



Variability of the T geoelectric activity index

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Geomagnetically induced electric field has been measured at the Széchenyi István Geophysical Observatory of the Hungarian Academy of Sciences since 1957. The three-hour geoelectric activity index T for the E_x and E_y component have a linear scale with a step of 1.8 mV/km. The range of values is 0 to 9. These exceptionally long time series covers nearly five solar cycles. The analysis of T opens several questions in particular on the link between the solar activity and the terrestrial environment.