

Hubble Space Telescope's premier camera shuts down

January 9 2019, by Marcia Dunn



In this April 25, 1990 photograph provided by NASA, most of the giant Hubble Space Telescope can be seen as it is suspended in space by Discovery's Remote Manipulator System (RMS) following the deployment of part of its solar panels

and antennae. The Hubble Space Telescope's premier camera has shut down. NASA says the camera suspended operations Tuesday, Jan. 8, 2019, because of a hardware problem. Hubble's three other science instruments are still working fine, with celestial observations continuing. (NASA via AP)

The Hubble Space Telescope's premier camera has shut down because of a hardware problem.

NASA said the camera stopped working Tuesday. Hubble's three other science instruments are still working fine, with celestial observations continuing.

This third incarnation of the wide field camera was installed by spacewalking astronauts in 2009. The camera has backup electronics that could be called into action, if necessary, according to NASA.

The camera has captured stunning images of stars, galaxies stretching far back in time and assisted in deep sky surveys. It's also studied objects in our own solar system, discovering some of the tiny moons around Pluto, as well as a 14th moon around Neptune. It takes pictures in both visible and ultraviolet light, as well as near infrared.

Orbiting 350 miles (560 kilometers) above Earth, Hubble was launched in 1990 and visited by space shuttle astronauts, for repairs and upgrades, five times.

Last fall, Hubble stopped working altogether for three weeks because of a pointing problem. This is the first time the camera has acted up like this, said Cheryl Gundy, a spokeswoman with the Space Telescope Science Institute in Baltimore, which handle science operations for the telescope.

"NASA is trying to pull together the team to try to diagnose the issue," Gundy said Wednesday.

"We would like to have Hubble back up and working as quickly as possible, and NASA is making that happen," even with the partial government shutdown, she added.

© 2019 The Associated Press. All rights reserved.

Citation: Hubble Space Telescope's premier camera shuts down (2019, January 9) retrieved 10 April 2024 from <https://phys.org/news/2019-01-hubble-space-telescope-premier-camera.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.