



**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 8th to Day 12th (October), (2024)]

DATE: 07/10/2024

ISSUANCE TIME: 12:26pm

Brief Synopsis

Today Monday (07th), the Lesser Antilles is presently situated on the western side of a ridge jutting in between Hurricane Leslie, which is to the east-northeast of the island chain. This is allowing the air flow to be drawn from the southeast to south-southeast over the Windward Islands, and the south-southeast to south over the leeward islands, and eventually into Hurricane Kirk to the far north-northeast. Together with patches of moisture advection, this configuration will facilitate the development of light to moderate showers, interrupting fair periods in varying areas, and a medium chance for an isolated heavy shower or thunderstorm.

Trinidad and Tobago is expected to be mostly fair and sunny at first, but with light winds, together with some available moisture and heating, there is a medium to high chance for the development of isolated heavy showers or a thunderstorm during the afternoon.

This morning, the centre of hurricane Leslie has been located near 41W in the central equatorial Atlantic. At its present forecast track, hurricane Leslie is expected to continue towards the northeast and a reduction in strength is likely over the next 24 to 48 hours. This cyclone poses no direct threat to Trinidad and Tobago at this time.

The axis of a tropical wave is presently located near 29W in the far eastern tropical Atlantic and is moving towards the west at approximately 5 to 10 kt.

By Wednesday (09th) into Thursday (10th), another area showing moderate to high vorticity is expected to leave the African west coast into the tropical Atlantic. While very preliminary analysis is showing that this system is not likely to continue across the Atlantic, the TTMS will continue to monitor this system and other developments within the area of interest.

Over this outlook period, a mixture of equatorial moisture advection, surface convergence and relatively weak perturbations, together with heating, local dynamics and topography influences, will be the cause factors for the weather conditions and the influences for convective activity and precipitation. There will be the potential for a few, moderate to heavy, showers in some areas, and the chance for thunderstorm activity.



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Five-day Weather Forecast Page 2 of 2

Key Features

Tuesday (08th)

During the morning, moisture advection and low level convergence from the southeast is expected to produce some partly cloudy to at times cloudy conditions, with a few light to moderate showers and a medium to high chance for the development of isolated thunderstorms. Conditions are expected to abate by early evening, but with a lingering shower in some areas.

Wednesday (09th)

A low level perturbation is expected to increase the moisture convergence across Trinidad and Tobago and the Windward Islands from early morning through the afternoon. Cloudy periods are expected with showers over varying areas and a high chance for thunderstorm activity. Conditions are expected to abate by early evening, but with a lingering shower in some areas.

Thursday (10th)

The southern extremities of a ridge is likely to be positioned over Trinidad and Tobago and the Windward Islands. Low level convergence with equatorial moisture advection is likely to cause partly cloudy conditions and light to moderate showers in some areas with a medium chance for a heavy shower or thunderstorm.

Friday (11th)

From late night Thursday (10th) into the early morning, another low level perturbation is likely to cause some partly cloudy periods over Trinidad and Tobago and the Windward Islands, with a high chance for thunderstorm activity to favour Tobago, eastern to south-eastern Trinidad, and near eastern to southern offshore areas. A fair period is likely during the late morning, but as low level convergence is expected to increase during the afternoon, partly cloudy to cloudy periods can be expected during the afternoon to evening, producing a few light to moderate showers with a medium to high chance for thunderstorm activity.

Saturday (12th)

Continuing low level convergence together with equatorial moisture advection is expected to produce partly cloudy conditions, interrupting fair periods with light to moderate showers in varying areas and a medium to high chance for the development of isolated heavy showers or thunderstorms.



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Page 2 of 2**

With the occurrence of any heavy shower or thunderstorm 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.

Mostly mild dust concentration in the atmosphere until Tuesday (08th) when the concentration is expected to begin gradually increasing too mild to moderate. From Thursday (10th), dust concentrations is likely to increase to moderate to occasionally mild over Trinidad and moderate to high over Tobago and north Trinidad.

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

ISSUED BY: Gary Benjamin, Meteorological Forecaster