

DIGITIZATION OF «THE ATLAS OF TERRESTRIAL GROUP PLANETS AND THEIR MOONS». ITS UPDATING OPTIONS.

At the Moscow State University for Geodesy and Cartography (MIIGAiK) the Laboratory of Planetary Cartography is recreated on the modern base ground. Now its Internet site is developed. «The Atlas of Terrestrial Group Planets and Their Moons» is chosen as a basis for the most volume section of this new site. The printing version of «Atlas» has been published in 1992 and for the last years is essentially added by the new information. The saved up data on materials of planetary surveying is collected and analyzed in it. It is necessary to underline that for the first time the Atlas information has comparative-planetologic character, reflecting also peculiar features of celestial bodies. The maps characterizing planets of terrestrial group and their moons both from the point of view of a structure of surface relief, and to various thematic properties are shown. The arrangement of materials in a cartographic part of «Atlas» is defined by distance of planets from the Sun, that is the following order of map representation is accepted: Mercury, Venus, the Earth, the Moon, Mars, Phobos and Deimos. Creation of Internet version for «The Atlas of Terrestrial Group Planets and Their Moons» was developed on the basis of a content management system MODx. It is necessary to translate all images and maps in the digital form. Now search of the most suitable appendices and methods for transformation of images in an electronic kind is carried out. It is necessary to scan not simply a problem available materials, but also to spend their restoration and updating taking into account last data received as a result of space researches. The atlas consists of twelve sections. It includes along with the basic, cartographic part containing maps, schemes, diagrams, tables also the text part giving the short characteristic of each section, and the appendix with help tables.

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