

Geology of lunar polar region revealed by LISM on KAGUYA - initial results -

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The lunar polar region is thermally stable and permanently shadowed areas (PSAs) are candidate reservoirs of volatile elements on the Moon. The analysis of the morphology of the lunar polar region is the primary target for lunar explorations. On the SELENE (Kaguya), three optical instruments Terrain Camera (TC), Multiband-imager (MI), and Spectral profiler (SP) are loaded. Since November 19 and December 20, 2007, LISM has acquired data for polar region. We introduce the LISM initial results of investigation for the lunar polar region in this presentation.