSIBLE FLOODING.

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

Tonight (January 31, 2018)	Tomorrow Morning (February 01, 2018)		Tomorrow Afternoon (February 01, 2018)
Low Tide 22:21hrs Height 0.26m	High Tide 04:50 hrs Height 3.15m Low Tide 10:33 hrs Height 0.35m		High Tide 16:39 hrs Height 3.28m
Sunrise	06:10hrs	Sunset	17:00hrs

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

Extended Forecast

*Friday and Saturday: Partly cloudy to cloudy skies with scattered light to moderate showers can be expected throughout Guyana; conditions are forecasted to improve during the afternoon. **Rainfall is expected to range between 0.0 mm and 30.0 mm (0.0 in and 1.2 in) within a 24hrs period.***

*Sunday thru' Tuesday: Partly cloudy and sunny skies can be expected throughout Guyana; some areas can expect periods of cloudiness with scattered light to moderate showers and possible isolated thundershowers **Rainfall is expected to range between 0.0 mm and 20.0 mm (0.0 in and 0.8 in) within a 24hrs period.***

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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