

Short talk

THE GOLOSIIV PLATE ARCHIVE CREATION AS AN ELEMENT OF UKRAINIAN VIRTUAL OBSERVATORY. FIRST STEPS

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The preservation of the unique information kept on astronomical plates in digital form can't be achieved only by simple transformation to digital form and keeping on electronic data medium. There are several problems on this way: how to store large volume of digital archive data; how to select right method for plate digitization and criteria for data verification, to be sure original information stored on plate is preserved. The problem with linking of plate images and observation log-books data, considering different formats and errors for different instruments, should be resolved as well.

The main goal of digital archive creation, as element of virtual observatory, is to provide such information easily accessible for researchers in digital format.

We present the main methods and criteria of digital Golosiiv Plate Archive creation and scientific problems that may be resolved on it base.