

1.186 Trends in photochemical pollution in Central Chile.

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Abstract:

In this work, we assess in situ air quality data collected by environmental authorities in Central Chile, focusing on ozone and its precursors. Further, we calculate long-term trends (decadal) in average and maximum values. In lack of an adequate hydrocarbon characterization, we use satellite observations to identify NO_x-limited versus NO_x-saturated ozone formation regimes under current conditions. Recommendations regarding air quality collection and curbing measures to address ozone pollution are outlined.