

MINISTRY OF AGRICULTURE HYDROMETEOROLOGICAL SERVICE

WEATHER BRIEF for Monday, February 13, 2017 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00 hrs Monday February 13, 2017, were available for most of the stations. The highest rainfall of 20.1mm was recorded at Matthews Ridge Region 1.

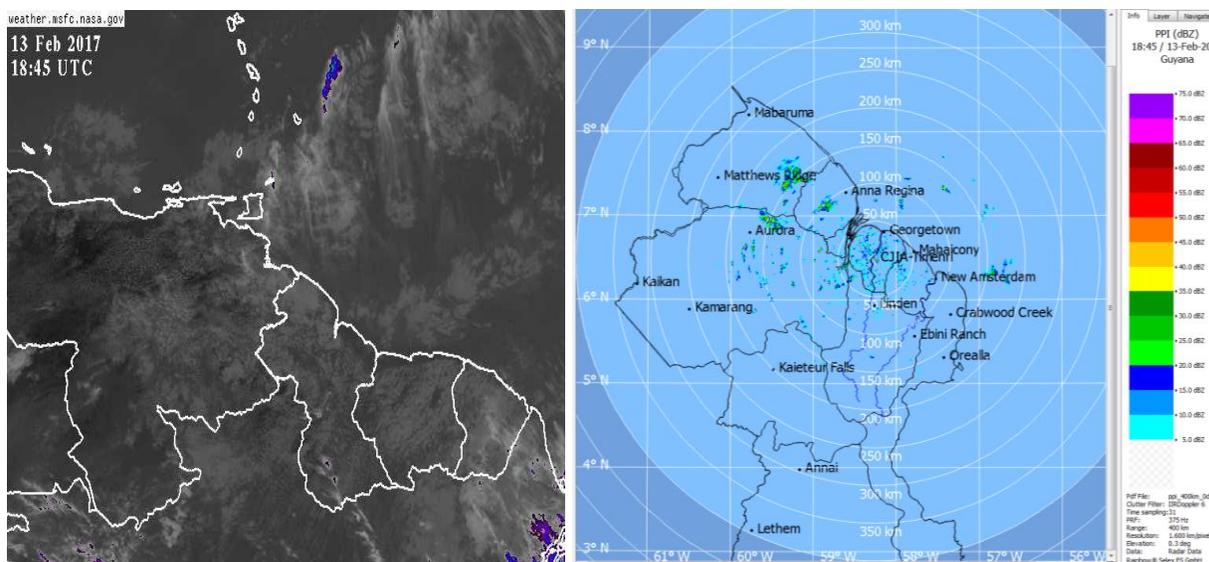
Synopsis: Ridge of high Pressure is the dominant feature affecting Guyana. Weak instabilities gave rise to few weak to moderate convection.

Today's weather review: Mostly sunny skies were observed throughout Guyana with few passing showers.

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

Monday February 13, 2017 (19:00 hrs – 07:00 hrs)			Tuesday February 14, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions		Regions	Weather Conditions	
Regions 1 to 10	 No significant rainfall expected	Fair to partly cloudy skies will be observed throughout Guyana with chance of isolated showers in the late evening into early morning. Winds: Mostly breezy to light Minimum temperatures: Coast: 23 °C – 26°C Hinterland: 22 °C – 24 °C	Regions 1 to 10	 No significant rainfall is expected	Partly cloudy and sunny skies will be observed throughout Guyana with isolated showers. Winds: Generally Breezy to windy Maximum temperatures: Coast: 30 °C – 32°C Hinterland: 32 °C – 34 °C

The long-term daily average rainfall for Georgetown, for the next 10 days, February 13 to February 22, 2017 is 4.1 mm per day.



Infra-red Satellite image valid 18:45 UTC (14:45 hrs) Monday February 13, 2017

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

Warnings: **CITIZENS ARE ADVISED THAT ABOVE NORMAL HIGH TIDE ADVISORY IS IN EFFECT UNTIL MONDAY JANUARY 16, 2017. RESIDENTS OF LOW LYING, RIVERINE, AND FLOOD PRONE AREAS ARE ADVISED TO TAKE NECESSARY PRECAUTIONS AGAINST POSSIBLE FLOODING.**

Tonight (February 13, 2017)	Tomorrow Morning (February 14, 2017)	Tomorrow Afternoon (February 14, 2017)	
Low Tide 23:56 hrs Height 0.58m	High Tide 06:19 hrs Height 2.92m Above normal Low Tide 12:18 hrs Height 0.56m	High Tide 18:14 hrs Height 2.94m Above normal	
Sunrise	06:09hrs	Sunset	18:03hrs

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

Extended Forecast

Wednesday: Partly cloudy and sunny skies with brief passing showers in some areas. Rainfall is expected to range between 0.0 mm and 10.0 mm.

Thursday thru Sunday: Generally cloudy to overcast skies with occasional moderate to heavy showers, and possible rain. Rainfall is expected to range between 20.0 mm and 45.0 mm within a 24hrs period, however on Friday and rainfall totals may range between 30.0 mm to 60.0 mm.

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Seasonal Information (UPDATED) - Final La Niña Advisory

ENSO-neutral conditions have returned and are favored to continue through at least the Northern Hemisphere spring 2017.

According to the ENSO update issued on Thursday February 9, 2017, La Niña conditions are no longer present, with slightly below-average sea surface temperatures (SSTs) observed across the central equatorial Pacific and above-average SSTs increasing in the eastern Pacific Ocean. The upper-ocean heat content anomaly increased during January and was slightly positive when averaged across the eastern Pacific, a reflection of above-average temperatures at depth. Atmospheric convection remained suppressed over the central tropical Pacific and enhanced over Indonesia. The low-level easterly winds were slightly enhanced over the western tropical Pacific, and upper-level westerly winds were near average. Overall, the ocean and atmosphere system is consistent with ENSO-neutral conditions.

Given the current atmospheric and oceanic conditions, along with a few dynamical model forecasts, an onset of weak El Niño conditions is likely by Northern Hemisphere spring (March-May 2017). Because of typically high uncertainty in forecasts made at this time of the year for the upcoming spring and summer, and the lingering La Niña-like tropical convection patterns, the forecaster consensus favours ENSO-neutral during the spring with a ~60% chance. Thereafter, there are increasing odds for El Niño toward the second half of 2017 (~50% chance in September-November). In summary, ENSO-neutral conditions have returned and are favoured to continue through at least the Northern Hemisphere spring 2017. The latest CARICOF forecasts suggest that there is equal probability of above normal, normal and below weather conditions being experienced over Guyana during the next three months.

Surface analysis shows that the ITCZ is oscillating south of the equator and the subtropical High pressure is very strong. These and other dynamic and thermodynamic features in the atmosphere have signaled that the first dry season of Northern Guyana for the year is has started, while Southern Guyana continues in its only dry season. Considering the present conditions and forecast conditions, Guyana is likely to experience below normal to normal weather conditions during the next three months. Please note that the dry season does not imply the absence of precipitation, but a reduction of precipitation.

Update in the bulletin is provided daily by the Hydromet Service: www.hydromet.gov.gy
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