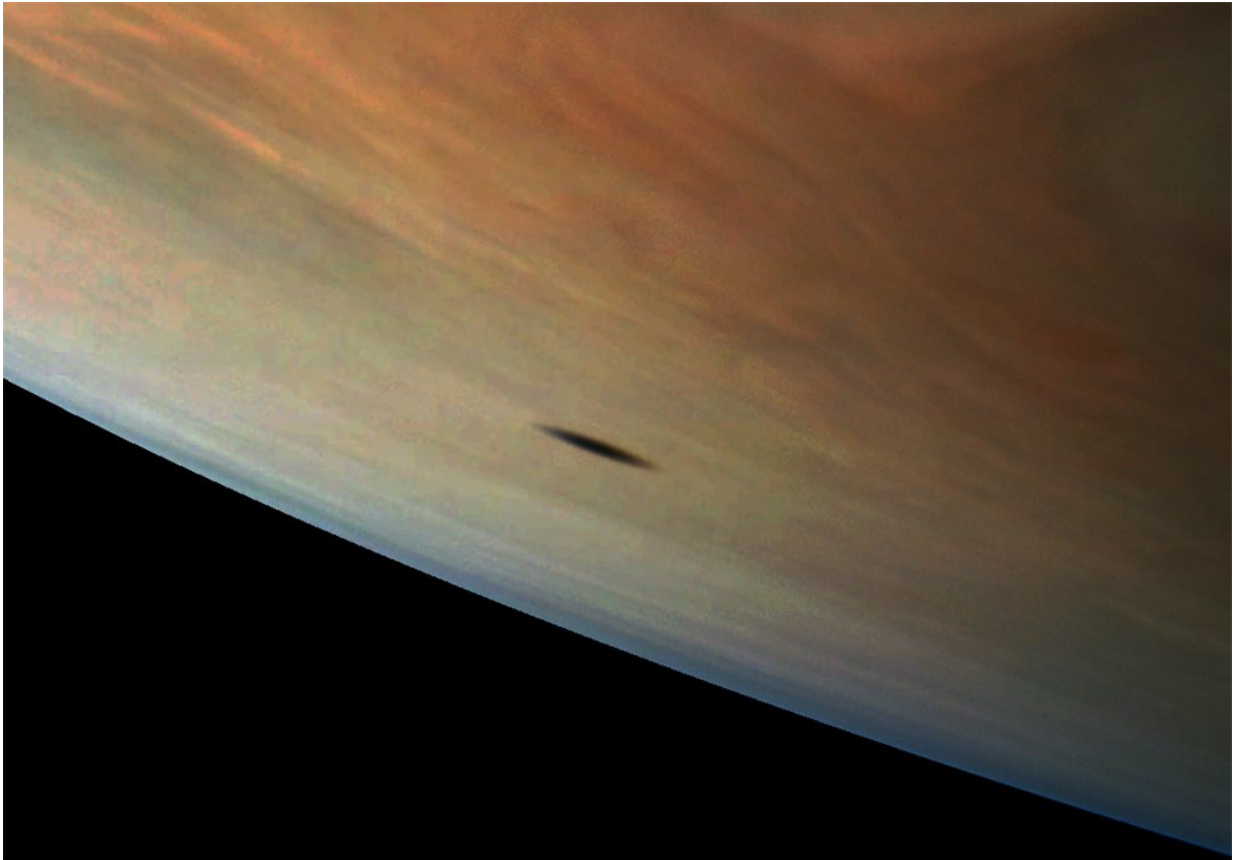


Image: Jovian moon shadow

October 20 2017



Credit: NASA/JPL-Caltech/SwRI/MSSS/Gerald Eichstädt

Jupiter's moon Amalthea casts a shadow on the gas giant planet in this image captured by NASA's Juno spacecraft. The elongated shape of the shadow is a result of both the location of the moon with relation to Jupiter in this image as well as the irregular shape of the moon itself.

The image was taken on Sept. 1, 2017 at 2:46 p.m. PDT (5:46 p.m. EDT), as Juno performed its eighth close flyby of Jupiter. At the time the image was taken, the spacecraft was 2,397 miles (3,858 kilometers) from the tops of the clouds of the planet at a latitude of 17.6 degrees.

Citizen scientist Gerald Eichstädt processed this image using data from the JunoCam imager.

More information: JunoCam's raw images are available for the public to peruse and process into image products at:

www.missionjuno.swri.edu/junocam

Provided by NASA

Citation: Image: Jovian moon shadow (2017, October 20) retrieved 27 April 2024 from <https://phys.org/news/2017-10-image-jovian-moon-shadow.html>

<p>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.</p>
--