

A photograph of Earth rising over the horizon of the Moon. The Earth is a bright blue and white sphere in the center of the frame, partially obscured by the dark, cratered surface of the Moon in the foreground. The background is the black void of space.

The Moon



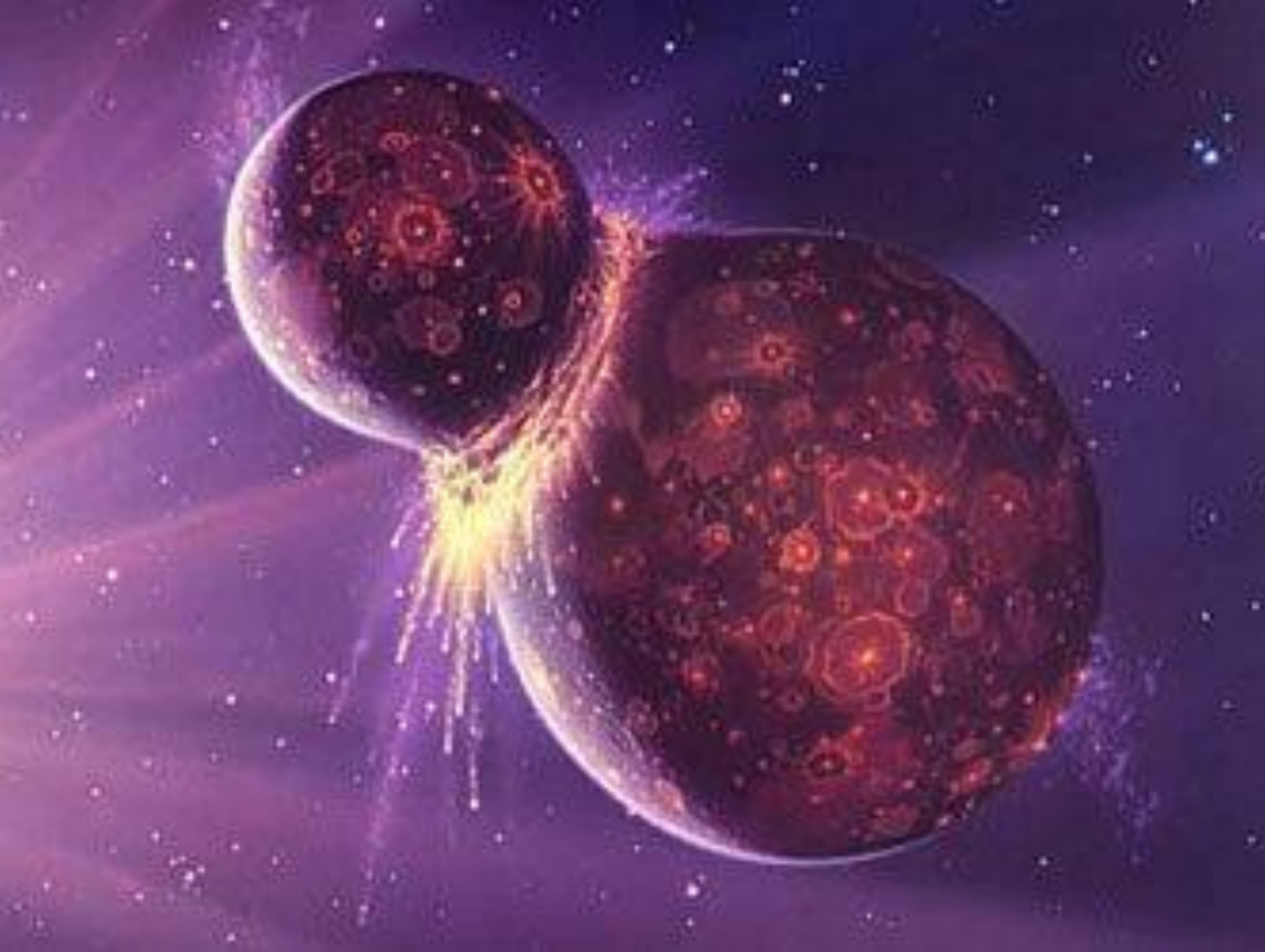
July 20, 1969

- On 10:56pm - July 20, 1969 Neil Armstrong stepped onto the Moon.
- On December 19, 1972 Eugene Cernan stepped off the Moon.
- Since then no human has gone to the Moon or even left low earth orbit.
- In the history of mankind, only 12 men ever walked on another world.

SINCE THE FIRST SKY-WONDERER
GAZED OUT OF HER CAVE AND INTO
THE LIGHT-SPECKLED BLACKNESS,
WE HAVE ALWAYS ACHED TO FLY
BEYOND THE CONFINES OF THIS
LITTLE ROCK CALLED EARTH,
SO LONG AS IT CAN BE
DONE PRETTY CHEAP.









PHASES

NEW



WAXING
CRESCENT



FIRST
QUARTER



WAXING
GIBBOUS



FULL



WANING
GIBBOUS



THIRD
QUARTER

A black and white photograph of a waning crescent moon, showing its curved, illuminated edge against a dark background. The moon is positioned behind the text, with its curve following the shape of the letters.

WANING
CRESCENT

Earthshine

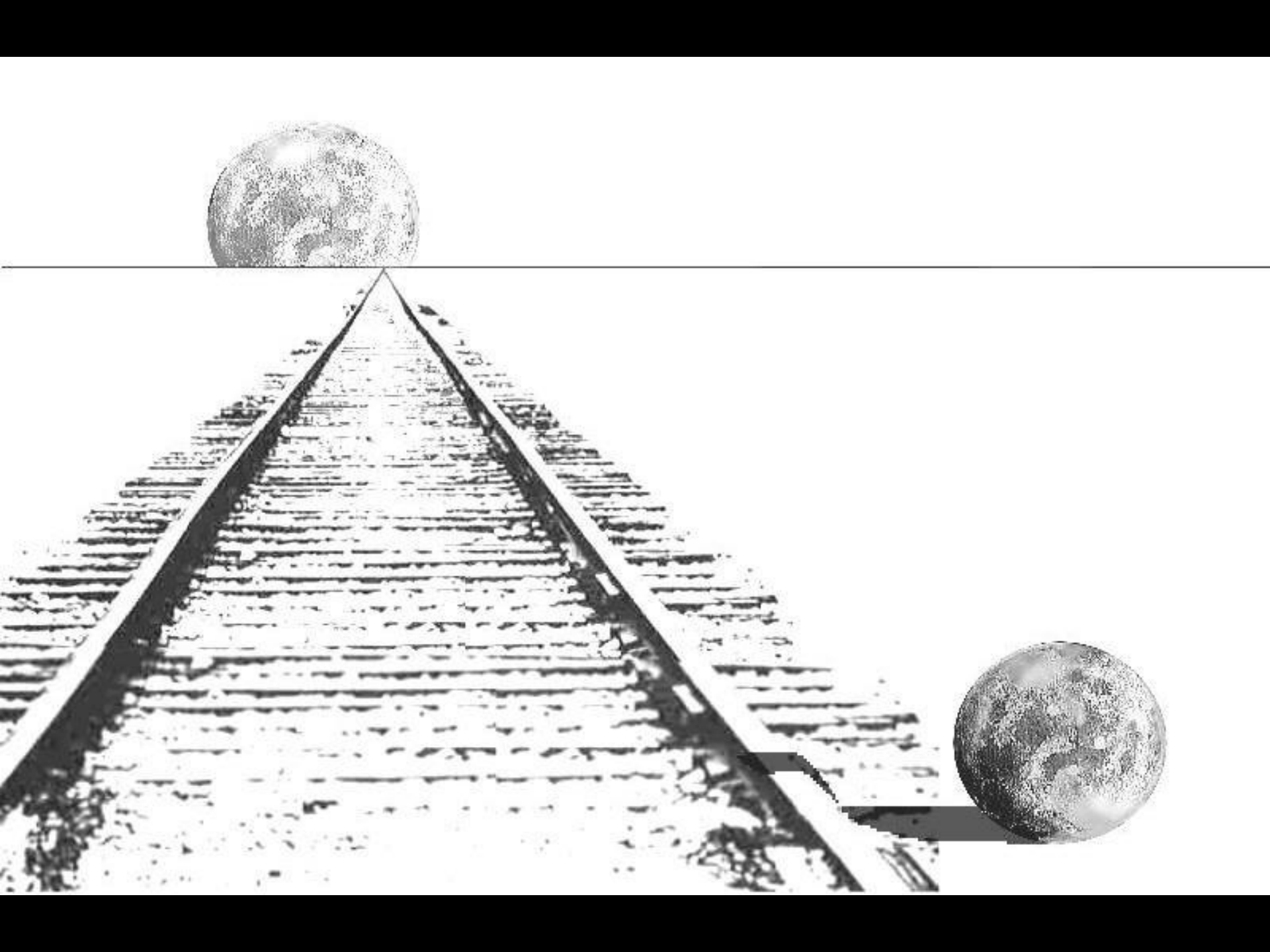


Earthshine



MOON ILLUSION









Moon Phase Timing

- The Moon orbits the Earth every 27.3 days.
- The full phase Cycle takes 29.5 days.

Full Moon Names

- January - Wolf Moon
- February – Snow Moon
- March - Worm Moon
- April - Pink Moon
- May - Flower Moon
- June - Strawberry Moon
- July - Buck Moon
- August - Sturgeon Moon
- September - Corn Moon
- October - Harvest Moon
- November - Beaver Moon
- December - Cold Moon

If there is a second Full Moon in a month it is called a Blue Moon

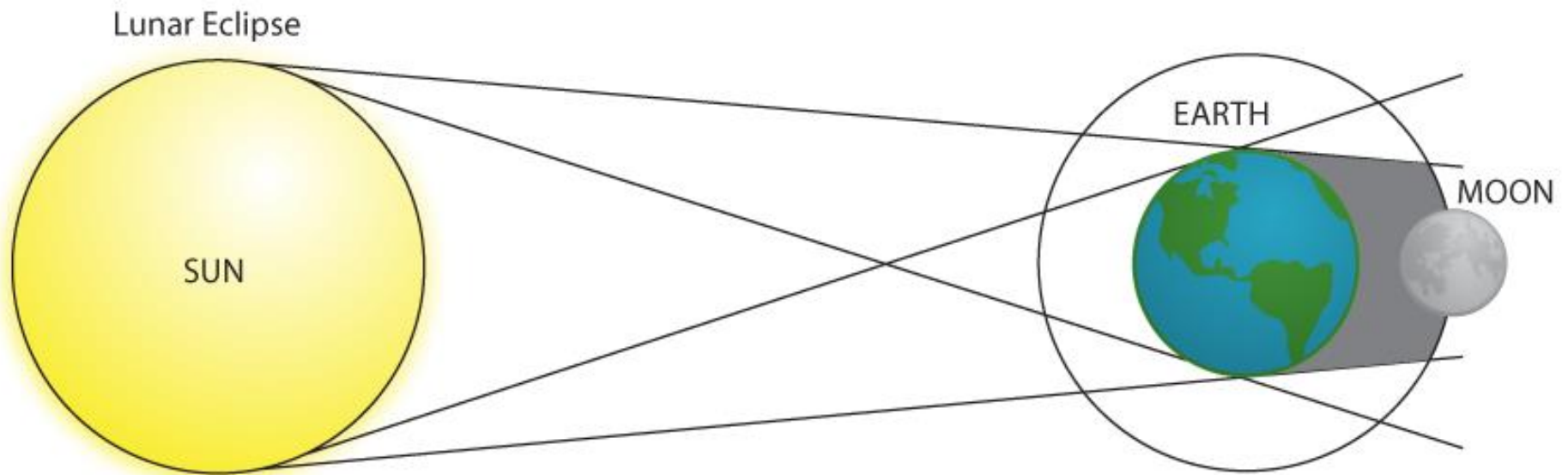


LUNAR ECLIPSE

***A SUPER
BLUE BLOOD
MOON
ECLIPSE!!***



Lunar Eclipse









Total Lunar Eclipses

January 31, 2018 Early Morning
(4:51 TO 6:07AM)

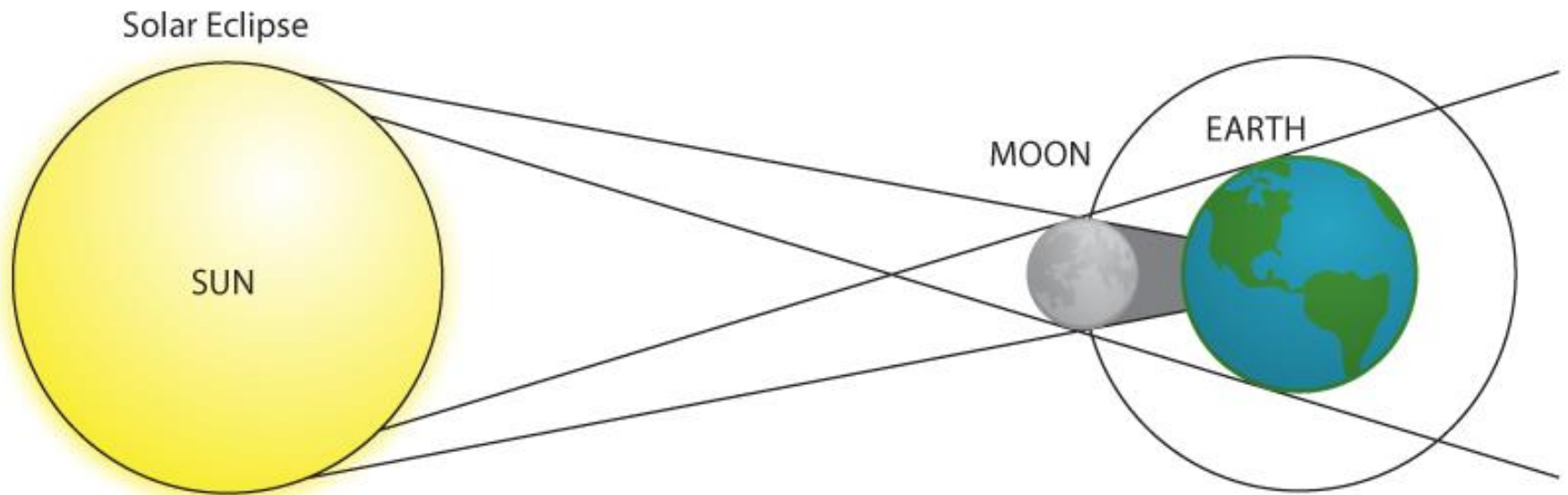
January 20, 2019 Evening (8:41
TO 9:43PM)





SOLAR ECLIPSE

Solar Eclipse





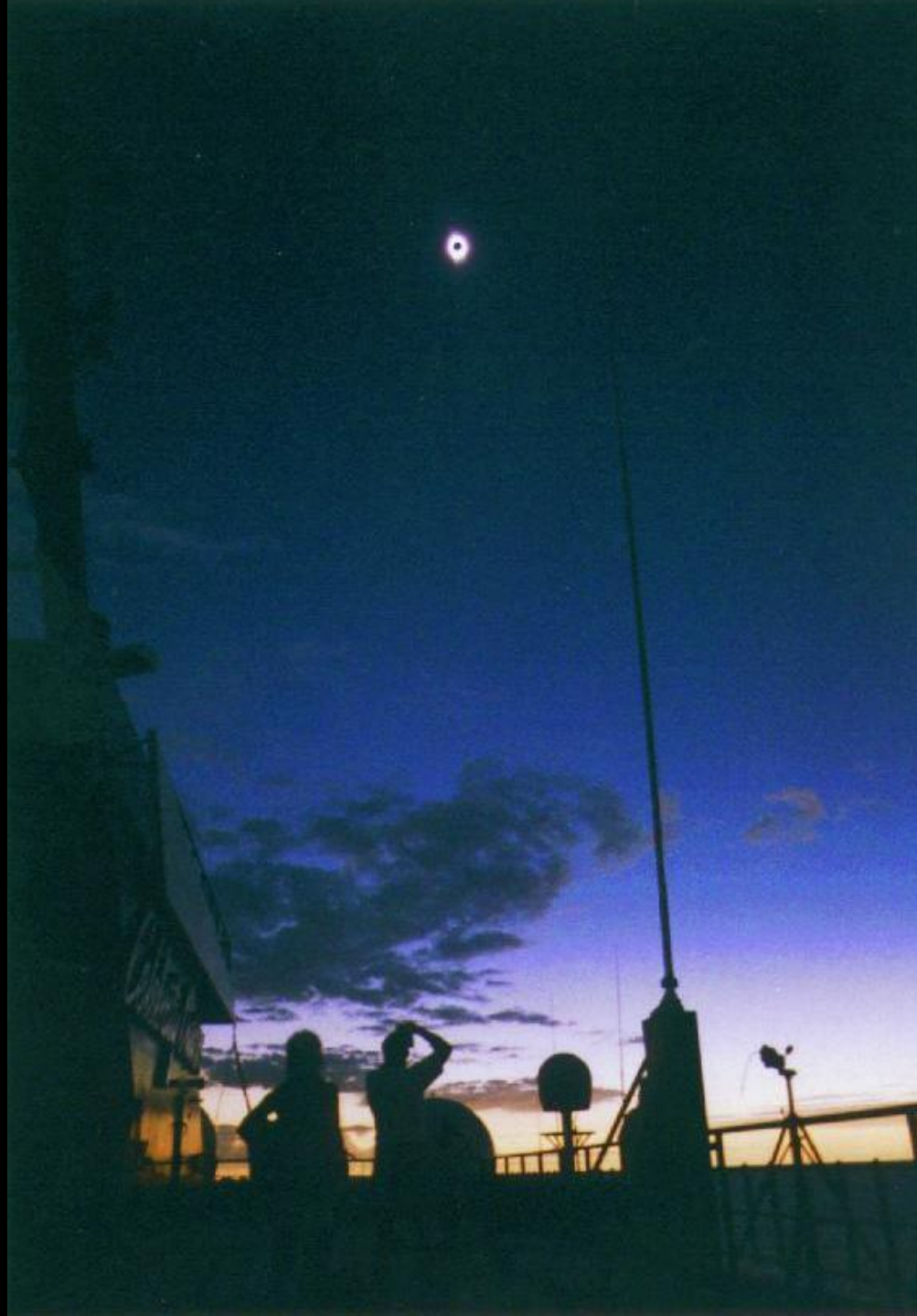
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Moon's shadow on Earth taken by
French cosmonaut Jean-Pierre
Haigneré aboard the Mir







Total solar eclipses over
North America in the
21st century



Why are
Eclipses Rare?

THE END