

The application of wavelet analysis made it possible to distinguish pronounced periodicities of the geomagnetic field with periods of 27, 13.5, 9, 6 days. In solar quiet-day variations ...

Abstract The annual mean (Sq0), annual (Sq1), and semiannual (Sq2) components of the monthly averaged daily amplitude of the geomagnetic Y component during quiet period over several solar ...

We investigated observational data from 20 geomagnetic observatories at longitudes of 130°E to 150°E between 2009 and 2012 in order to detect possible anomalous changes in the geomagnetic solar ...

The G5-level geomagnetic storm of May 2024 was the most intense since the 2003 Halloween storm, marking the strongest event of Solar Cycle 25. This extreme event was triggered by ...

Ionosphere has important influences on the performances of Global Navigation Satellite System (GNSS) in terms of signal quality and ranging errors. This study discusses the impact of ...

Abstract. This study investigated the relationship between geomagnetic indices (Ap and DST) and solar activity with non-metric multidimensional scaling (NMDS) and the novel LSTM+ ...

To find the simultaneous influence of both solar and geomagnetic activities on drought indices in the Danube basin, the difference between synergistic and redundant components for each season was ...

As the current Solar Cycle (SC25) approaches its peak and solar eruptive activity intensifies, so do the space weather effects of this activity. The first severe geomagnetic storm of ...

Step into the embrace of sophistication and charm at Hocking Manor. This 10,300 square-foot brick mansion boasts floor-to-ceiling windows, plush carpeting, and exquisite Brazilian teak wood flooring. ...

In what follows we shall first provide a brief introduction to the new constellation of geomagnetic survey satellites in Section 2, followed by discussing the science and applications of the high-precision ...

The geomagnetic index AP is more closely associated with overall solar activity and solar wind parameters compared to the geomagnetic index DST. High-speed solar wind streams, enhanced ...

Bandpass filtering has also been applied. The most significant signature of the solar/geomagnetic forcing in the climate variables was obtained for the data smoothed by the ...



Geomagnetic solar container application

The vertical axis (Dimension 2) seemingly captures the nature of solar wind disturbances, with positive values associated with enhanced plasma flow speed and proton temperature, and negative values ...

?? The annual mean (Sq0), annual (Sq1), and semiannual (Sq2) components of the monthly averaged daily amplitude of the geomagnetic Y component during quiet period over several solar cycles at 25 ...



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