

## Variation of the global geomagnetic Sq field from 1980 to 1990

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Variation of the geomagnetic Sq field was examined from the global equivalent Sq current system in 1980-1990. It was found that intensity of the current vortex in 1985 is about half of that in 1980 or 1990. Seasonal variation of the intensity is similar for both solar maximum and minimum years. However, semi-annual variation of the total current is clear in 1980, but not in 1985. The vortex center of the Sq current vortex in the winter hemisphere is situated afternoon sides of that in the summer hemisphere for all years especially at 02h UT, and this tendency exists at almost all UT except for 08UT.

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