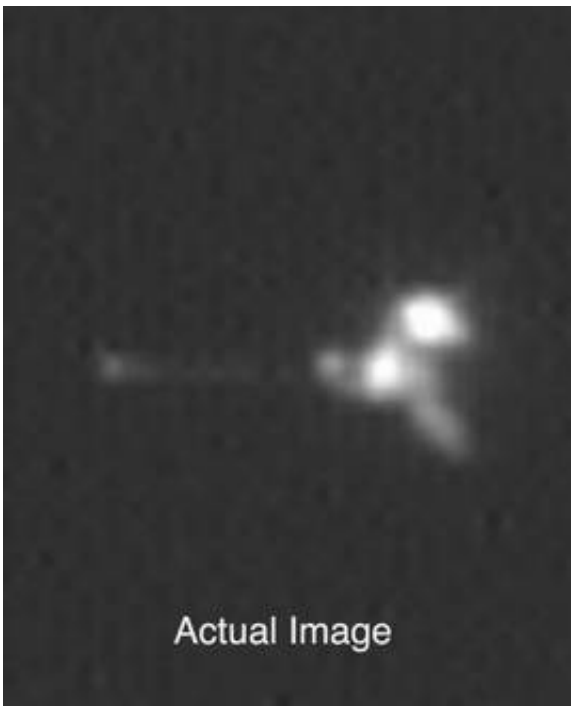


One Mars Orbiter Takes First Photos of Other Orbiters

May 19 2005



Photographs from NASA's Mars Global Surveyor spacecraft released today are the first pictures ever taken of a spacecraft orbiting a foreign planet by another spacecraft orbiting that planet.

This view is an enlargement of an image of NASA's Mars Odyssey spacecraft taken by the Mars Orbiter Camera aboard NASA's Mars

Global Surveyor while the two spacecraft were about 90 kilometers (56 miles) apart.

Mars Global Surveyor has been orbiting Mars since 1997, Mars Odyssey since 2001. Both are managed for NASA by the Jet Propulsion Laboratory, a division of the California Institute of Technology in Pasadena, Calif. Mars Express has been in orbit since late 2003.

Mars Express was passing about 155 miles away when the Mars Orbiter Camera on Mars Global Surveyor photographed it on April 20. The next day, the camera caught Mars Odyssey passing 56 to 84 miles away.

All three spacecraft are moving at almost 7,000 miles per hour, and at 62 miles distance the field-of-view of the Mars Orbiter Camera is only 830 yards across. If timing had been off by only a few seconds, the images would have been blank.

The images were obtained by the Mars Global Surveyor operations teams at Lockheed Martin Space Systems, Denver; JPL and Malin Space Science Systems.

The new images of the European Space Agency's Mars Express and NASA's Mars Odyssey are available on the Internet from NASA at [www.nasa.gov/vision/universe/s ... stem/mgs-images.html](http://www.nasa.gov/vision/universe/s...stem/mgs-images.html)

Citation: One Mars Orbiter Takes First Photos of Other Orbiters (2005, May 19) retrieved 18 April 2024 from <https://phys.org/news/2005-05-mars-orbiter-photos-orbiters.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.