

The overview of SELENE data archive system and SELENE promotion activities

Shinichi Sobue[1]; Hayato Okumura[2]

[1] JAXA; [2] JAXA/SELENE

<http://www.selene.tksc.jaxa.jp>

SELENE (SELEnological and ENgineering Explorer) is the first large-scale lunar observatory satellite of JAXA to be launched in summer, 2007. The major objectives of the SELENE are to promote scientific research of the lunar origin and evolution through observing the distribution of the elements and mineral on the surface, the surface and sub-surface structure, the gravity field, the remnant of the magnetic field, and the environment of energetic particles and plasma. The data will also be used for exploring the possibilities of the future utilization of the Moon. SELENE consists of the Main orbiter with two daughter satellites (relay satellite and VLBI radio satellite).

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.

This paper describes the overview of SELENE development status, SELENE scientific research promotion activities, SELENE data policy and the overview of L2 DB and data distribution system.