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ABSTRACT BOOK



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Review of Catalogues in Positional Astronomy in Nikolaev

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More than 30 different catalogues of positional astronomy have been compiled in the Nikolaev Observatory since its foundation to present. The first such works were the fifth page of star map of the Berlin Academy of Sciences (K. Ch. Knorre, 1832) and Kortazzi Catalogue of equatorial zone (1900). During the 20th century more than ten catalogues of absolute right ascensions and declinations of stars have been created on the base of observations with passage instrument and vertical circle. Due to high accuracy they have become the part of fundamental catalogues FK. The unique catalog of absolute right ascensions of 531 stars has been compiled from observations during three polar nights at the Spitsbergen. Besides, about ten catalogues have been compiled by differential method in the fundamental system on the base of observations with the Repsold meridian circle. From 1931 till 1992 the high accuracy time service has made nine catalogues of right ascensions of stars, but only six of them have been published. Five special star's catalogues have been photographed with the Zone Astrograph and five long-time series observations of the Solar System bodies have been obtained during 39 years of photographic astrometry history in the Nikolaev Observatory (about 8600 plates). There have been made several thousands position determinations for the Sun, Moon and major planets with the Freiberg-Kondratiev passage instrument and the Repsold vertical circle. High accuracy catalogue of reference stars in the fields around extragalactic radio sources has been compiled with automatical meridian circle (AMC) in the end of 90th years. At present we work on the compilation of the Observatory database. We intend to include the Nikolaev catalogues, which have been compiled in different years.