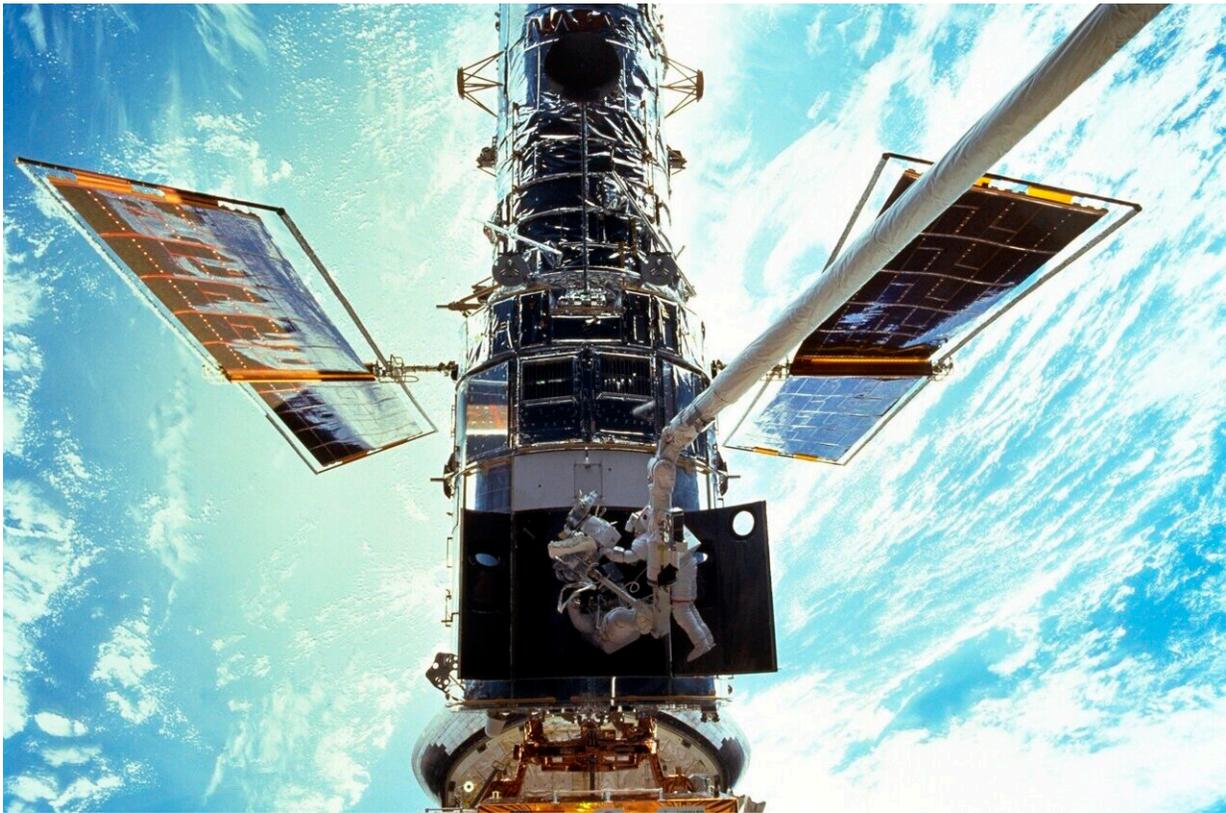


Computer trouble hits Hubble Space Telescope, science halted

June 16 2021, by Marcia Dunn



In this image provided by NASA/JSC, astronauts Steven L. Smith and John M. Grunsfeld are photographed during an extravehicular activity (EVA) during the December 1999 Hubble servicing mission of STS-103, flown by Discovery. The Hubble Space Telescope has been blindsided by computer trouble, with all astronomical viewing halted, NASA said Wednesday, June 16, 2021. The orbiting observatory has been idle since Sunday when a 1980s-era computer that controls the science instruments shut down, possibly because of a bad memory board. Credit: NASA/JSC via AP, File

The Hubble Space Telescope has been hit with computer trouble, with all astronomical viewing halted, NASA said Wednesday.

The orbiting observatory has been idle since Sunday when a 1980s-era computer that controls the science instruments shut down, possibly because of a bad memory board.

Flight controllers at NASA's Goddard Space Flight Center in Maryland tried to restart the computer Monday, but the same thing happened. They're now trying to switch to a backup memory unit. If that works, the telescope will be tested for a day, before the science instruments are turned back on and observations can resume.

For now, the cameras and other instruments are in a so-called safe mode.

Launched in 1990, Hubble is showing more and more signs of aging, despite a series of repairs and updates by spacewalking astronauts during NASA's shuttle era. The idled computer was installed during the fifth and final service call in 2009.

NASA plans to [launch](#) Hubble's successor, the James Webb Space Telescope, in November. This observatory will be too far from Earth—1 million miles (1.5 million kilometers) away in a solar orbit—for astronaut tune-ups. The launch from French Guiana using Europe's Ariane rocket is years behind schedule; the latest delay of two weeks is the result of rocket processing and scheduling issues.

Scientists hope to have an overlap in orbit between Hubble and the considerably more advanced and powerful Webb.

© 2021 The Associated Press. All rights reserved. This material may not

be published, broadcast, rewritten or redistributed without permission.

Citation: Computer trouble hits Hubble Space Telescope, science halted (2021, June 16)
retrieved 22 September 2024 from

<https://phys.org/news/2021-06-hubble-space-telescope-science-halted.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.