

Kilometer scale roughness of Lunar surface

Yasuhiro Yokota[1]; Jun'ichi Haruyama[1]; Makiko Ohtake[1]; Tsuneo Matsunaga[2]; Tomokatsu Morota[1]; Chikatoshi Honda[3]; Masanao Abe[1]; Yoshiko Ogawa[2]; Hirohide Demura[4]; Naru Hirata[4]; Haruyama Jun-ichi LISM Working Group[5]

[1] ISAS/JAXA; [2] NIES; [3] ISAS; [4] Univ. of Aizu; [5] -

The lunar explorer, SELENE (KAGUYA) has three cameras for scientific observation, and they compose one system, called the Lunar Imager and SpectroMeter (LISM). The Terrain Camera (TC), one of the LISM instruments, will capture stereoscopic images of the lunar surface with a spatial resolution of 10m. The Digital Terrain Model (DTM) system for LISM TC data will provide a relative DTM for the entire lunar surface. We report some improvement of the roughness mapping method after our previous reports.