

TRENDS OF TOTAL OZONE AS DERIVED FROM SATELLITE AND GROUND BASED MEASUREMENTS

The ozone profiles over four Indian Stations viz. New Delhi (28°40'N, 77°13'E), Kolkata (22°38'N, 88°26'E), Hyderabad (17°22'N, 78°28'E) and Kodaikanal (10°13'N, 77°28'E) have been examined. A distinct latitudinal fall of ozone is noted. In the analysis the low and high ozone days are taken as the days with ozone values lower than or greater than 10% of the station's average. From this consideration increasing frequency rates in low ozone days for all stations are observed, especially in higher latitudinal station like New Delhi and Kolkata. Different parameters which are responsible for influencing the stratospheric ozone when considered critically exhibits interesting results which we have also presented in this paper.
