



The Kaguya Mission: Present Status and its Lunar Science.

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Lunar orbiter Kaguya(SELENE) has been successfully launched on September 14, 2007. After insertion into lunar orbit [U+3000] on October 4, release of two subsatellites into the elliptical orbits of 100 km perilune, and 2400 km and 800 km apolune, reach the nominal observation orbit with 100 km circular and polar on October 18, and the extension of four sounder antennas with 15 m length and the 12 m mast for magnetometer, and deployment of plasma imager, Kaguya has started nominal observation for ten months on December 21. Most of science instruments show excellent performance for ten months, and continue to acquire their data in extension mission term using saved fuel. New information and insights have been brought to lunar sciences in topography, gravimetry, geology, mineralogy, lithology, plasma physics.