

China launches 3 astronauts on 6-month space station mission

October 15 2021



In this photo released by Xinhua News Agency, the crewed spaceship Shenzhou-13, atop a Long March-2F carrier rocket, is launched from the Jiuquan Satellite Launch Center in northwest China's Gobi Desert, Oct. 16, 2021. Credit: Li Gang/Xinhua via AP

China on Saturday sent three astronauts to its space station for a record-

setting six-month stay as the country moves toward completing the new orbiting outpost

The Shenzhou-13 spacecraft carrying the three astronauts was launched by a Long March-2F rocket at 12:25 a.m. Saturday.

The two men and one woman are the second [crew](#) to move into the [space station](#), which was launched last April. The first crew stayed three months.

The new crew includes two veterans of space travel. Zhai Zhigang, 55, and Wang Yaping, 41, and Ye Guangfu, 41, who is making his first trip to space.

The crew was seen off by a military band and supporters singing "Ode to the Motherland," underscoring the weight of national pride invested in the China's [space program](#) that has advanced rapidly in recent years.

They will do three spacewalks to install equipment in preparation for expanding the station, assess living conditions in the Tianhe module and conduct experiments in space medicine and other fields.

China's military-run space program plans to send multiple crews to the station over the next two years to make it fully functional.

When completed with the addition of two more sections—named Mengtian and Wentian—the station will weigh about 66 tons, a fraction of the size of the International Space Station, which launched its first module in 1998 and will weigh around 450 tons when completed.



From left, Chinese astronauts Zhai Zhigang, Wang Yaping, and Ye Guangfu, wave before leaving for the Shenzhou-13 crewed space mission at the Jiuquan Satellite Launch Center in northwest China, Oct. 15, 2021. Shortly ahead of sending a new three-person crew to its space station, China on Friday renewed its commitment to international cooperation in the peaceful use of space. (Chinatopix Via AP) CHINA OUT

The two additional Chinese modules are due to be launched before the end of next year during the stay of the yet-to-be-named Shenzhou-14 crew.

China's Foreign Ministry on Friday renewed its commitment to cooperation with other nations in the peaceful use of space.

Spokesperson Zhao Lijian said sending humans into space was a "common cause of mankind," and China would "continue to extend the depth and breadth of international cooperation and exchanges" in crewed spaceflight and "make positive contributions to the exploration of the mysteries of the universe."

China was excluded from the International Space Station largely due to U.S. objections over the Chinese program's secretive nature and close military ties, prompting it to launch two experimental modules before starting on the permanent station.

U.S. law requires congressional approval for contact between the American and Chinese space programs, but China is cooperating with space experts from countries including France, Sweden, Russia and Italy. Chinese officials have said they look forward to hosting astronauts from other countries aboard the [space station](#) once it becomes fully functional.

China has launched seven crewed missions with a total of 14 astronauts aboard since 2003, when it became only the third country after the former Soviet Union and the United States to put a person in space on its own. Two Chinese astronauts have flown twice.

China has also expanded its work on lunar and Mars exploration, including placing a rover on the little-explored far side of the Moon and returning lunar rocks to Earth for the first time since the 1970s.

China this year also landed its Tianwen-1 space probe on Mars, whose accompanying Zhurong rover has been exploring for evidence of life on the red planet.

Other Chinese space programs call for collecting soil from an asteroid and bringing back additional lunar samples. China has also expressed an aspiration to land people on the moon and possibly build a scientific base

there, although no timeline has been proposed for such projects. A highly secretive space plane is also reportedly under development.

© 2021 The Associated Press. All rights reserved. This material may not be published, broadcast, rewritten or redistributed without permission.

Citation: China launches 3 astronauts on 6-month space station mission (2021, October 15)
retrieved 1 May 2024 from

<https://phys.org/news/2021-10-china-astronauts-month-space-station.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.