

Long-term variation of geomagnetic transfer function in Japan

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Time variation of geomagnetic transfer function in Japan was studied for long period of since 1985. Most of the long-term variation is common at most observatories, and some of them are due to the solar activity. However, different behavior of the variation was found at some observatories, which may be caused by time variation of the local conductivity structure in the earth.

Keywords: geomagnetism, transfer function, long-term variation, induced current, locality