

Space Mission Specifications - Project Andromeda

Mission Name: Project Andromeda

Launch Date: March 15, 2025

Mission Duration: 18 months

Payload: Lunar Rover, Orbital Telescope

Propulsion Type: Ion Propulsion System (IPS-3)

Primary Objectives:

- Collect soil samples from the southern lunar basin.
- Deploy orbital telescope to study deep space radiation.

Battery System: Lithium-Ion, 5000 mAh, 18.5V

Communication: X-band for Earth uplink, S-band inter-module

Notes:

Rev 2 includes upgrades to radiation shielding and antenna alignment mechanism.