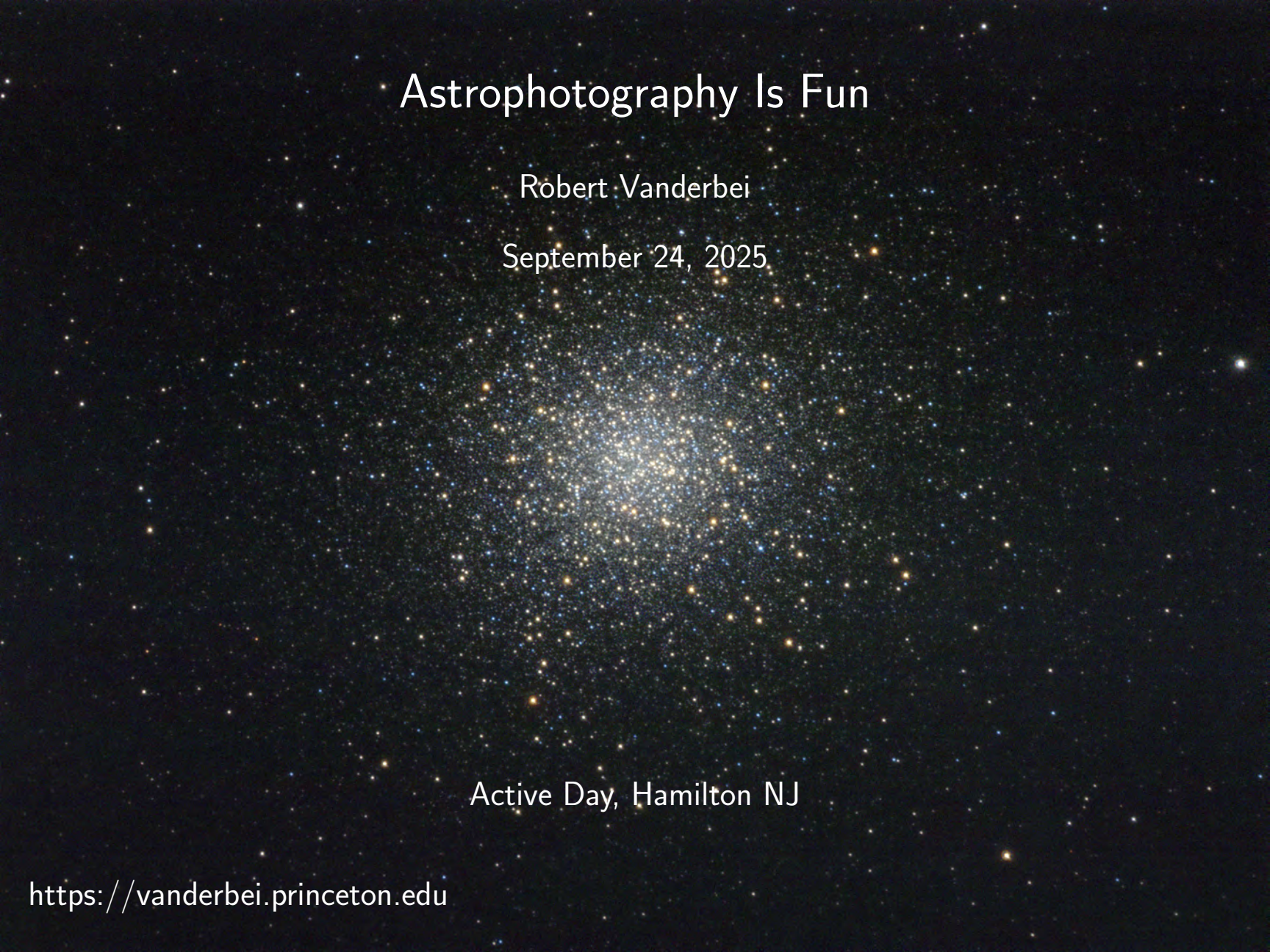


Astrophotography Is Fun

Robert Vanderbei

September 24, 2025

Active Day, Hamilton NJ

https://vanderbei.princeton.edu

Super Full Moon

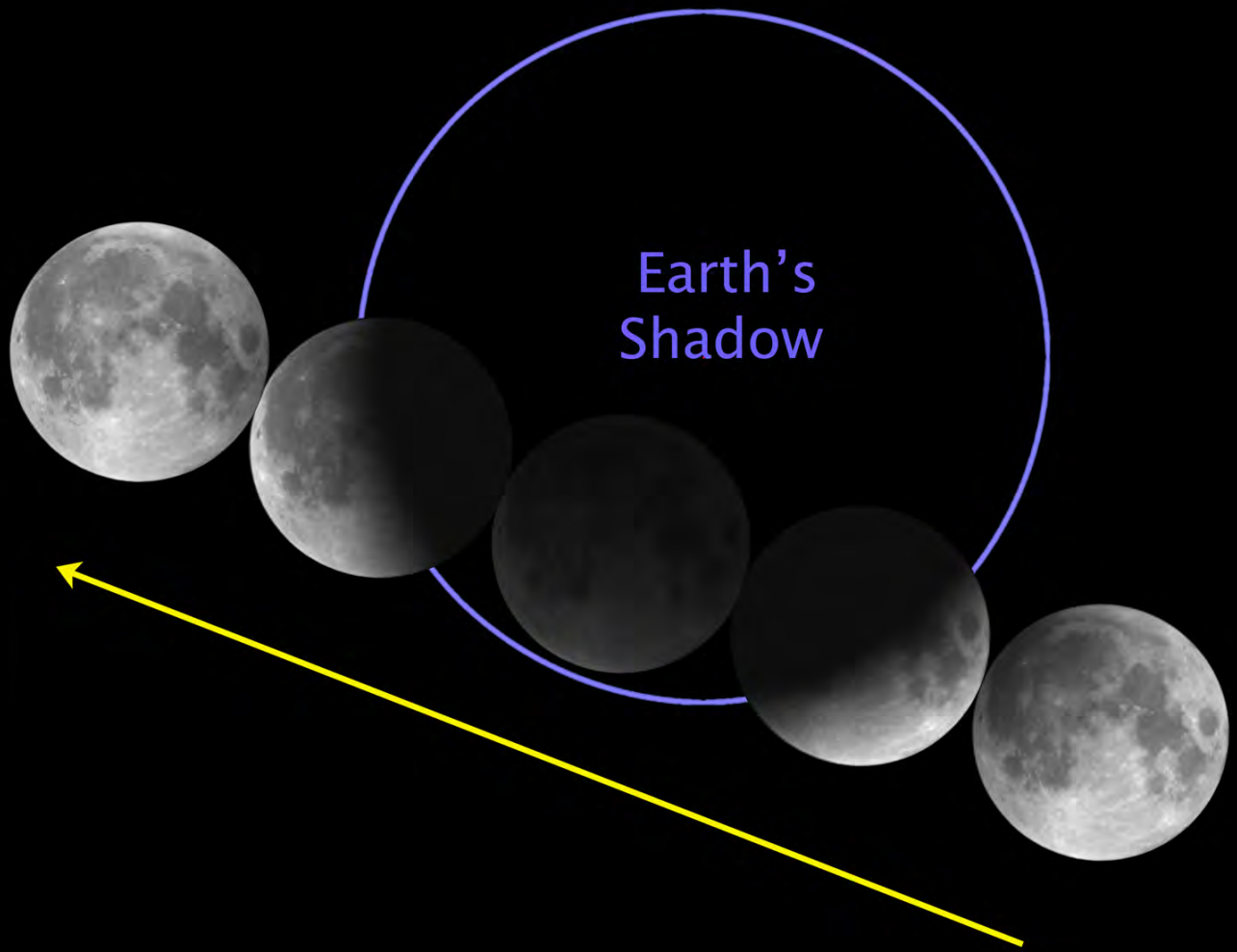
June 14, 2022

Crescent Moon

4:07pm Nov. 5, 2021

Is The Earth Flat?

A Picture's Worth a Thousand Words...



How Aristarchus measured the size of the Moon.

Lunar Eclipse

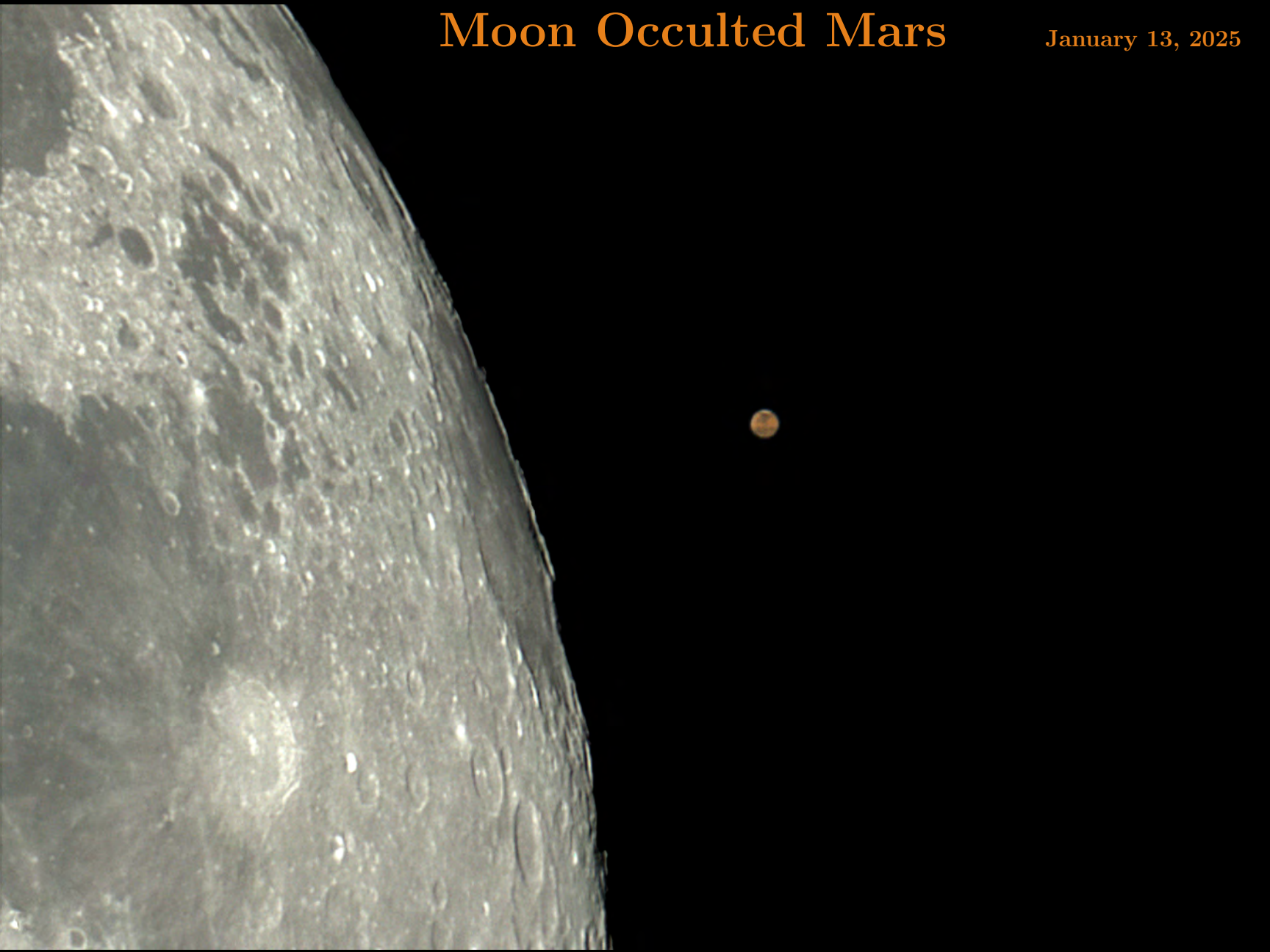
November 8, 2022

Lunar Eclipse

November 8, 2022

Moon Occulted Mars

January 13, 2025



Mars

Oct. 6 and 18, 2020

Jupiter and Saturn

32 and 67 min

Comet 103P / Double Cluster

1.2 min / 7,460 and 7,640 ly

Looking Out Beyond Our Solar System


Orion Nebula
Star Forming Region
1,344 ly


Dumbbell Nebula
Dying Star
1,360 ly

Horsehead and Flame Nebulas

1,500 ly

Veil Nebula

Supernova Remnant 2,400 **ly**

Western Veil

2,400 ly


Eastern Veil


Ring Nebula
2,567 ly


Crescent Nebula
5,000 ly

Jellyfish Nebula

5,000 ly

Rosette Nebula

5,200 ly

Eagle Nebula

5,700 ly


Crab Nebula
Mar. 26, 2019
6,500 ly


Crab Nebula
Oct. 27, 2006
6,500 ly


Bubble Nebula
9,100 ± 2,000 ly


Globular Cluster M13
22,200 ly

Looking Out Beyond Our Milky Way

The Andromeda Galaxy

2,450,000 **ly**

M81 and M82

12,000,000 ly

The Whirlpool Galaxy

31,000,000 ly

The Whirlpool Galaxy

31,000,000 ly

The Whirlpool Galaxy

31,000,000 ly

The Leo Trio

32,000,000 ly

The Needle Galaxy (NGC 4565)

42,700,000 ly

Questions?

Temporary page!

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final page this extra page has been added to receive it.

If you rerun the document (without altering it) this surplus page will go away, because LaTeX now knows how many pages
for this document.