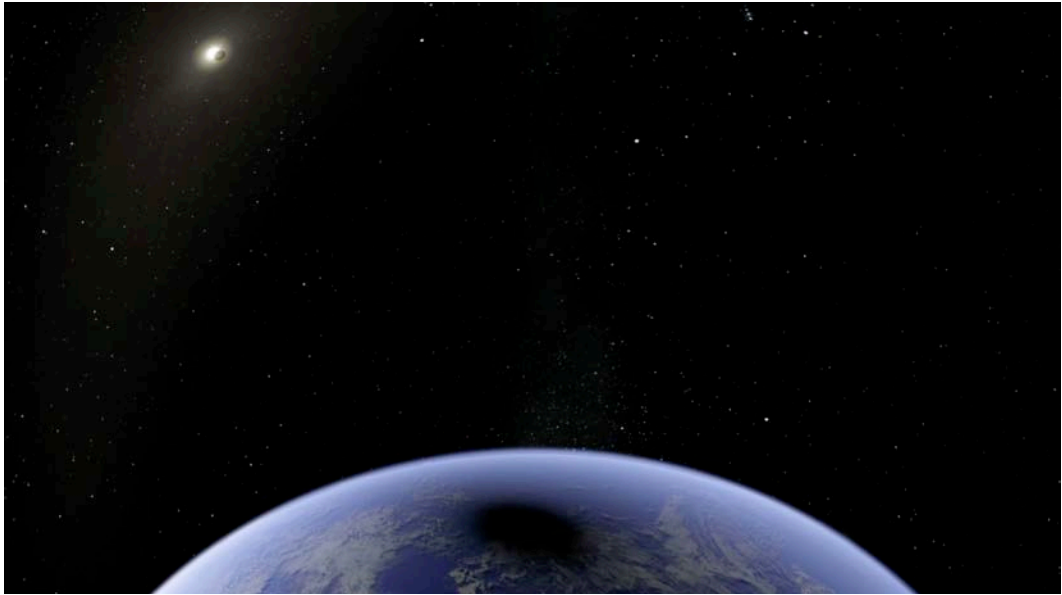



NAME	Solar Eclipse From Orbit
EXAMPLE	
DESCRIPTION	View of the shadow of the Moon crossing the Earth's surface as might be seen from a spacecraft in Earth orbit
URL	https://space.rice.edu/eclipse/eclipse_animations.html
DOWNLOAD	https://forms.gle/sS8q31qFSDRnhnbX7 (DOWNLOAD REQUEST FORM)
TYPE	00:30 animation
FORMAT	MP4, flatscreen for classrooms, or fisheye and pre-warped formats for planetariums
LEVEL	multiple 6-12
TOPIC	solar eclipse
NOTES	<p>Animation by Don Davis using NASA HEAT support under Reiff direction. Free under Creative commons / attribution / no commercial use license Contact reiff@rice.edu for additional permissions. Closed captioned.</p> 
ADDITIONAL RESOURCES	<p>VIDEO SCRIPT</p> <p>00:00 This shows how the Moon's shadow might appear</p> <p>00:04 from a spacecraft in Earth orbit.</p> <p>00:07 This sequence is based on actual previous space-based photography.</p> <p>00:12 The moon's shadow isn't just a sharp dark spot</p> <p>00:16 but has shading as the penumbra darkens to umbra at the center.</p> <p>00:22 Since the spacecraft is in the penumbra,</p> <p>00:26 the sun is only partially covered by the Moon.</p>
KEYWORDS	eclipse, solar, Earth, Sun, Moon, orbit