



Trinidad & Tobago Meteorological Service

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F 750-03-20

**Five-Day Weather
Forecast
Page 1 of 2**

Five-Day Weather Forecast for the Period:

[Day 21st to Day 25th (December), (2024)]

DATE: 20/12/2024

ISSUANCE TIME: 10:48am

Brief Synopsis

Today, Friday (20th), moisture advection in patches continue across Trinidad and Tobago and the remainder of the Lesser Antilles. Brief light to moderate showers are likely to interrupt fair conditions in some areas.

Areas of Interest to Trinidad and Tobago and the Lesser Antilles

There are no areas of interest (for cyclonic development) to the east of the Lesser Antilles at this time.

The 2024 North Atlantic Hurricane Season officially ended on Saturday, 30th November. The rainy season is still ongoing.

With a long and mostly straight fetch across the tropical Atlantic, the surface-to-near-surface wind flow is expected to continue to be moderate and steady, bringing patches of moisture towards the Lesser Antilles. As the subtropical frontal systems pass to the near north of the Lesser Antilles, moving generally west to east, this is likely to introduce weak perturbations in the tropical wind field as it moves east to west.

There is a plume of high-concentration Saharan dust across the Atlantic from the African continent to the mid-Atlantic, and it is propagating westward. Some settling and fading is expected to continue as it nears the Lesser Antilles, but while the highest concentrations are not expected to reach Trinidad and Tobago, there is still likely to be a noticeable increase in the dust concentrations.

Synopsis and 5-day outlook

For most of the outlook period, the Lesser Antilles is expected to be in a ridge, with Trinidad and Tobago and the Windward Islands at the southern edge. There are likely to be varying areas of surface wind convergence and patches of moisture advection across the island chain.

Generally fair days being interrupted at times by periods of mixed conditions producing a few showers in varying areas. A low to medium chance remains for a heavy shower or thunderstorm, especially near hilly areas and during the pre-dawn hours or the afternoons.

As cooler air encroaches on the tropics, there is likely to be noticeably cooler air temperatures during the pre-dawn hours.



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Key Features

- **Saturday (21st)**

A relative increase in moisture and convergence over Trinidad and Tobago, the Windward Islands, and the southern Leeward Islands, influenced by a frontal system to the west-northwest over the eastern Greater Antilles. This is expected to cause partly cloudy periods producing light to moderate showers during the pre-dawn and early morning hours, with a medium chance for an isolated heavy shower or a thunderstorm to develop. As the morning progresses into the afternoon, conditions are likely to become mostly fair but with brief showers in a few areas and a low chance for an isolated heavy shower, favoring hilly areas during the afternoon.

- **Sunday (22nd)**

Generally fair conditions in a ridge over Trinidad and Tobago and the Lesser Antilles are expected. Brief showers in a few areas, with the chance of an isolated heavy shower over the northern Leeward Islands during the early morning and early afternoon, is likely. There is a low to medium chance for a moderate to heavy shower to favor hilly areas during the afternoon.

- **Monday (23rd)**

Generally fair conditions are expected over Trinidad and Tobago and the Lesser Antilles. Varying surface convergence and patches of moisture advection are likely to produce brief showers in a few areas. There is a medium chance for an isolated thunderstorm to develop in the eastern and southeastern offshore areas of Trinidad and a low chance for a heavy shower near hilly areas during the afternoon.

- **Tuesday (24th)**

Generally fair conditions are expected over Trinidad and Tobago and the Lesser Antilles. Varying surface convergence and patches of moisture advection are likely to produce brief showers over varying areas. There is still a low chance for an isolated heavy shower near hilly areas during the afternoon.

- **Wednesday (25th)**

Generally fair conditions are expected over Trinidad and Tobago and the Lesser Antilles. A weak perturbation over Trinidad and Tobago and the Windward Islands is likely to produce partly cloudy patches with a few showers during the pre-dawn and early morning. There is a medium chance for an isolated moderate to heavy shower to develop near hilly areas during the late morning to afternoon.



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Page 2 of 2**

With the occurrence of any heavy shower winds can become gusty, with strong downdraughts possible.

In the event of thunderstorm activity, be mindful of lightning discharges. Street or flash flooding is very likely in the vicinity of showers.

Precipitation over elevated terrain raises the risk of landslips or landslides.

Downdraughts from heavy showers or thunderstorms can also cause choppy seas in the vicinity.

Dust Concentrations

At present, there is a mild to moderate concentration of dust in the atmosphere, becoming mostly moderate, occasionally high, by tomorrow, Saturday (21st), and is expected to continue to be so for the remainder of this outlook period.

The Trinidad and Tobago Meteorological Service continues to analyse and monitor all developments within the area of interest.

ISSUED BY: Gary Benjamin, Meteorological Forecaster