
PEM025-P01

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Long trend of global geomagnetic Sq field

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Spherical harmonics analysis was performed for the geomagnetic Sq field from 1980 to 2005 for every universal hour on each day. Solar activity dependence of the Sq field was confirmed, but locality was found in the long trend of the Sq field, which may be due to the locality of the geomagnetic main field or the ionosphere.

More detailed features of the long trend of the Sq field will be discussed in the presentation.

Keywords: geomagnetism, daily variation, equivalent current system, solar activity, long trend