

Roman Sidorov

Education:

Geophysics department, Geology Faculty, M. V. Lomonosov Moscow State University (MSU), 2010.

Foreign languages:

English.

Main Scientific results:

Geomagnetism, magnetic observatories

- Active participant in the GC RAS activities such as deployment of the magnetic observatories and creation of INTERMAGNET Russian segment, deployment of the new Russian INTERMAGNET observatories, collaborative observatories of GC RAS and institutes of the regional departments of RAS, creation of GIN in GC RAS;
- Taking part in the deployment of observatories “Klimovskaya” and “Saint-Petersburg”.

Processing of magnetic observatories observations

- Study of the functioning of developed in GC RAS algorithm of recognition of pulse disturbance SP on the overaction magnetometers;
- Testing the method of joint processing of the magnetograms from the systems of scalar and vector magnetometers. This method is based on the local approximation models. The program of processing with graphical user interface was developed;
- A number of services for the evaluation of absolute value of magnetic variations and basic values for their calibration was developed;
- Roman Sidorov participated in the development of the informative part of the Russian-Ukrainian center of geomagnetic data web-site (<http://geomag.gcras.ru>).

Publications:

Six articles in the Russian and foreign magazines, and also fifteen abstracts of reports made at the international and all-Russian conferences were published.