



Investigations of Moon Polar Regions from Luna-Resource and Luna-Glob Landers - Science Instruments and Operational Plan on Surface

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Scientific goals for Landers of Luna-Resource and Luna-Glob missions will be presented. Both project aimed on search for volatiles and water ice in upper layer of regolith, study structure and content of regolith and investigate of moon's surface exosphere in lunar polar regions. Science devices for payload, which were selected in accordance to the main goals of these missions, will be described. Criteria for potential landing sites selection will be considered: from engineering suitability (flatness and roughness of surface, radio visibility, solar irradiation and so on) and from scientific applicability for these missions. The detailed plan of surface operations during first moon day will be presented and preliminary plans for sunset and for second and others days will be discussed.