

Balloon Observation of Stratospheric Aerosols over the Antarctic and Tropics

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Size distribution of stratospheric aerosols over the Arctic (Eureka, Canada) and tropics (Bandong, Watokosek, Indonesia) have been observed for five years by balloon-borne optical particle counter to investigate the global processes of production and loss of aerosol particulates. The number density of particulates of every sizes have their distinct height profiles in both region. Preserving the bimodal size distribution, density of larger particulates in the stratosphere has still been decreasing year after year, which shows the effect of Pinatubo eruptions of 1991.