



Near-space influences on the meteorological parameters in Istanbul area

A. Ozguc (1), G. Pekmezci (1)

(1) B.U. Kandilli Observatory and E.R.I., Çengelköy, Istanbul, 34684, Turkey
[ozguc@boun.edu.tr]

The surrounding space around the planet Earth has a very big significance for influencing the meteorological conditions. It is thought that the main sprung-from-this-region factor affecting the climate is the Sun's own, and the rest consists of cosmic rays, planetary and interplanetary magnetic fields which exhibit a correlated or anti-correlated way of behaviour with solar cycles. The coherencies between space indices and some meteorological phenomena which have not been studied commonly in the case like wind velocity and atmospheric pressure and usual factors like precipitation and air temperature are investigated. The meteorological data are supplied from the Meteorology Laboratory of Kandilli Observatory, Istanbul, TR; thus the study is valid for the surrounding location.