

RUSSIAN-UKRAINIAN CENTER FOR
GEOMAGNETIC DATA RETRIEVAL AND EXCHANGE

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The Russian-Ukrainian Geomagnetic Data Center is operated by the Geophysical Center of the Russian Academy of Sciences since 2012. It serves as a core of the Russian-Ukrainian interregional segment of the INTERMAGNET network. Geomagnetic data are transmitted from 13 observatories and stations. The particular feature of the Center is the automated system for real-time recognition of artificial (anthropogenic) disturbances in incoming data. Being based on fuzzy logic approach, this quality control system facilitates the preparation of the definitive magnetograms from preliminary records carried out by data experts manually.

The collected geomagnetic data are stored using relational database management system. The geomagnetic database is intended for storing both 1-minute and 1-second data. The results of anthropogenic disturbance recognition are also stored in the database. Interactive data access is available online.