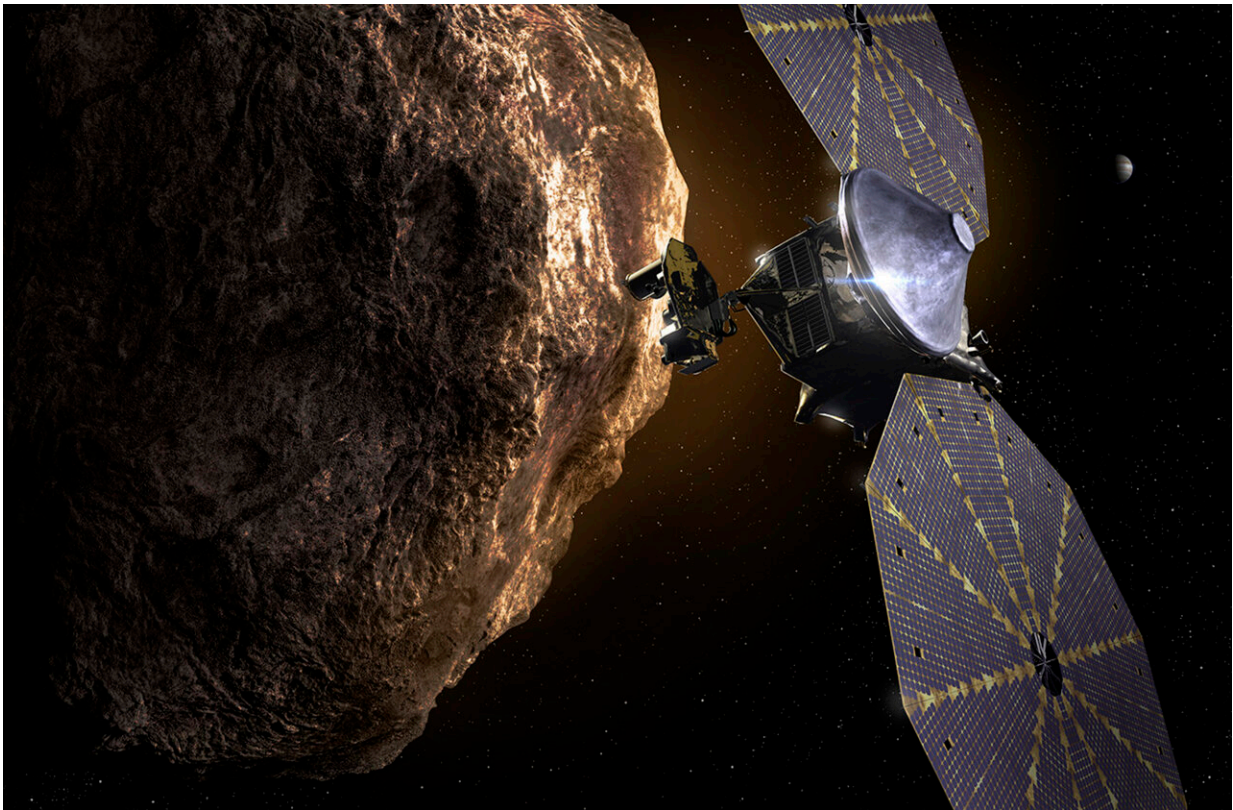


Solar wing jammed on NASA spacecraft chasing asteroids

October 28 2021, by Marcia Dunn



This image provided by the Southwest Research Institute depicts the Lucy spacecraft approaching an asteroid. It will be first space mission to explore a diverse population of small bodies known as the Jupiter Trojan asteroids. NASA reported Wednesday, Oct. 27, 2021, that one of the craft's two giant, circular solar panels is only between 75% and 95% extended. A lanyard is holding it in place. Credit: SwRI via AP

NASA is debating whether to try to fix a jammed solar panel on its newly launched Lucy spacecraft, en route to explore an unprecedented number of asteroids.

The problem cropped up shortly after the spacecraft's Oct. 16 liftoff on a 12-year journey.

After measuring the electric current this week, NASA reported Wednesday that one of Lucy's two giant, circular solar panels is only between 75% and 95% extended. A lanyard is holding it in place.

Any attempt at reopening the wing—which is 24 feet in diameter (7 meters)—would not occur before mid-November.

So far, the problem has not affected Lucy's outbound flight, so there's no rush to figure out the next step, officials said. Everything else on the spacecraft—already 3.7 million miles (6 million kilometers) away—is working properly.

The mission's lead scientist, Hal Levison of Southwest Research Institute, said the team is encouraged that the combined power from both solar panels "is keeping the spacecraft healthy and functioning."

"It's too early to determine longer range implications to the entire mission," Levison said in an email Thursday. While the problem is concerning, "our team is working this very diligently and carefully to find a workable solution."

The nearly [\\$1 billion mission](#) seeks to explore seven so-called Trojan asteroids that share Jupiter's orbit around the sun and another space rock closer to home. Lucy should swoop within 600 miles (965 kilometers) of each target.

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