

MGI015-10

Room: Exibition hall 7 subroom 2 $\,$

Time: May 24 16:15-16:30

Analysis of geomagnetic variations by new functions of the Solar Terrestrial Analysis and Reference System (STARS) [1]

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Solar-Terrestrial data Analysis and Reference System (STARS) is the system which realizes the crossover search and integrated analyses of ground-based and satellites observations of solar-terrestrial physics. We have implemented new functions concerning geomagnetic data handling and plotting. New functions consist of some pre-processing functions, user-friendly Graphical User Interface (GUI) and well organized plotting functions, for an example, time-shifted overlay plotting. As an example of the usefulness of the new functions, we show the applying process of the functions to geomagnetic data and preliminary results of our analysis of day-to-day geomagnetic variation.

[Acknowledgements]

The results presented in this paper rely on data collected at magnetic observatories. We thank the national institutes that support them and INTERMAGNET for promoting high standards of magnetic observatory practice (www.intermagnet.org).

We thank the World Data Center for Geomagnetism, Kyoto for providing 1-minute digital data from many observatories. We thank the national institutes that support the observatories.

Keywords: geomagnetic variation, day-to-day variation, detection of disturbances, quiet daily variation, time-shift, STARS