

## STRATOSPHERIC OZONE TRENDS OVER THE TROPICS

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### ABSTRACT

The study of the variability and seasonality of ozone over the tropics was carried out between the regions spreading from Latitude 30° South to 30° North. The region was divided into twelve zones of 5° latitudes each, that is, Latitude 0-5° South, 0-5° North, 5- 10°South and 5- 10° North etc. Secondary data from satellite for each zone was studied both individually and collectively for the period of 1997 to 1999. The results of the statistical analysis indicated that there was seasonality in time of occurrence of maximum and minimum ozone concentration in the tropics. In the northern zones where Nigeria fell, the period of maximum concentration appeared to coincide with the raining season while the minimum with the dry season. The variability of ozone was found to be higher in the high tropical latitudes than around the equator.

**Keywords:** Tropics ozone, variability , and seasonality