

Operation and Data Processing Plan of the Wide-Angle Polarimetric Camera Onboarded Danuri

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Danuri, the first Korean lunar mission orbiter, was successfully launched on August 5, 2022 at Cape Canaveral, USA. It is scheduled to enter the lunar orbit for normal operation in December 2022. PolCam operation team has confirmed that the PolCam works well after the launch campaign. The PolCam will collect polarimetric and photometric data using three passbands. The spatial resolution at the center of the image is 68 m/pixel at 100 km orbit and the polarimetry accuracy is approximately 1%p. We developed the data processing software and procedure with the Integrated System for Imagers and Spectrometers (ISIS) and SPICE Kernels. We present in detail the operation and the data handling procedure.