

DATA ARCHIVE OF PULKOVO NORMAL ASTROGRAPH PLATES OBTAINED DURING 1949-1996

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The Pulkovo Normal astrograph ($D=33$ cm, $F=346$ cm) is a photographic telescope which has been operating since 1893. During its century-long operation, several tens of thousand plates have been obtained. Although most of the plates taken before the Second World War were lost in the period of 1942 to 1945, the archive contains a total of about 21 000 plates. The plate size corresponds to a $2.3^\circ \times 2.3^\circ$ sky field near equator. Each plate contains a wealth of information since under good atmospheric conditions even 1 min exposure gives images of stars as faint as 12 or 13 mag.

Many plates have been obtained with stars (2558), clusters, nebulae and stellar associations (1289), astrometric standards (1216), minor planets within the IAU program "Selected minor planets" (2634) and major planets such as Mars (503), Jupiter (457), Saturn (533) and Pluto (248; a description is given in this colloquium).

An electronic archive has been created containing information about the plates obtained after the restoration of the telescope in 1949. Each archive entry consists of 10 to 13 plate characteristics that can be used in selecting information from the archive for a particular scientific program.

The archive has a form of an IBM PC file supplied with programs for data selection. The statistics of the plates obtained by year, object type, observing program as well as the plate distribution in the sky are presented. The archive is continuously updated with new data. As of now (April 1996), the archive contains 14 070 records consisting of 65–80 bytes each.