



## Trinidad & Tobago Meteorological Service

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F 750-03-20

**Five-Day Weather  
Forecast**  
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### Five-Day Weather Forecast for the Period:

[Day 13<sup>th</sup> to Day 17<sup>th</sup> (July), (2024)]

DATE: 12/07/2024

ISSUANCE TIME: 11:20am

#### Brief Synopsis

The weather conditions today (Friday 12th July 2024), across Trinidad and Tobago and the Lesser Antilles, are as a result of the passing of a tropical wave. Present conditions are cloudy with light to moderate showers or rain in varying areas, and a few isolated heavy showers or thunderstorms in some areas. These conditions have been forecast to continue until evening when some abatement can be expected, but with lingering showers in a few areas.

The axis of a perturbation (trough) is located near 40W moving westward and is expected to reach the lesser Antilles by Sunday (14<sup>th</sup>) evening or early Monday (15<sup>th</sup>) morning.

The axis of another tropical wave in the eastern Atlantic tropical is now near 32W. This wave is likely to reach the Lesser Antilles by Tuesday (16th).

#### Key Features

- Saturday (13th July), because of a combination of trailing convergence after the recent wave, and low level convergence increase at the southern extremities of intruding high pressure, there is likely to be partly cloudy to cloudy periods, across the Windward Islands, with a few brief showers, and a medium to high chance for thunderstorm development, favouring Trinidad during the afternoon.
- Sunday (14th) is expected to be a relatively fairer day over Trinidad and Tobago and the Windward Islands, but with some heating, a moist atmosphere and local topography, there remains a low chance for an isolated heavy shower or thunderstorm during the afternoon. The effects of the then passing perturbation are expected to be experienced mainly across northern Windward Islands and southern Leeward Islands, with partly cloudy to cloudy periods producing light to moderate showers and a medium chance for a heavy shower or thunderstorm, during the evening and night.



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- Monday (15th July) similar conditions across the Lesser Antilles as Sunday (14th) is likely. During the morning, over Trinidad and Tobago and the Windward Islands, conditions are expected to be mostly fair. As the day progresses towards late morning and into the afternoon, some heating and equatorial moisture advection from the southeast, is likely to interact with the local topography and give a moderate chance for the development of an isolated heavy shower or thunderstorm, favouring Trinidad and near hilly areas of Tobago.
- Tuesday (16th July) partly cloudy to cloudy periods are most likely over the Southern Windward Islands and the northern Leeward Islands. Moderate to high chance for a heavy shower or thunderstorm activity over the northern Leeward Islands. Medium chance for an isolated heavy shower or thunderstorm over Trinidad and Tobago and the southern Windward Islands.
- Wednesday (17th) as high pressure begin to intrude over the Leeward Islands, convergence across Trinidad and Tobago and the Windward Islands is likely to increase. With advection of equatorial moisture from the southeast, conditions can become partly cloudy to cloudy, interrupting fair periods, with light to moderate showers in varying areas. There is a low to medium chance for an isolated heavy shower or thunderstorm to develop, mainly near hilly areas or during the afternoon.
- With the occurrence of any heavy shower or thunderstorm winds can become gusty and street or flash flooding is likely. Precipitation over elevated areas raises the risk of landslips or landslides.
- The wind in the mid-levels is likely to be generally moderate and is expected to increase in strength at times, especially on Saturday (13th July) and Sunday (14th). With the right conditions, it is possible for this to sometimes translate downward to the surface, and produce breezy to windy conditions, and gustiness, especially in the event of showers or in elevated areas.
- Mild to moderate concentration of Saharan dust in the atmosphere over Trinidad and Tobago at present. This is expected to increase to a moderate to high concentration by tomorrow (Saturday 13th July) afternoon. It becomes mostly moderate by Sunday (14th) morning. On Monday (15th) morning, the concentration becomes mostly mild, occasionally moderate, for the remainder of this outlook period.



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

**ISSUED BY: Gary Benjamin, Meteorological Forecaster**