

# The *Weekly Dome Report*

Week of September 23rd, 2019.....Volume 11.....Space News and Stuff

## Upcoming Event!

Monday, Sept. 23rd

6pm: Mythology Monday

Saturday, Sept. 28th

2pm: Public Show

"From Earth to the Universe"

3pm: Public Show

"Phantom of the Universe"

7pm: Public Show

"Seven Wonders"

## HOT TAKE!

"The planetarium is better after its massive overhaul due to increased image resolution, a wide new cache of educational materials, and updated terrain."

-Anonymous

Why, thank you! Since our upgrade, we have a lot more features and can see way more things in space. If you thought going to the planetarium was pretty neat before, just wait until you see space with our new software!

Got a hot take about space or science? Send us an email:  
[planetarium@truman.edu](mailto:planetarium@truman.edu)

## FREE JOKES:

What's a lightyear?

Same as a regular year,  
but with fewer calories!

What do you do if you  
see a space man?

Park in it, dude!

## OTHERWORLDLY ECLIPSE

### JUNO SPACECRAFT CAPTURES IO'S SHADOW

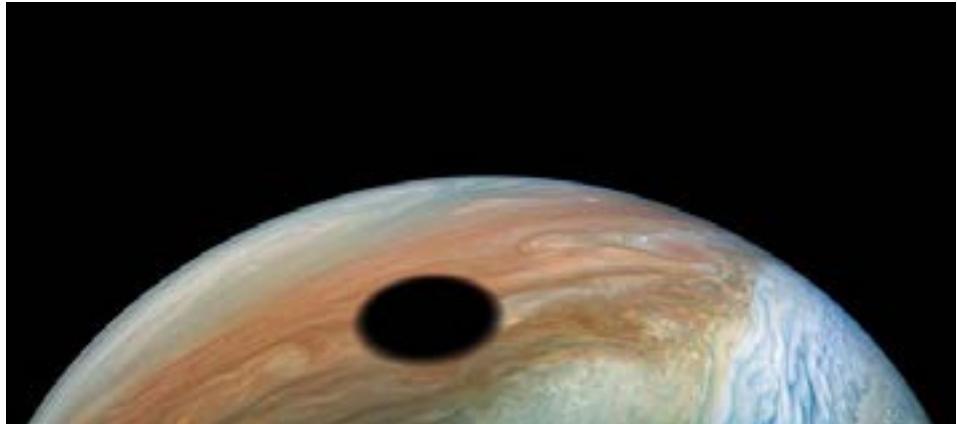


Image credit: NASA/JPL-Caltech/SwRI/MSSS/Kevin M. Gill/CC by 2.0

On September 11, the Juno spacecraft, which has been orbiting Jupiter for three years, captured images of an eclipse on the surface of Jupiter. This eclipse was caused by the closest of Jupiter's large moons, Io. Io is one of the more well-known moons within our solar system, as it is the most volcanically active body within our solar system, partly due to the extreme gravity exerted on it by Jupiter.

Juno only makes a close approach to Jupiter every 53 days, and Io orbits around Jupiter every 1.77 days, so it was a nice bit of timing for Juno to capture the images that it did. Other than taking stunning photos, Juno's main function is to analyze the atmosphere and interior of Jupiter. And so slowly scientists continue to learn more about our large neighbor, and we continue to get neat photos out of it. A win-win situation if I ever saw one.

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**See you on Saturday!**