

A brief history of research at the Vihorlatská hvezdárna in Humenno

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The paper summarizes the scientific and professional research carried out at the Vihorlatská hvezdárna in Humenno during the entire period of its existence. For a long time, expert astronomical observations were mainly focused on variable stars, the solar photosphere and meteor showers. Initially, visual observations were made. In all three areas, they are carried out to this day, which is important for the preservation of homogeneous observation series. Above all, in the case of variable stars, observations based on electronic detection - photoelectric photometry, CCD photometry, spectroscopy - are already developed. Practical observations form the main part of professional research. However, the workers of the Vihorlatská hvezdárna also devote themselves to theory, especially subtle effects on the light curves of eclipsing binaries. In addition, they participated in the development of unique software for online processing of photometric observations from several telescopes. The main result of scientific work is publications. Vihorlatská hvezdárna workers are the authors or co-authors of 130 works that can be found through ADS. In most cases, it is a co-authorship based on the provision of photometric data.

In recent years, the research carried out mainly at the Astronomical Observatory on the Colony Saddle has diversified considerably. Several scientific institutions installed their experiments here using the infrastructural facilities of the observatory.

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