## SOLAR WIND VELOCITY AND

## DAILY VARIATION OF COSMIC RAYS

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## **ABSTRACT**

Recently parameters applicable to the solar wind and the interplanetary magnetic field (IMF) have become much better defined (King, 1981). Superior quality of data bases that are now available, particularly for post-1971 period, make it possible to believe the long-term trends in the data. These data are correlated with the secular changes observed in the diurnal variation parameters obtained from neutron monitor data at Deep River and underground muon telescope data at Embudo (30 MWE) and Socorro (82 MWE). The annual mean amplitudes appear to have large values during the epochs of high speed solar wind streams. Our results are discussed.

King, J. H., 1981. J. Geophys. Res., 86, 4828.