

## **The Ozerki meteorite: investigation of dynamical parameters**

Anna Kartashova, Ivan Chuvashov, Alexander Golubaev, Galina Bolgova, Dmitry Glazachev, Alena Mozgova, Vladimir Efremov

In the morning of June 21 2018 (1:16 UTC) the space body entered the Earth atmosphere in the Lipetsk region. This event was detected by a number of registration systems in cars, by satellites (observations of bolide light curve and subsequent dust trail). The first estimation of the energy was 2.8 kt. Expedition to the area was organized by Institute of astronomy RAS and Institute of Dynamics of Geospheres RAS. The background star images for astrometric calibration from few places were made during the expedition. The videos, photos, satellite and expedition data allow us to calculate the coordinates, the height, the velocity and the trajectory of the Ozerki bolide. The meteorites were found in the field of study. Information about meteorites locations were collected. The found material was called Ozerki meteorite.