

Science Instruments and their Development in Selene Mission

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Science instruments of SELENE (SELenological and ENgineering Explorer) project are proceeding to FM design phase following PM study phase for two years, although rescheduling after the failure of HII rocket launching. Fourteen science instruments are applied to the lunar surface studies of chemistry, mineralogy, topography, magnetism, and gravimetry by global mapping, lunar plasma environment studies and observation of the Earth's ionosphere. The proto-type model of critical parts are manufactured and recieved mechanical and acoustic test, and electronic I/F test.

Design of Flight models will fixed after structural and thermal integration test performed in 2000 FY. The each models will be manufactured and received the environment test for 1.5 years.