

## A study of KAGUYA(SELENE) product visualization on WMS

Shinichi Sobue[1]; # Hayato Okumura[2]; Aya Yamamoto[3]

[1] JAXA; [2] JAXA/ISAS/SELENE; [3] RESTEC

<http://www.kaguya.jaxa.jp/>

KAGUYA(SELENE:SELEnological and ENgineering Explorer) was launched on September 14, 2007 by using H-IIA flight 13. KAGUYA was injected to the lunar orbit on October 4 and was finished initial check out of satellite system and mission instruments on December 20.

KAGUYA is the first large-scale lunar observatory satellite of JAXA. The major objectives of the KAGUYA are to promote scientific research of the lunar origin and evolution. The data will also be used for exploring the possibilities of the future utilization of the Moon. KAGUYA consists of the Main orbiter with two daughter satellites (relay satellite OKINA and VLBI radio satellite OUNA ).

SELENE Operation and Analysis Center (SOAC) in Sagamihara campus of JAXA will operate SELENE and archive SELENE data to provide KAGUYA data for mission instrument teams' calibration and validation as well as data analysis for the scientific study of the Moon study. 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 KAGUYA 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 the current status and future plan of KAGUYA data visualization system on WMS server.