



NAME	Lunar Eclipse From Earth
EXAMPLE	
DESCRIPTION	Shows the Earth's shadow crossing the full moon. Both partial and full phases of the lunar eclipse are seen
URL	https://space.rice.edu/eclipse/eclipse_animations.html
DOWNLOAD	https://forms.gle/sS8q31qFSDRnhnbX7 (DOWNLOAD REQUEST FORM)
TYPE	00:40 animation
FORMAT	MP4, flatscreen for classrooms, or fisheye and pre-warped formats for planetariums
LEVEL	multiple 6-12
TOPIC	lunar eclipse
NOTES	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.
	
ADDITIONAL RESOURCES	<p>VIDEO SCRIPT</p> <p>00:00 A lunar eclipse as seen from Earth is leisurely, 00:03 taking three hours or more. 00:05 When the moon enters the umbra, 00:07 a dark biteout appears and grows... the partial phase. 00:12 When the moon is entirely inside the umbra, 00:14 totality begins and can last for an hour or more. 00:19 The moon appears red because the only light reaching it 00:22 is refracted through Earth's atmosphere. 00:26 One side may be brighter than the other because it is closer to the edge of the umbra. 00:31 When part of the moon emerges from the umbra, totality is over. 00:35 When all of the moon emerges, it's the end of the eclipse.</p>
KEYWORDS	eclipse, lunar, Earth, Sun, Moon, orbit