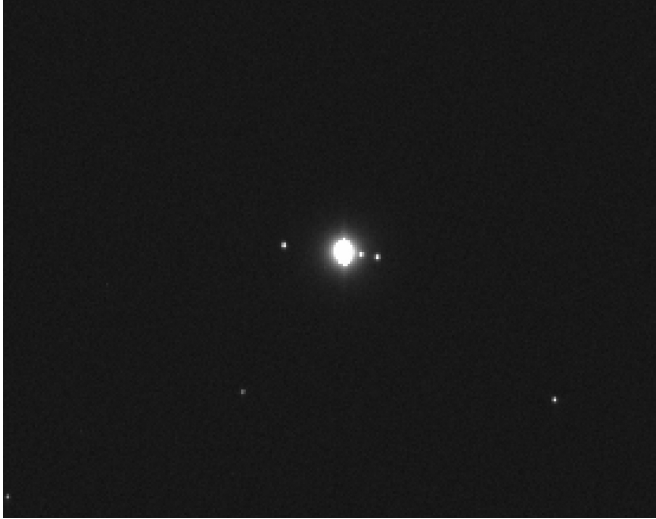


OSIRIS-REx takes its first image of Jupiter

14 February 2017



NASA's Goddard Space Flight Center provides overall mission management, systems engineering and the safety and mission assurance for OSIRIS-REx. Dante Lauretta of the University of Arizona, Tucson, is the principal investigator, and the University of Arizona also leads the science team and the mission's observation planning and processing. Lockheed Martin Space Systems in Denver built the spacecraft and is providing [flight](#) operations. Goddard and KinetX Aerospace are responsible for navigating the OSIRIS-REx spacecraft. OSIRIS-REx is the third [mission](#) in NASA's New Frontiers Program. NASA's Marshall Space Flight Center in Huntsville, Alabama, manages the agency's New Frontiers Program for its Science Mission Directorate in Washington

This image was taken at 3:38 a.m. EST on Feb. 9, 2017, when the spacecraft was 75 million miles (120 million kilometers) from Earth and 419 million miles (675 million kilometers) from Jupiter. With an exposure time of two seconds, the image renders Jupiter overexposed, but allows for enhanced detection of stars in the background. Credit: NASA/Goddard/University of Arizona

Provided by NASA's Goddard Space Flight Center

This magnified, cropped image showing Jupiter and three of its moons was taken by NASA's OSIRIS-REx spacecraft's MapCam instrument during optical navigation testing for the mission's Earth-Trojan Asteroid Search. The image shows Jupiter in the center, the moon Callisto to the left and the moons Io and Europa to the right. Ganymede, Jupiter's fourth moon, is also present in the image, but is not visible as it is crossing in front of the planet.

The image was taken at 3:38 a.m. EST on Feb. 9, 2017, when the spacecraft was 75 million miles (120 million kilometers) from Earth and 419 million miles (675 million kilometers) from Jupiter. With an exposure time of two seconds, the image renders Jupiter overexposed, but allows for enhanced detection of stars in the background.

APA citation: OSIRIS-REx takes its first image of Jupiter (2017, February 14) retrieved 21 April 2021 from <https://phys.org/news/2017-02-osiris-rex-image-jupiter.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.