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Korea extends Danuri mission period by 2 years to 2025





Seen is Vallis Schrodinger, a long and narrow valley on the far side of the moon, photographed by the Danuri lunar orbiter on March 24. The science ministry said Tuesday that it will extend the Danuri's exploration period by two years to the end of 2025 from the end of 2023

Korea extends Danuri lunar orbiter's mission period to 2025

By Baek Byung-yeul

The exploration period of Danuri, the country's first lunar orbiter, will be extended for two more years to the end of 2025 from the end of 2023, the science ministry said Tuesday, explaining that the lunar orbiter that the extension will allow them consumed less fuel than expected to expand their achievements by while traveling from the Earth to the securing additional lunar surface moon

and the Korea Aerospace Research meters and gamma-ray spectrome-Institute (KARI) held a lunar explo-ters," the ministry added. ration project implementation committee and announced that the Aug. 5, 2022, and entered the moon's Danuri's mission period has been orbit on Dec. 17. After confirmation extended to three years from January of orbital entry, the Danuri spent 2023 to December 2025. It was origiabout a month undergoing checks nally planned that the satellite would of the initial operation of its payload, conduct exploration while in lunar orbit for one year.

The science ministry said researchers have asked for an extension of official mission on Feb. 4. the mission because the lunar orbiter has been useful for observing the operation of the orbiter will be utilunar surface and has plenty of fuel lized to produce 3D terrain images to spare. Danuri was expected to of lunar landing candidate sites and burn 202.64 kilograms of fuel during lunar surface element and resource the transition from the Earth to the Moon, but actually burned only by domestic researchers to conduct 172.92 kilograms, the ministry add- creative convergence research, the

"Due to the excellent observation results of Danuri, including taking a space exploration data system by images of the dark side of the moon 2026 that can efficiently manage and - a first for Korea - and the suffi- analyze data generated during future cient amount of fuel for the mission, explorations of space, including the

have been requesting an extension of the mission period to expand the research results of lunar exploration," the science ministry said.

"In the initially planned oneyear mission operation period, only a limited range of data could be acquired, but researchers expect images and conducting complemen-The Ministry of Science and ICT tary observations with magnetic field

The lunar orbiter was launched on testing the functions of the main body and undergoing adjustments for errors and distortions. It began its

The data acquired through the maps by 2026, and will also be used ministry said.

The ministry also plans to build domestic and overseas researchers moon, Mars and asteroids,