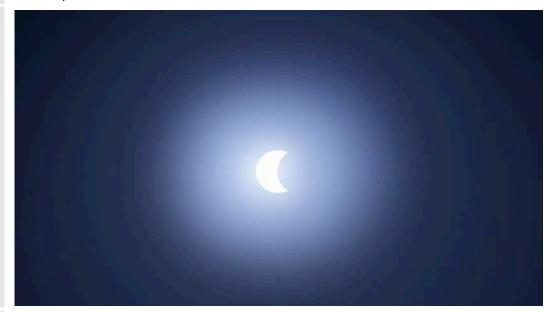
## NAME Solar Eclipse From Earth

## **EXAMPLE**



**DESCRIPTION** Zoom-in of partial to total solar eclipse including diamond ring

**URL** <a href="https://space.rice.edu/eclipse/eclipse animations.html">https://space.rice.edu/eclipse/eclipse animations.html</a>

**DOWNLOAD** <a href="https://forms.gle/sS8q31qFSDRnhnbX7">https://forms.gle/sS8q31qFSDRnhnbX7</a> (DOWNLOAD REQUEST FORM)

TYPE 00:50 animation

**FORMAT** MP4, flatscreen for classrooms, or fisheye and pre-warped formats for planetariums

LEVEL multiple 6-12

**TOPIC** solar eclipse, lunar eclipse

**NOTES** Animation by Don Davis using NASA HEAT support under Reiff direction.

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BY NO

**ADDITIONAL** VIDEO SCRIPT

**RESOURCES** 00:00 First contact is when the disk of the Moon

00:03 first starts to cover the Sun 00:06 During the partial phases

00:08 you must use solar filters or projection techniques

00:11 to safely observe the Sun. 00:13 It takes about an hour

00:15 for the moon to completely cover the Sun.

00:19 The last bit of the Sun is the "diamond ring".

00:23 "Second Contact" - totality!

00:26 "Third contact"! Put back on your filters!

00:30 The last hour the moon gracefully exits, uncovering the Sun.

00:40 As the last bit of the moon leaves the Sun,

00:44 it is "Fourth contact"

00:46 and the end of the eclipse.

**KEYWORDS** eclipse, solar, Earth, Sun, Moon, orbit