

INTEGRATION OF MULTI-INSTRUMENTAL DATA SETS OF KAGUYA, LISM AND LALT.

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Integration science based on KAGUYA and other missions requires spatial registration of different types of data sets. For example, two types of topographic data sets; Digital Terrain Model (DTM) in 10m/pixel based on stereoscopic images of Terrain Camera (TC) in the Lunar Imager/Spectrometer (LISM) and lunar surface profiles in 1km interval derived from Laser Altimeter (LALT). The former is areal data and the latter is linear one. Combining both data at certain areas provides detailed views of morphology for geological interpretations. Another two types of spectral data sets are also remarked; multiband color images and spectral profiles derived from and Spectral Profiler (SP) and Multiband Imager (MI) in LISM. This also shows the same relationship, the former is areal data and the latter is linear one. Here we report current status on our project to develop the procedures.