

Effects of Solar Drivers on the Stratospheric Dynamics

BOIAN KIROV

Solar-Terrestrial Influences Laboratory

Solar effects are strong in the upper and upper/middle atmosphere while going down they weaken, and are questionable in the middle and lower stratosphere. Here we study the effect of different solar drivers on the dynamics of the stratosphere. We demonstrate that the effect depends on the type of the driver (solar flares, ejecta, or high speed solar wind from coronal holes), and on the phase of the quasibiennial oscillation.