

Five-Day Weather Forecast for the Period:

18th – 22nd April 2025

DATE: 14/04/2025

ISSUANCE TIME: 11:30am

Brief Synopsis
<p>Synopsis and 5-day outlook</p> <p>For this outlook period, generally fair, hazy, and at times breezy to windy conditions are expected across Trinidad and Tobago, the Windward and southern Leeward islands, until Monday (21st) and Tuesday (22nd) when convergence and instability are expected to increase the chances for heavy showers or even thunderstorm activity. Friday (18th) and Saturday (19th) over the northern Leeward islands conditions are expected to be partly cloudy to cloudy with showers and the chance for thunderstorms.</p>



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Key Features

- **Friday (18th)**

Trinidad and Tobago, the windward and southern Leeward islands are expected to be mostly fair hazy and breezy with a few brief showers in some areas, and the chance for a moderate shower near hilly areas. The extreme northern Leeward islands: Partly cloudy to cloudy periods with light to moderate showers and a medium to high chance for a heavy shower or isolated thunderstorm.

- **Saturday (19th)**

Trinidad and Tobago: Fair conditions interrupted by moisture convergence producing a few partly cloudy periods during the late morning and afternoon, with the chance for a few light to moderate showers. The remainder of the Lesser Antilles: Fair, hazy, and at times breezy conditions with the chance for brief showers mainly near hilly areas. The northern Leeward islands are expected to be partly cloudy to cloudy with light to moderate showers and a medium chance for isolated heavy showers or an isolated thunderstorm.

- **Sunday (20th)**

Trinidad and Tobago: Fair conditions interrupted by moisture convergence producing a few partly cloudy periods during the late morning and afternoon, with the chance for a few light to moderate showers. The Windward islands: Fair, hazy, and at times breezy conditions with the chance for brief showers mainly near hilly areas. The Leeward islands are expected to be partly cloudy to cloudy with light to moderate showers and a medium chance for isolated heavy showers or an isolated thunderstorm.

- **Monday (21st)**

Unstable conditions across Trinidad and Tobago, the Windward and the southern Leeward islands. Fair conditions interrupted by partly cloudy patches with a few light or moderate over varying areas, favouring hilly terrain. There is a low to medium chance for an isolated heavy shower. Mostly fair in the northern Leeward islands. Winds are expected to be coming mainly from the north over the entire island chain.

- **Tuesday (22nd)**

Increasing instability over Trinidad and Tobago and the windward islands is likely to produce a few partly cloudy periods, with light to moderate showers in some areas. During the late morning to afternoon there is a medium to high chance for a heavy shower, and a medium chance for thunderstorm activity mainly over hilly areas and foothills of north to central Trinidad. The leeward islands are likely to be mostly fair with



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a few brief showers. Winds are expected to be coming mainly from the north to north-east over the entire island chain.

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

The north Atlantic sub-tropical high pressure areas are being dissected by a passing frontal system to the north and north-northwest of the Lesser Antilles. This formation is inducing perturbations and convergence across the tropical easterly wind flow, especially across the Leeward islands during this outlook period.

Analysis of a sharp trough to the near north-northeast of the Leeward islands is indicating developing vorticity, and by late Sunday (20th) into Monday (21st) could develop further into an area of low pressure with marked cyclonic turning. By late Monday (21st) into Tuesday (22nd) convergent inflow into that area is likely to produce increased moisture convergence and instability across Trinidad and Tobago and the Windward islands.

Looking beyond this outlook period: Extended analysis at this time is indicating that, at least for Wednesday (23rd) and Thursday (24th), as the area of low pressure weakens, a trough extending across the Trinidad and Tobago, the Windward and southern Leeward islands, is likely to continue to produce convergence, weakening and drifting further northward to across the Leeward islands by Friday (25th).

Seas: The wind waves in the open waters to the near east and northeast of Trinidad and Tobago are expected to be between 2.0m and 2.5m during Friday (18th) to Sunday (20th), after which there is likely to be a reduction to between 1.5m to 2.0m. At this time extended analysis is indicating that the wind waves are likely to continue to be between 1.5m and 2.0m for at least the next 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 mostly moderate until Sunday (20th) when it is likely to become generally light and variable for the remainder of this outlook period. Initial analysis beyond this outlook period indicated that the mid-level wind is likely to be light to normal.

Dust: Generally mild occasionally moderate concentration of Saharan dust in the atmosphere at present. An increase to mostly moderate with brief fluctuations to high concentrations is expected from Sunday (20th) for the remainder of this outlook period.

Persons sensitive to the changes in the air quality are advised to take the necessary precautions.



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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