

Five-Day Weather Forecast for the Period:

9th - 13th May 2025

DATE: 05/05/2025

ISSUANCE TIME: 12:00pm

Brief Synopsis
<p>Synopsis and 5-day outlook</p> <p>Varying surface convergence and equatorial moisture advection across Trinidad and Tobago and the southern Windward islands is likely to produce periods of cloudiness, with showers over varying areas at times and medium to high probabilities a heavy shower or thunderstorm activity, mainly from late Friday (09th) into Saturday (10th), and a low to medium probability for an isolated heavy shower or thunderstorm on Monday (12th) and Tuesday (13th).</p> <p>Varying intensities of surface convergence and areas of moisture advection across the Leeward and northern Windward islands are expected to produce partly cloudy periods, becoming cloudy in a few areas, with some light or moderate showers, and a medium chance for an isolated heavy shower to develop mainly near hilly areas.</p>



Trinidad & Tobago Meteorological Service

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The 5 Day Outlook Period

- **Friday (09th)**

Trinidad and Tobago and the Windward islands: Initially fair becoming partly cloudy to cloudy by late morning into afternoon, with light to moderate showers over varying areas and a medium to high chance for thunderstorm activity favouring Trinidad. A mostly fair late afternoon and evening but as late night approaches there is likely to be cloudiness and showers with a medium to high chance for thunderstorm activity. The Leeward islands: Fair, becoming partly cloudy in some areas, with brief light or moderate showers, mainly near hilly areas, and a low chance for an isolated heavy shower.

- **Saturday (10th)**

Trinidad and Tobago and the Windward islands: Partly cloudy to cloudy from overnight until early afternoon, with light to moderate showers over varying areas and a medium to high chance for thunderstorm activity over Trinidad and Tobago. The Leeward islands: Fair, becoming partly cloudy in some areas, with light or moderate showers, mainly near hilly areas, and a low chance for an isolated heavy shower.

- **Sunday (11th)**

Trinidad and Tobago and the southern Windward islands: Generally fair, becoming partly cloudy during the afternoon, with brief showers over a few areas. The Leeward islands: Partly cloudy, with light or moderate showers, over varying areas. There is a medium chance for isolated heavy showers, mainly near hilly areas.

- **Monday (12th)**

Trinidad and Tobago: Initially fair on land from early morning, but with the approach of cloudiness and a few heavy showers or thunderstorms to the near south-east, it is expected that eventually partly cloudy conditions with showers, would develop over land during the morning. There is a medium chance for an isolated thunderstorm over Trinidad and a low chance for an isolated heavy shower or thunderstorm over or to the near south-east of Tobago. The remainder of the Lesser Antilles: Partly cloudy to cloudy conditions with light to moderate showers over varying areas. There is a medium chance for isolated heavy showers or a thunderstorm to favour the southern Leeward islands.



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- **Tuesday (13th)**

Trinidad and Tobago: From early morning to mid-afternoon, as equatorial moisture and convergence continue to approach from the south-east, expect partly cloudy to cloudy periods, with light to moderate showers over varying areas, and a medium chance for the development of an isolated heavy shower or thunderstorm. The remainder of the Lesser Antilles: Partly cloudy to cloudy conditions with light to moderate showers over varying areas. There is a medium chance for isolated heavy showers or a thunderstorm to favour the southern Leeward islands.

Areas of Interest to Trinidad and Tobago and the Lesser Antilles:

The centre of the high pressure cell in the central sub-tropical Atlantic is beginning to situate relatively further north, its ridge across the tropical Atlantic remains relatively weaker at this time.

A trough across the Leeward islands, influenced by an area of low pressure to the north-northeast, is expected to provide increased surface convergence and moisture advection over the Leeward and northern Windward islands during this outlook period.

There is expected to be increased equatorial moisture advection and surface convergence across Trinidad and Tobago and the southern Windward islands during this outlook period, which is expected to facilitate a medium to high probabilities for a heavy shower, or thunderstorm activity, late Friday (09th) into Saturday (10th), and a low to medium probability for an isolated heavy shower or thunderstorm on Monday (12th) and Tuesday (13th).

Looking beyond this outlook period: Extended analysis is indicating a continuation and an increase in periods of equatorial moisture advection during the seven (7) days following the outlook period. There is a possibility for the ITCZ to make a brief appearance at the latitude of Trinidad and Tobago between Friday (16th) and Sunday (18th), which is expected to produce cloudy periods with showers and medium to high probabilities for thunderstorm activity.

Seas: The wind waves in the open waters to the near east and northeast of Trinidad and Tobago are expected to be near 1.5m until Saturday (10th) after which there is expected to be a rise in height to between 1.5m to 2.0m for the remainder of the outlook period.



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Extended analysis is indicating an increase in the wind wave heights to between 2.0m and 2.5m during the seven (7) days following this outlook period.

Wind: The near surface to the mid-level wind over Trinidad and Tobago and the Windward Islands is expected to be 10kt to 15kt at 2000ft to 5000ft, until Friday (09th), after which there is expected to be an increase in the speed to 15kt to 20kt.

Extended analysis for the following seven (7) days after this outlook period is indicating a noticeable increase in this wind speed to 20kt to 25kt, and it is possible to increase to near 30kt at times.

Dust: The dust concentration in the atmosphere is expected to remain mild occasionally moderate for most of this outlook period until Monday (12th) when there is likely to be an increase to generally moderate.

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

ISSUED BY: Gary Benjamin, Meteorological Forecaster