

THE SOLAR INFLUENCE ON THE VERTICAL PROPAGATION CONDITION OF THE ANNUAL AND SEMIANNUAL OSCILLATIONS IN THE MIDDLE ATMOSPHERE

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Using the NCEP/NCAR reanalysis data and Met Office data about temperature, zonal and meridional wind there has been carried out a research of the annual and semiannual oscillations for zonally averaged fields. Height-latitude cross sections of correlations between Wolf numbers and amplitude these harmonics, as well as vertical phase shift were obtained. The analyzes shows that the tropospheric, stratospheric and lower mesospheric correlations are different between periods maximum and minimum solar activity. Such researches has been carried out for MLT region using the Kazan (56 N, 49 E) meteor radar data about zonal and meridional wind.

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