

A study of SELENE product visualization on WMS

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SELENE (SELEnological and ENgineering Explorer) is the first large-scale lunar observatory satellite of JAXA to be launched in summer, 2007. SELENE Operation and Analysis Center (SOAC) in Sagamihara campus of JAXA will operate SELENE and archive SELENE data. Mission instrument teams develop level 2 data processing systems to produce radiometric and geometric calibration and validation and deliver geophysical parameters. Level 2 processed data are also archived in L2 Data Base and data distribution system in SOAC. Users will retrieve and receive L2 data by using Web interface. JAXA SELENE project studies the data visualization method by using expected SELENE L2 products and the projection way to map the visualized lunar image on the three dimensional topography data of the moon.

This paper describes the overview of the early result of data visualization method and expected data system of visualization data on WMS server and SELENE development status.