Catalogue GOCKU96 of positions and orbital elements of geosynchronous space objects observed in 1996

Abstract:

Catalogue GOCKU96 (Geosynchronous Object Catalogue: Kiev-Uzhgorod 1996) containing the topocentric equatorial coordinates and orbital elements of geosynchronous objects obtained by photographic observations at the Main Astronomical Observatory of the National Academy of Sciences of Ukraine in Kiev and at the Space Research Laboratory of Uzhgorod State University in 1996 is presented. The accuracy of positions is about 0.6 arcsec of the Kiev observations and 1.5 arcsec of the Uzhgorod data. Using different catalogues of orbits, the authors have identified 1630 observations of 109 objects among the total 1962 observations of 183 objects. A few objects not present in the NASA two-line elements catalogues have been detected.

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