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TITLE: Wind Trends in the Caribbean using *in-situ* data

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Changes in the wind climate may have potential impacts on situations such as the accumulation of air pollution in basins, studies on the potential availability of wind energy, and the development of building codes in extreme wind conditions. In this study, the primary aim is to investigate whether there are non-stationarities in the wind climate in the Caribbean region. This study analyzes the trends in annual and seasonal mean wind speed, the number of windy days, moderately windy days and low wind speed days using in situ land-based meteorological data over a 29 year period from 1979 - 2007. The analysis is performed using the Mann-Kendall non-parametric test, to check for a presence or absence of trend, as well as the linear regression method.