

***MINISTRY OF AGRICULTURE
HYDROMETEOROLOGICAL SERVICE***

WEATHER BRIEF for Sunday March 04, 2018 from the Hydrometeorological Service, Guyana



Rainfall records for the past 24 hours, measured at 08:00hrs Sunday March 04, 2018, were available for most of the stations.

The Highest rainfall of 50.1mm was recorded at Johanna South Region 6.

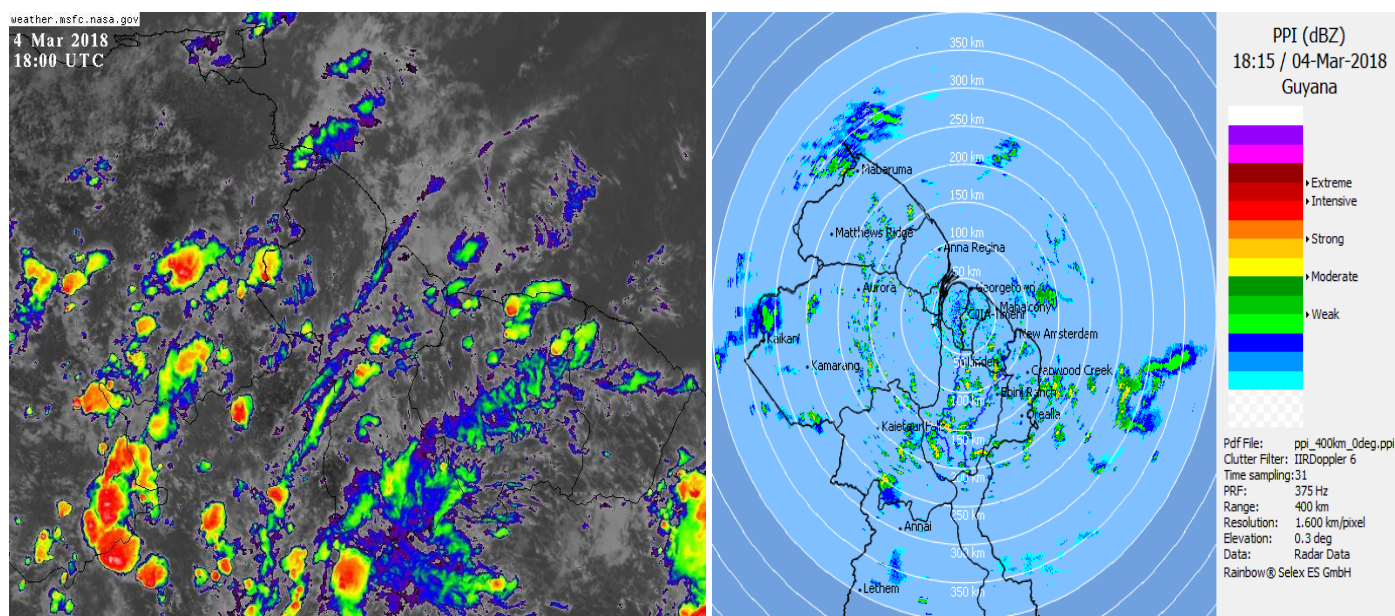
Synopsis: Remnants of a Low to mid-level Trough continues to affect Guyana. Model forecast shows high pressure ridge building and increasing upper-level subsidence over the next 12 to 24 hours, which will inhibit any significant convective activity. This pattern will anchor itself thereafter allowing drier, fair and sunny weather conditions to persist.

Today's weather review: Mostly cloudy to overcast skies were observed throughout Guyana with showers over the morning period into early afternoon.

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

| Sunday March 04, 2018 (19:00 hrs. – 07:00 hrs.) | | | Monday March 05, 2018 (07:00 hrs. – 19:00 hrs.) | | |
|---|--|---|---|---|---|
| Regions | Weather Conditions | | Regions | Weather Conditions | |
| Regions 1 to 10 |  Rainfall between: 0.0 mm to 25.0 mm. | Cloudy to overcast skies will continue with scattered to occasional light to moderate showers in the evening. Condition are expected to improve into the morning hours. Winds: Mostly light Minimum temperatures: Coast: 22 °C – 25°C Hinterland: 16 °C – 20 °C | Regions 1 to 10 |  Rainfall between: 0.0 mm and 15.0 mm | Apart from a few cloudy spells and passing showers during the morning in some areas, generally fair weather is expected across Guyana. Winds: Breezy to windy at times. Maximum temperatures: Coast: 28 °C – 30°C Hinterland: 29 °C – 31 °C |

The long-term daily average rainfall for Georgetown, for the next 10 days, March 04, 2018 to March 13, 2018 is 3.8 per day.



Infra-red Satellite image valid 18:00 UTC (14:00hrs) Sunday March 04, 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 tide is in effect and will continue until Tuesday March 6, 2018.

| Tonight(March 04,2018) | | Tomorrow Morning(March 05, 2018) | | Tomorrow Afternoon(March 05,2018) | |
|-----------------------------------|--|--|--|-----------------------------------|--|
| Low Tide 23:58hrs Height 0.55m | | High Tide 06:21hrs Height 3.01m Above normal | | Low Tide 12:25hrs Height 0.46m | |
| Sunrise | | 06:02hrs | | Sunset | |
| | | | | 18:03hrs | |

Sea conditions: MODERATE SEAS WITH WAVES REACHING HEIGHTS OF 2.0 TO 2.5 METERS IN OPEN WATERS.

Extended Forecast

Tuesday thru Saturday, partly cloudy and sunny skies will be observed throughout Guyana. Risk of isolated showers. **No significant rainfall expected within a 24-hour period.**

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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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